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**COMMISSION STAFF WORKING DOCUMENT**

**IMPACT ASSESSMENT**

*Accompanying document to the*

Proposal for a

**DIRECTIVE .../.../EU OF THE EUROPEAN PARLIAMENT AND OF THE  
COUNCIL**

**on Deposit Guarantee Schemes [recast]**

*and to the*

**REPORT FROM THE COMMISSION  
TO THE EUROPEAN PARLIAMENT AND TO THE COUNCIL**

**Review of Directive 94/19/EC on Deposit Guarantee Schemes**

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This document commits only the Commission services involved in its preparation and does not prejudge the final form of any decision to be taken by the Commission

## 1. INTRODUCTION

No bank, whether sound or ailing, holds enough liquid funds to redeem all or a significant share of its deposits on the spot. This is why banks are susceptible to the risk of bank runs if depositors believe that their deposits are not safe and try to withdraw them all at the same time. This can seriously affect the whole economy.

Since 1994, Directive 94/19/EC on Deposit Guarantee Schemes<sup>1</sup> (DGS) has ensured that all EU Member States have in place a safety net for depositors if banks fail to pay. First and foremost, bank failures are prevented by the prudential supervision ensured by national supervisory authorities and harmonised throughout the EU to a relatively high extent. If nevertheless a bank has to be closed, its DGS steps in and reimburses depositors up to a certain ceiling (i.e. the coverage level), thereby financing depositors' needs. The existence of DGS also means that most depositors (those who are fully covered) do not have to participate in lengthy insolvency procedures which usually lead to insolvency dividends representing only a fraction of the original claims.

The events in 2007 and 2008 have shown that the existing fragmented system of DGS has not delivered on the objectives set by the Directive in terms of ensuring depositor confidence and maintaining financial stability in times of economic stress. The Commission has therefore been requested to comprehensively review Directive 94/19/EC. This impact assessment aims at providing for an evidence-based analysis of the existing and potential problems stemming from the current guarantee system, spells out possible policy options designed to address the problems in line with the objectives set, shows the possible impacts of the policy options and tests these options against the effectiveness, efficiency and consistency criteria.

The Commission work on DGS is part of a package on guarantee schemes in the financial sector consisting of DGS, insurance guarantee schemes (IGS) and investor compensation schemes (ICS). The main objective of IGS is the protection of policyholders in the event of an insurance company failure. The main purpose of ICS is to compensate investors if a firm fails and is unable to repay money in connection with investment services or if it is unable to return a financial instrument to its client. Such a claim typically arises if there is fraud or theft. However, a decline in the value of an investment (market risk) is not covered by any scheme. More details about the commonalities and differences between these schemes are set out in Annex C.

The revision of the Directive on Deposit Guarantee Schemes will be only one among numerous ongoing initiatives to enhance financial stability (e.g. the revisions of the Capital requirements Directive 2006/48/EC and ongoing work on crisis management and bank resolution).

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<sup>1</sup> OJ L 135, 31.5.1994.

## 2. PROCEDURAL ISSUES AND CONSULTATION OF INTERESTED PARTIES

This impact assessment accompanies both the legislative proposal and the report fulfilling the Commission's obligations under Article 12 of Directive 2009/14/EC that entered into force on 16 March 2009<sup>2</sup>. The Directorate-General Internal Market and Services (DG MARKT) has been in the lead (items 74 and 76 on its work programme). Sections 4.1.1, 4.4.2, 4.5, 4.6, 7.9, 7.10 and 7.12 relate to the report and all other chapters concern the legislative proposal.

The Inter-Service Steering Group included the following Directorates-General: Secretariat General, Legal Service, Economic and Financial Affairs, Employment and Social Affairs, Health and Consumers, Competition, Enterprise and Industry, Taxation and Customs Union, and the Joint Research Centre (JRC). The group met in February, April, May, July, September, November 2009 and January 2010. The minutes of the last meeting have been transmitted to the IA Board. The European Central Bank was also consulted in the course of preparation of the IA report. The JRC gathered numerical and statistical information for the IA report<sup>3</sup>. All figures are quoted from a draft JRC report unless indicated otherwise<sup>4</sup>.

External expertise was used to prepare this proposal. In March 2009, an informal roundtable with experts was held<sup>5</sup>. Member States' expertise was provided at the three meetings of the Working Group on Deposit Guarantee Schemes (DGSWG) – in June and November 2009 and February 2010. In the context of the Commission Communication of 2006 on the review of the DGS Directive, the JRC was asked to submit reports on the coverage level (2005), the possible harmonisation of funding mechanisms (2006 and 2007), the efficiency of deposit guarantee schemes (2008) and the possible models for introducing risk-based contributions in the EU (2008 and 2009)<sup>6</sup>. This work was supported by the European Forum of Deposit Insurers (EFDI), which in 2008 also finalised several reports on specific issues<sup>7</sup>. This work has been taken into account for the current proposal.

A public consultation was held from 29 May to 27 July 2009. All 104 contributions and a summary report have been published in August 2009<sup>8</sup> and stakeholders' views have been taken into account in this impact assessment.

This impact assessment was presented to the Impact Assessment Board on 24 March 2010. In its opinion issued after the meeting, the Board assessed that *"the report [i.e. this impact assessment] presents a large amount of analysis in a clear manner"* and *"quantitative estimates are provided for most impacts"*. Moreover, as stated by the Board, *"the report largely respects the standards set out in the IA guidelines and presents complex issues in understandable language"*. At the same time, the Board made some recommendations for improvement. They were related to (i) strengthening the evidence and the arguments underpinning the problems with the current level of harmonisation; (ii) providing a stronger justification for the preferred options; (iii) assessing the size of the most relevant impacts and the possibility of mitigating measures for individual stakeholders; and (iv) integrating more

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<sup>2</sup> OJ L 68, 13.3.2009.

<sup>3</sup> In principle, the JRC calculations are based on the data from all Member States (if the data from some Member States are unavailable, the calculations are based on the remaining Member States).

<sup>4</sup> The final JRC report will be published in spring 2010.

<sup>5</sup> For more details, see [http://ec.europa.eu/internal\\_market/bank/guarantee/index\\_en.htm](http://ec.europa.eu/internal_market/bank/guarantee/index_en.htm).

<sup>6</sup> Ibid.

<sup>7</sup> The relevant reports issued by EFDI in May 2008 are all available at [www.efdi.eu](http://www.efdi.eu).

<sup>8</sup> See [http://ec.europa.eu/internal\\_market/consultations/2009/deposit\\_guarantee\\_schemes\\_en.htm](http://ec.europa.eu/internal_market/consultations/2009/deposit_guarantee_schemes_en.htm).

transparently the results of the public consultation. These recommendations were taken into account in the following way:

The evidence base has been further strengthened given the scale of the suggested policy changes and the cost implications (see in particular 7.8). Several quantitative annexes have been added. A more extensive analysis of the problems with the current level of harmonisation has been provided (see in particular 4.1). The subsidiarity and proportionality of the suggested increase in harmonisation and the phasing-out of national DGS features offering higher coverage has been assessed in greater depth (see 5.). The report has also provided a stronger justification for specific parameters, notably the nominal coverage level (see 7.1), the preference for a single payout within a short delay (see 7.5), the split between ex-ante and ex-post financing and the target level for funds at DGS disposal (see 7.8). The report has indicated clearly (where appropriate) where these will be particularly relevant for certain Member States or stakeholders. Finally, the results of the public consultation have been visibly and transparently integrated into the analysis (see in particular Chapter 7). Some annexes were added in order to accommodate the comments of the Board.

### **3. POLICY CONTEXT AND SCOPE OF THE IMPACT ASSESSMENT**

#### **3.1. Policy context**

The Council of the European Union agreed on 7 October 2008 that it was a priority to restore confidence and proper functioning of the financial sector. It committed to take all necessary measures to protect the deposits of individual savers and welcomed the intention of the Commission to bring forward urgently an appropriate proposal to promote convergence of DGS. The Council also agreed that all Member States would, for an initial period of at least one year, provide deposit guarantee protection for individuals for an amount of at least €50 000, acknowledging that many Member States determined to raise their minimum to at least €100 000.

Following that, on 15 October 2008, the Commission adopted a proposal to amend the DGS Directive. It underwent some changes during the legislative proceedings and the final text was published on 13 March 2009 (see Annex A).

There was general agreement between the Council, the European Parliament and the Commission that those amendments could only be an emergency quick-fix measure when the crisis aggravated in order to restore and maintain the confidence of depositors. The need for swift negotiations (adoption by the European Parliament within two months) would not have allowed a satisfactory response to all open issues. This is why the amendments include a broad review clause on all aspects of DGS.

The need to reinforce DGS by appropriate legislative proposals has been reiterated in the Commission Communication of 4 March 2009 on 'Driving European recovery'<sup>9</sup> and is part of the political guidelines of President Barroso of 3 September 2009.

In its Communication of 20 October 2009<sup>10</sup>, the Commission consulted on the tools that are considered necessary for an EU crisis management framework. These tools range from 'early

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<sup>9</sup> COM(2009)114, p. 4.

<sup>10</sup> COM(2009)561.



intervention' actions by banking supervisors aimed at correcting irregularities at banks, to bank resolution measures which involve the reorganisation of ailing banks, to insolvency frameworks under which failed banks are wound up. The current review of DGS should be seen in this context as well since DGS are only triggered if a bank cannot be saved by other measures. The better the crisis management tools are, the lower the probability that DGS are triggered. Moreover, a discussion of crisis management also raises the question to which extent DGS should be actively involved in it provided that they are soundly financed, which will be dealt with in section 7.10 of this report and in forthcoming initiatives on crisis management.

### 3.2. Scope of the impact assessment

This impact assessment is a basis for both the report to the European Parliament and the Council and for the legislative proposal to amend Directive 94/19/EC. It covers the following issues which are determined by the review clause of Article 12(1) of the Directive:

*“(a) the harmonisation of the funding mechanisms of deposit-guarantee schemes addressing, in particular, the effects of an absence of harmonisation in the event of a cross-border crisis, in regard to the availability of the compensation payouts of the deposit and in regard to fair competition, and the benefits and costs of such harmonisation;*

*(b) the appropriateness and modalities of providing for full coverage for certain temporarily increased account balances;*

*(c) possible models for introducing risk-based contributions;*

*(d) the benefits and costs of a possible introduction of a Community deposit-guarantee scheme;*

*(e) the impact of diverging legislations as regards set-off, where a depositor's credit is balanced against its debts, on the efficiency of the system and on possible distortions, taking into account cross-border winding-up;*

*(f) the harmonisation of the scope of products and depositors covered, including the specific needs of small and medium enterprises and local authorities;*

*(g) the link between deposit-guarantee schemes and alternative means for reimbursing depositors, such as emergency payout mechanisms.*

*If necessary, the Commission shall put forward appropriate proposals to amend this Directive.”*

Furthermore, Article 10(1) of Directive 2009/14/EC sets out that:

*“by 16 March 2011, the Commission shall submit to the European Parliament and to the Council a report on the effectiveness and delays of the payout procedures assessing whether reduction to 10 working days of the delay referred to in the first subparagraph could be implemented.”*

Article 7 of Directive 2009/14/EC required Member States to increase the coverage level to at least €50 000 by the end of June 2009 and obliged them to implement the coverage level of €100 000 by the end of 2010. This level will be fixed, i.e. in general DGS will not be permitted to offer higher or lower coverage.

The Commission has been tasked to assess retroactively whether this increase is appropriate and whether it is viable for Member States. In this context, it has to be borne in mind that DGS are financed by banks and the Commission intends to maintain this requirement. That means that the budget of Member States is not directly concerned by the DGS Directive. The recent crisis has shown that in a systemic crisis, DGS may reach their limits. However, even if in such cases governments stepped in under strict obedience of state aid rules, this would not

be triggered under a legal obligation in the DGS Directive and 'viability for Member States' is therefore not subject of this impact assessment<sup>11</sup>.

#### 4. PROBLEM DEFINITION

Currently, there are 39 DGS in 27 Member States. They are very different as regards the number of member banks (ranging between 6 and 1209 in 2008), their human and financial resources (between 0 and 168 persons of permanent staff – see Annex 27), their administrative setup (16 schemes are private, 13 schemes are public, 10 schemes are characterised by both public and private elements) and the available ex-ante financial resources (between €0 and €6.5 billion in 2007 – see, for example, Annex 13). In some Member States, notably in DE and AT, there are also mutual and voluntary guarantee schemes, which reinforce or replace statutory DGS subject to the Directive.

The problems inherent to this fragmentation of DGS are spelled out below and summarised in a 'problem tree' at the end of this chapter.

##### 4.1. Differences in the level and scope of coverage of DGS

###### 4.1.1. Diverging and inappropriate level of coverage

The approach of minimum harmonisation, introduced by the Directive 94/19/EC, has resulted in significant differences between the coverage levels in the EU. They currently range from the minimum of €50 000 in nine Member States to €103 291 in IT<sup>12</sup> (see Annex 1 for more details). The coverage ratios, i.e. the ratios between available DGS funds and eligible deposits, are also very different throughout the EU (see Annex 16). When the financial crisis aggravated in autumn 2008, most Member States either raised their coverage levels to €50 000 or €100 000 or issued unlimited guarantees, sometimes covering not only deposits but all liabilities of banks. First, on 20 September 2008, the Irish government announced its commitment to provide increased coverage of €100 000 for Irish banks but for a few days excluding subsidiaries of foreign banks. Moreover, the government law of 30 September 2008 gave temporary unlimited state guarantees for major Irish banks. As a result, depositors quickly shifted money to banks covered by higher or unlimited guarantees, notably from UK to IE<sup>13</sup>. This created heavy liquidity strains to the banks not covered by such guarantees. In this situation, in early October 2008, the UK authorities were forced to raise the coverage level from £35 000 to £50 000. In order to avoid competitive disadvantages and prevent the outflow of deposits, other Member States were also forced to increase radically their coverage (for example, in early October 2008, AT adopted law on temporary unlimited coverage for individuals, and the governments in GR and DE also declared unlimited deposit guarantees but they were not followed by any legislative action). Those actions were undertaken unilaterally in an uncoordinated way, and – as they were followed by other Member States – contributed to serious competitive distortion between Member States, undermining depositor confidence and threatening the overall stability of the EU financial markets. In order to

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<sup>11</sup> However, since the fiscal support measures for banks in the financial crisis, in particular the recapitalisation measures (expressed as a percentage of eligible deposits) were by far more expensive than the measures proposed here, it can be concluded that the increase in coverage level introduced by Directive 2009/14/EC would be viable even if governments were forced to repay depositors.

<sup>12</sup> In Norway (EEA country), the coverage level is equivalent to over €240 000.

<sup>13</sup> <http://www.breakingnews.ie/ireland/savers-shifting-cash-to-irish-banks-379909.html>;  
<http://www.guardian.co.uk/politics/2008/oct/02/alistairdarling.ireland>.

maintain depositor confidence and prevent runs on banks, the ECOFIN Council had to intervene urgently<sup>14</sup>.

Therefore, the above experience confirms two aspects:

- the approach of minimum harmonisation as to coverage levels lead to unwanted side-effects and seriously jeopardised financial stability, and, on the other hand
- the level of coverage as stipulated by Directive 94/19 (minimum €20 000) was too low .

This current level of coverage is insufficient since even before the crisis (in 2007), the average household deposits amounted to more than €50 000 in at least five Member States and were only slightly below this amount in two other Member States (see Annex 7).<sup>15</sup> The events have also shown that there is a lack of cooperation between Member States, which is aggravated by the fragmentation of DGS (several DGS in many Member States) that makes cooperation even more difficult.

Moreover, under a coverage level of €50 000<sup>16</sup>, only 91% of the number of eligible deposits would be covered<sup>17</sup>. This means that at least 9% of depositors are likely to run on a bank. Given that many depositors perceive themselves wealthier than they are, at a coverage level of €50 000, there might even be more than 9% running on their bank. Papers of the Basel Committee for Banking Supervision define deposits as 'unstable' if there is a run-off-factor of 7.5% of depositors<sup>18</sup>. A coverage level at €50 000 would therefore be dangerously low.

As to the minimum harmonisation, the threat to consumer's confidence and financial stability will exist as long as there are different coverage levels in Member States. In this context, it should be noted that sizeable deposit movements, based solely on one factor (the coverage level), may involve significant costs for depositors (as, for example, they may lose some interest rate earnings due to switching from one bank to another), banking industry (as such sudden and significant outflow of deposits may create heavy liquidity strains to the banks experiencing it), as well as real economy (as banks may limit their lending activity in times of financial instability, and eventually government intervention and the use of public funds may be necessary).

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<sup>14</sup> The ECOFIN Council agreed on 7 October 2008 that all Member States would, for an initial period of at least one year, provide deposit protection for individuals for at least €50 000, acknowledging that many Member States had already determined to raise their minimum to at least €100 000. The ECOFIN Council also welcomed the intention of the Commission to bring forward urgently an appropriate proposal to promote convergence of DGS.

<sup>15</sup> In particular, the coverage level of €50 000 is inappropriate for the old Member States (EU-15). The average size of household deposits in the EU-15 was about €41 400 as of end-2007. Assuming similar deposit growth rates as in the previous years (about 5% per year), one could expect an average deposit in those Member States of roughly €53 000 or €58 000 within the next 3-5 years respectively.

<sup>16</sup> Directive 2009/14/EC required Member States to increase the coverage level to at least €50 000 by end of June 2009 and obliges them to implement coverage level of €100 000 by the end of 2010

<sup>17</sup> It would not be useful to refer to total deposits since they contain a large part of ineligible deposits (i.e. by financial institutions) and their comparison with covered deposits would consequently not lead to relevant results.

<sup>18</sup> Basel Committee on Banking Supervision, International framework for liquidity risk measurement, standards and monitoring, December 2009/April 2010.

As indicated in recent international research<sup>19</sup>, differences in deposit insurance guarantees across countries (as well as within a given country, i.e. co-existing different levels of deposit insurance for host-country banks and branches of foreign banks) may have implications for competition among banks operating in these markets as well as give rise to consumer protection issues. It is also argued that deposit insurance coverage – like any guarantee – gives rise to moral hazard and it is most relevant in the case of either implicit or explicit provision of unlimited coverage (such as those announced by some governments in autumn 2008). Finally, speaking of moral hazard and unlimited coverage, it is argued that once a government granted (limited or unlimited) guarantees, there may be a general perception that a government guarantee will always be made available during a crisis situation.

Moreover, in times of stability, some depositors might base their choice of product or service not on its price and quality but on the merits of the DGS that covers it, potentially distorting competition and limiting the benefits of the Internal Market since banks cannot choose their DGS. On the contrary, it could be argued that depositors might, in order to avoid having deposits above the coverage level, split up deposits and open accounts at several banks, which could actually enhance competition. However, it should be considered that such behaviour would seem to highly depend on the product (with savings accounts seeming easier to split than current accounts), on banks' policies, in particular 'product tying', i.e. offering better conditions if savings and current accounts are held at the same bank, and on the bank fees that could multiply. In UK, splitting up deposits was considered 'accidental'<sup>20</sup> and in the public consultation, on request only anecdotal evidence was provided that sometimes such splitting had been observed.

The current Directive intends to mitigate such distortions by topping up arrangements. For a better understanding of their function, it is essential to know that the sole responsibility to reimburse depositors lies with the DGS of the country where the bank has its registered seat, regardless whether the bank is a stand-alone company or a subsidiary controlled by another company. This responsibility extends to all legally dependent parts of a bank, i.e. its branches, even if they are located in another Member State.

However, in case of branches, if the coverage in the host country is higher or more comprehensive than in the home country, the current regime provides the option for the bank to join the host country DGS for the difference in coverage. This is called 'topping up arrangement' and means that two DGS (from home and host country) are involved when depositors of such a branch are to be paid out. Topping up arrangements are very complex because the current Directive has only harmonised DGS on a minimum level and frictions occur if DGS operating under different national rules must cooperate. Topping up can also lead to delays in payout since two DGS, which have to coordinate their actions, are involved in the process. Such arrangements cause confusion for depositors who do not understand why they have to deal with two DGS for one account as is evident from complaints in the context of the failure of Icelandic banks.

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<sup>19</sup> See S. Schich, Challenges associated with the expansion of deposit insurance coverage during fall 2008, May 2009 (<http://www.economics-ejournal.org/economics/journalarticles/2009-20>).

<sup>20</sup> FSA, Consumer awareness of the Financial Services Compensation Scheme, Research Paper no. 75, January 2009, p. 9 (<http://www.fsa.gov.uk/pubs/consumer-research/crpr75.pdf>).

#### *4.1.2. Non-harmonised exemptions from a fixed coverage level*

From end-2010, Member States will be required to fix coverage at a certain level for the DGS being subject to the Directive. Currently, exceptions from this fixed level are only granted to Member States where they had been in force on 1 January 2008 ('grandfathering'). Such exceptions, if limited to a few Member States, could lead to an unlevel playing field as described below in the context of diverging scope and eligibility criteria throughout the EU.

In particular, in DK, pension deposits are covered far beyond the coverage level, and in FI, temporary high account balances resulting from real estate transactions are also covered at a higher level. UK is considering the introduction of such protection extended to pension payments and compensations for damages or injuries (if paid as lump sums) and other life events, such as inheritance, divorce, etc. On the one hand, such exemptions could improve depositor confidence by better protecting their wealth in exceptional circumstances. On the other hand, the more numerous and complicated the exemptions, the more resources of the DGS (staff, time and money) are bound during the payout process.

#### *4.1.3. Eligibility of depositors – discretionary exclusions*

Annex I of Directive 94/19/EC allows Member States to exclude protection for many different types of depositors. Currently, Member States exclude most deposits and depositors enumerated in Annex I of the Directive (see Annex B to this report).

In general, the fact that the exclusions are discretionary entails some problems. First, it is questionable whether the protection is appropriate, i.e. if the depositors and deposits subject to the discretionary exclusions should be protected or not. While the inclusion of certain depositors or products could improve depositor confidence by better protecting their wealth, their exclusion would save money to DGS and banks financing them. Second, the wide range of discretion may lead to the same problems as widely diverging coverage levels: market distortions if depositors choose the most comprehensive DGS, not the best product. (see Section 4.3). Only well-informed depositors would act in this way. However, the fact that some depositors were alerted by the media in the financial crisis as far as failures of particular banks were considered likely does not mean that the majority of depositors were profoundly informed about their function. Consequently, it is also relevant that depositors may not always be informed whether they are eligible or not. Finally, differences in depositor and product eligibility stemming from the lack of harmonisation affect the ability of DGS to make fast payouts since such differences (notably if numerous) complicate the process of claims verification.

The discretionary exclusions and specific problems resulting from them can be categorised as follows:

- Enterprises in the financial sector, i.e. financial institutions, insurance, investment funds, pension funds (Annex I no. 1, 2, 5 and 6 of the Directive). Banks are ineligible under Article 2 of the Directive.
- Authorities at central and local level (Annex I no. 3 and 4). Authorities can be expected to act responsibly and not to run on banks. They are also quite limited in numbers in

comparison with depositors<sup>21</sup> and are subject to DGS coverage only in 7 Member States (CZ, DE (partially), DK, FI, GR, LT, PL and SE).

- Depositors having a relationship with the failed bank, like managers, directors, important shareholders (>5%), auditors (and their close relatives), companies in the same group, depositors that obtained special conditions aggravating the financial situation of the bank (Annex I no. 7, 8, 9 and 11). Most of these depositors are difficult to identify and it leads to unnecessary payout delays to verify their eligibility. Moreover, such exclusions generally punish depositors who might not at all be responsible for the bank failure. In case of such exclusions, individual responsibility would be insinuated by law or determined by the DGS and not by the competent authorities and courts..
- Depositors who opened their account anonymously (Annex I no. 10). Anonymous accounts are now forbidden under Article 6(1) of Directive 2005/60/EC on the prevention of the use of the financial system for the purpose of money laundering and terrorist financing<sup>22</sup>.
- Small and medium enterprises (SME). Currently, only deposits of *companies* that are permitted to draw up abridged balance sheets<sup>23</sup> must be covered (Annex I no. 14). This definition deviates from the Commission Recommendation on micro, small and medium enterprises<sup>24</sup> (Annex 10a to this impact assessment contains a comparison of the different categories of SME).

The Commission has been explicitly tasked to examine whether the coverage of SME is appropriate. Since, according to Eurostat, there are 20 million SME representing the majority of enterprises in the EU (99.8%), their confidence is crucial as to the risk of bank runs. Among micro, small and medium enterprises, the largest group is the first one, but they are comparable in terms of the amount of their eligible deposits (see Annex 10c-d).

The existence of smaller enterprises may be jeopardised if they have no access to their deposits after a bank failure, which may lead to negative consequences for the economy as a whole and strain public welfare. Moreover, determining during the payout procedure whether a company is an SME, i.e. if it is *permitted* to draw up abridged balance sheets (this comprises even companies whose balance sheet is not abridged), is time consuming, resource binding and therefore delaying payout for *all* depositors.

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<sup>21</sup> Throughout the EU, there are 121 000 local authorities and more than 450 million depositors.

<sup>22</sup> OJ L 309, 25.11.2005.

<sup>23</sup> More precisely, companies which – as of their balance sheet dates – exceed the limits of at least two of the three following criteria: a balance sheet total of €4.4 million, a net turnover: €8.8 million or an average number of 50 employees during the financial year. Only *companies* can be excluded, i.e. not self-employed natural persons or partnerships (unless they are special partnerships where shares are issued; for details see Article 1(1) of Directive 78/660/EEC).

<sup>24</sup> Article 8(1) of the Annex to the Commission Recommendation 2003/361/EC of 6 May 2003, OJ L 124, p.36: "Any Community legislation or any Community programme to be amended or adopted and in which the term 'SME', 'microenterprise', 'small enterprise' or 'medium-sized enterprise', or any other similar term occurs, should refer to the definition contained in this Recommendation." In contrast to the current regime that allows the exclusion of certain *companies*, an SME can have any legal form.

#### 4.1.4. Scope of covered products

Currently, coverage of at least €50 000 per depositor and per bank<sup>25</sup> is required by the Directive. Several deposits at the same bank are aggregated. There are considerable differences in the scope of deposits covered by DGS across the Member States (see Annex B). The mere existence of these differences raises level-playing field issues since depositors may choose the product according to the deposit protection offered, which a bank cannot choose and banks which cannot 'offer' such protection may suffer from competitive disadvantages.

##### Structured products

The current definition of 'deposit' in Article 1(1) of the Directive<sup>26</sup> leaves some room for interpretation as regards the coverage of so-called 'structured products'<sup>27</sup>. A structured product is a combination of a deposit and an investment product, where the return is dependent on the performance of some underlying financial instrument such as market indices, equities, interest rates, commodities, foreign exchange, etc. These products incur market risk (i.e. the risk of a changing market price of the underlying) which is not covered by any protection scheme if the underlying is acquired directly. If only the interest is subject to a certain underlying, the principal of the deposit should be repaid in the worse case scenario at par; otherwise, the depositor could be repaid less than 100% of his deposit. Even though the current definition in Article 1(1) is not very concise and there is no other definition of deposits in Community law on financial services, it seems to be clear from the general meaning of the word deposit (i.e. to place for safekeeping or in trust) that deposited items usually have to be returned in full. Moreover, deposits have an inherent 'guarantee' as it is their key feature that they are 100% repayable so that there is no need for a guarantee apart from a deposit guarantee<sup>28</sup>.

If products (i) which incur market risk, (ii) are subject to a particular guarantee, or (iii) whose principal is not repaid at par, were to be covered by DGS, it could lead to additional losses for DGS if they had to cover particular risks incurred by such products. As explained above, ICS would not cover market risk either (for more information on ICS, see Annex C).

##### Debt certificates issued by a credit institution

The coverage of debt certificates issued by a credit institution (Annex I of the Directive, no. 12) is subject to the discretion of Member States. In case of debt securities issued by a bank, their market price (if any) depends mainly on the insolvency risk of the issuer (i.e. the bank) and a change of interest rates.

In contrast to this, in case of debt securities issued by non-banks these risks are covered neither by DGS nor by ICS. Consequently, banks as issuers of debt securities are privileged

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<sup>25</sup> Exceptions apply, see Article 8 of Directive 94/19/EC.

<sup>26</sup> *"Deposit' shall mean any credit balance which results from funds left in an account or from temporary situations deriving from normal banking transactions and which a credit institution must repay under the legal and contractual conditions applicable, and any debt evidenced by a certificate issued by a credit institution."*

<sup>27</sup> See also the Communication on Packaged Retail Investment Products (PRIIPS), COM(2009)402 (p.4) for a distinction between structured securities and structured deposits

<sup>28</sup> It should be noted that guaranteed repayments are also subject to a different prudential treatment than deposits. Repayment guarantees concerning a product incurring a loss when repayment is due, have to be treated as off-balance sheet items under Article 78 of Directive 2006/48/EC and its Annex II. Provision thus has to be taken *in addition* to the general prudential requirements that indirectly also aim at protecting deposits.

over other issuers. This argument was also raised during the public consultation by investment funds associations who feared competitive distortions since deposits of investment funds are not covered by DGS either.

Moreover, holders of debt securities can in general not exercise their claims against the bank before maturity, so unlike with regard to holders of savings or current accounts, there is a limited risk for bank runs.

More specifically, the current setup regarding debt securities is inconsistent in itself. While 'debt evidenced by a certificate' is covered by DGS, 'debt securities and liabilities arising out of own acceptances and promissory notes' can be excluded from coverage. However, despite the different terms both categories seem identical since a debt security is typically a debt evidenced by a certificate. Own acceptances and promissory notes are also debt evidenced by a certificate.

This is also confusing for depositors. In all but three Member States (HU, LV and SE)<sup>29</sup> 'debt securities and liabilities arising out of own acceptances and promissory notes' are excluded (see Annex B).

#### Deposits in currencies of non-EU countries

The coverage of deposits in currencies of non-EU countries (Annex I no. 13) is subject to the discretion of Member States. In 6 Member States, such accounts are currently excluded (AT, BE, CY, DE, LT and MT). However, exclusion of such deposits may lead to an inappropriate coverage, in particular for SME which might need such accounts for dealing with non-EU countries. Moreover, in a globalised world, such accounts may be necessary where some members of families live abroad. Their exclusion could thus be regarded unfair for them.

#### Overlap between DGS and investor compensation schemes (ICS)

In contrast to the DGS Directive, Directive 97/9/EC on ICS shall cover losses of investors in securities, such as equities and bonds, but also money linked to transactions in those investments in specific cases (see Chapter 1 and Annex C).

However, securities (i.e. debt evidenced by a certificate issued by a credit institution) and money linked to transactions in investments (such as the proceeds arising from a sale of an investment product or money paid for buying an investment product so long as the transaction has not been executed yet) can fall within the scope of both the DGS and ICS Directives. In such cases Member States have discretion to choose one scheme they consider appropriate so as to prevent a reimbursement taking place twice<sup>30</sup>.

However, ICS and DGS provide different kinds of safeguards for consumers. The recent changes of DGS by Directive 2009/14/EC (notably the increase of the coverage level to €100 000) have not been taken over by the ICS Directive. In particular, compared with DGS there are no strict time limits for triggering the ICS. Whereas from end-2010 onwards the DGS has to be triggered at the latest one week after the inability to repay deposits, there is no comparable deadline for ICS but changes are underway.

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<sup>29</sup> In DE, such products are included by mutual guarantee schemes. However, these schemes are not subject to Directive 94/19/EC.

<sup>30</sup> Directive 97/9/EC on investor compensation schemes, Article 2(3).



An unlimited discretion for Member States to choose the scheme if the products concerned fall both within the scope of ICS and DGS could therefore circumvent the improvements achieved for depositors. This could in extremis mean that it is in the discretion of Member States to pay depositors much less after a longer period of time.

## 4.2. Inadequate payout procedures

### 4.2.1. Inappropriate payout delay

Under the current regime, depositors must be paid out within 3 months after the bank has declared to be unable to repay deposits. From the end of 2010, this delay has to be reduced to 20 working days with a possible extension of further 10 working days (i.e. 4 to 6 weeks). Currently, competent authorities must determine the 'inability to repay deposits' (i.e. the triggering date) within 21 days and from end-2010 onwards within 5 working days (i.e. one week)<sup>31</sup>. These delays must be taken into account for calculating the actual payout delay. The maximum delay from 2010 onwards will thus be 7 weeks. However, there are better practices. Even if the US scheme (which pays depositors out within two working days<sup>32</sup>) is not a fully relevant example for EU DGS at the moment<sup>33</sup>, it should be noted that the UK authorities envisaged shortening the payout delay to one week<sup>34</sup>.

The payout delay of 4-6 weeks is simply too long since depositors need constant access to their funds in order to buy food, pay bills, etc. If depositors have the choice to withdraw their deposits before the DGS is triggered or to wait several weeks after the DGS steps in, they will run on their banks since most of them would not have the funds for their usual expenses available for more than a few days<sup>35</sup>. Thus, the possibility of long delays would prompt a run on a bank even if deposits were 100% covered. Furthermore, bank customers with a current account need access to basic banking services.

Long payout delays are also caused by late access to information about deposits and the lack of human and technical resources of DGS<sup>36</sup>. Three quarters of all DGS have to rely on external workforce (see Annex 27), half of DGS have no regular access to deposit information and only one third has any contingency planning in place<sup>37</sup>.

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<sup>31</sup> According to the collected data, 93% of deposits were repaid within 3 months, and around 97% within 9 months; concerning the number of reimbursed depositors, the average ranged from 72%, within 3 months, to 82%, within 9 months.

<sup>32</sup> "It is the FDIC's goal to make deposit insurance payments within two business days of the failure of the insured institution" (see <http://www.fdic.gov/consumers/banking/facts/payment.html>).

<sup>33</sup> The US FDIC has a much broader mandate than EU DGS (it acts as supervisor, paybox and receiver). Moreover, it makes payouts after a 90-day pre-closing period.

<sup>34</sup> Bank of England, HM Treasury, FSA, Financial stability and depositor protection: further consultation, July 2008, p. 74 ([http://www.fsa.gov.uk/pubs/cp/jointcp\\_stability.pdf](http://www.fsa.gov.uk/pubs/cp/jointcp_stability.pdf)); see also Ernst & Young, Fast payout study – final report, November 2008 (report commissioned by the FSA, BBA and FSCS, available at [http://www.fsa.gov.uk/pubs/other/fast\\_payout\\_report.pdf](http://www.fsa.gov.uk/pubs/other/fast_payout_report.pdf)).

<sup>35</sup> FSA, Consumer awareness of the Financial Services Compensation Scheme, op.cit., p. 11: "With regard to how long they felt they could cope if they were cut off from their current or deposit accounts (i.e. if their bank failed), respondents' answers varied with their circumstances: those with only a current account, limited savings and few or no cards to fall back on felt they could only manage for up to a couple of weeks, which they would do by borrowing, primarily from family members. Some felt they could not manage for more than a few days or a week."

<sup>36</sup> EFDI, Report on improvement of payment delays to depositors and promotion of best practices, May 2008, pp. 35, 37, 42 and 43.

<sup>37</sup> Ibid, p. 38.

At any rate, the forthcoming deadline being calculated in working days (according to the proposal as finally adopted – see Annex A) entails additional problems. Since there are different national holidays, this is not only opaque for depositors but can also lead to different payout delays in cross-border cases.

#### 4.2.2. *Inadequate payout modalities*

In their correspondence to the Commission, depositors raised concerns about the payout modalities. Many depositors were concerned that in some recent bank failures there was no information provided by DGS in depositors' language about the state of play and on how to submit claims (or information was late and outdated). The mere need for claims – often still to be submitted on paper and based on information that in case of 'internet banks' may not be accessible when websites of such a bank are not operational – constituted a serious problem for depositors. Any difficulty and lack of transparent processes before and during the payout procedure may undermine depositor confidence in DGS.

Currently, 30 DGS pay depositors out in the currency of their Member State whereas 5 DGS pay them out in the currency 'as paid in'<sup>38</sup>. Some depositors were worried that they would receive their reimbursement in the currency of the bank's home country even though their deposits were denominated in euro. The possibility to transfer currency risk to depositors may undermine their confidence in DGS and – at least together with other problems – induce a run on banks. Moreover, a payout in a different currency than the one of the DGS is likely to delay the process.

It should be noted that this risk of delay does not only materialise in case of deposits in currencies other than the currency of the Member State where a bank or a branch is located but also in the situation where e.g. a bank from a country outside the euro area opens its branch in a euro-area country and deposits are taken in euro. In this respect, a payout in another currency than paid in could also have distortive effects since deposits with branches of foreign banks would become less attractive then.

Currently, two thirds of DGS pay interest until the date of failure; those paying longer apply a fixed rate, a market rate or the originally agreed rate<sup>39</sup>. Depositors were worried that payout might not include interest payments if those would only be due after the time of failure.

This shows that under the current approach depositors have no clear picture about how payout is executed and what they receive in case interest has not yet been credited to their account, in particular when the failure happens before interests are due, i.e. before maturity. The impact of this uncertainty on the possibility of bank runs may be low since interest rates on current accounts, are normally quite low and savings deposits may - pending their conditions - not be eligible for withdrawal before maturity or if so, interest payments would be reduced anyway. However, any uncertainty does not contribute to trust in DGS which is a prerequisite for financial stability.

Moreover, with regard to structured products, the calculation of the interest payment may be difficult and time-consuming or may even sometimes not be calculable at all. Similarly, banks offering exceptionally high interest rates could lead to financing problems of DGS if this has

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<sup>38</sup> Ibid, p. 27.

<sup>39</sup> Ibid, p. 40.

not been taken into account when calculating the contributions of such banks. Both issues are not dealt with by the current Directive.

#### 4.2.3. *Inappropriate set-off arrangements*

Currently, 22 Member States allow that deposits are set off against due liabilities of the depositor (e.g. instalments of mortgages) at the same bank or counterclaims against the depositor (e.g. the entire mortgage loan). This is not the case under normal circumstances if instalments are duly paid. In such case, if liabilities reach or exceed deposits, set off with due claims or counterclaims reduces and, in extreme cases, eliminates any payout from a DGS. If depositors know that their deposits and liabilities will be set off, they will prefer to run on their banks in order to get their deposits paid out in full. Those who do not do so might be paid out nothing and put under financial stress. Moreover, determining liabilities and matching them with deposits is time consuming and therefore likely to delay payout<sup>40</sup>.

### 4.3. **Insufficient depositor information**

Currently, actual and intending depositors must receive the information about the DGS covering their deposits including the amount and scope of coverage and whether their deposits are eligible or not. That information must be made available in a readily comprehensible manner. Information must also be given on request on the conditions for compensation and the formalities which must be completed to obtain compensation. All information must be given in the languages of the Member State in which the bank or the branch is established. It is within the discretion of Member States how exactly the information is provided.

If depositors do not know whether and to what extent their deposits are protected, there is a risk that they will run on their banks in times of crisis. They may also hesitate to deposit their money at foreign banks or branches if they do not know how other country schemes function. They might be concerned that in case of a bank failure, they might not get their money back since they might not know or understand the procedures to follow. Depositors might be susceptible to financial losses if they discovered only after the fact that they are not eligible or that not all their financial products are covered or that all their deposits at one bank are aggregated in order to determine whether they are covered. And if they are uncertain about any of these aspects of deposit protection, it could lead to the lack of confidence in DGS, thus contributing to the possibility of a run on banks.

In 2008 and 2009, the Commission received many requests from citizens who wanted to know how their deposits are protected. The Commission services understand that DGS or consumer organisations also received many such requests. The lack of awareness about the key features of the responsible DGS is illustrated by recent consumer research undertaken in the UK<sup>41</sup>.

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<sup>40</sup> Ibid, p.23: "Out of those DGS that apply set-off, 40% have experienced deposit payout. Five DGS applying set-off had asked for an extension of the three months period (45%)."

<sup>41</sup> FSA, Consumer awareness of the Financial Services Compensation Scheme, op.cit., p. 19: "Although awareness of the FSCS [the UK DGS] by name was very low among the groups, many respondents thought there was 'something', and a few of the wealthier respondents mentioned a figure of around £30,000-£35,000 of savings which was guaranteed. All the Northern Rock customers knew it was £35,000 but were still unfamiliar with the FSCS by name. Almost nobody knew anything more about the scheme or how it worked (e.g. with regard to protection being based on a bank's authorisation or debt and savings relationships), and none knew how it was funded. (...) Without guidance, most assumed it to be a government scheme or some form of private sector insurance."

Even though a relatively high number of depositors was alerted by the media in the financial crisis about the strength of their DGS in particular cases and sometimes this led to shifting deposits elsewhere as described above, the correspondence addressed to the Commission services shows that many depositors did not feel profoundly informed about the function of DGS.

For example, depositors at branches of Icelandic banks complained to the Commission that the distinction between branches and subsidiaries, which can lead to different DGS dealing with payout, was confusing (see Section 4.6). Those depositors preferred a point of contact in their country of residence and consequently, in their language. Others were worried that payout might not include interest payments if the interest payments would only be due after the time of failure. Currently, these issues are indeed not dealt with by the Directive. This lack of clarity compromises depositor confidence.

All deposits of a depositor at a bank including its branches are aggregated. If a depositor has e.g. a savings account of €30 000 and a current account of €40 000 at the same bank, the depositor would only receive €50 000 if this is the coverage level in a Member State. This may lead to problems if different products such as savings and current accounts are traded under different brand names even if they are sold by the same bank<sup>42</sup>. In such a case, the depositor may not know that both accounts are aggregated for the purpose of calculating the coverage level.

A lack of information about what and to which extent products are covered by DGS may also lead to choosing inappropriate products and consumers may thus not fully exploit all options available in the Internal Market.

#### **4.4. Inappropriate financing of DGS**

##### *4.4.1. Different DGS funding mechanisms and bank financing obligations across the EU*

DGS are principally funded by banks paying contributions to them. Currently, in 21 Member States such contributions are paid in advance on a regular basis (ex-ante) while in six Member States (AT, IT, LU, NL, SI and UK) banks only contribute after a failure (ex-post). Other financing sources are loans taken by the DGS or direct state interventions.

Consequently, the level of DGS funding is very different throughout the EU. Ex-post funded DGS have no funds available when there is no bank failure. In terms of the ratio between ex-ante funds and eligible deposits (coverage ratio, see also Annex 16), there is a range between 0.01% and 2.3%. For smaller banks (i.e. banks not belonging to the top-10 deposit takers at each DGS), these ratios are much higher with an average of 7.9%. To illustrate these percentages, the amount of ex-ante funds ranged in 2007 between €6.9 million in MT and €6.5 billion in ES. At the same time, the maximum resources available to DGS (ex-ante schemes plus ex-post contributions) amounted to between €27 million and €8.1 billion in those Member States respectively. For comparison, the amount of eligible deposits in the EU is about €9.3 trillion and the amount of covered deposits (under Directive 2009/14/EC and the coverage level of €100 000) is about €6.7 trillion (see Annexes 2, 3 and 13a).

When the financial crisis aggravated in autumn 2008, DGS have turned out to be underfinanced. The most prominent example is Iceland, an EEA country where the DGS

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<sup>42</sup> This situation occurs in particular in UK.

Directive applies. The DGS had available ISK 15 billion (approx. €120 million as of 1 September 2008) in ex-ante funds, equivalent to 0.5% of deposits and ISK 6 billion guarantees as additional resources<sup>43</sup>. The savings deposits at branches of two Icelandic banks (Landsbanki and Kaupthing) in DE, NL and UK alone amounted to more than €8 billion<sup>44</sup>.

In the context of the above, it is argued that in order to make deposit guarantees credible it is important to specify how they will financially be provided. The need for sound funding to ensure the effectiveness and credibility of DGS was emphasized by the developments in autumn 2008 when most Member States raised their coverage levels without any financial strengthening of their DGS. Therefore, there may be questions regarding the capacity of (some) governments to provide for the implicit or explicit guarantee that they have announced<sup>45</sup>.

The Commission's research has shown that DGS in 6 Member States would not be capable to cope with a medium-sized bank failure<sup>46</sup>. In one Member State (SK), the scheme has just overcome a deficit in which it had been for years. In DE, the voluntary DGS had to apply for a state guarantee of €6.7 billion following the failure of a subsidiary of Lehman Brothers<sup>47</sup>. Even if a single DGS might never be able to cope with a failure of a large cross-border banking group, they should at least be able to deal with medium-sized failures. It should be noted that the DGS Directive is applicable regardless of whether there is a systemic crisis or not. Otherwise it could not fulfil its objective to prevent bank runs. If DGS have insufficient funds, depositors may be paid out only after a very long delay or not paid out at all. If depositors are aware of this, they will lose confidence in DGS and may potentially run on their banks.

The lack of harmonisation as regards DGS funding may affect not only depositor confidence but also banks' competitiveness and behaviour (as it leads to significant differences in bank contributions to DGS). First of all, mere ex-post funding is pro-cyclical: it encourages risk-taking in good times, but drains liquidity from banks in times of stress which might have implications on the level and conditions of credit supply by banks. Moreover, unlike in ex-ante schemes the failed bank does not contribute to payout (moral hazard). Banks that do not have to pay ex-ante contributions are able to generate returns on these funds, which constitutes a competitive advantage vis-à-vis their competitors in other Member States with ex-ante funded DGS. This was raised by many banks and banking associations in the public consultation conducted by the Commission last year.<sup>48</sup>

The access to funding beyond ex-ante funds is different, too. All but 7 DGS can borrow money from different sources, but 3 DGS only to a limited extent. This is problematic since

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<sup>43</sup> K. Jännäri, Report on banking supervision in Iceland: past, present and future, 30 March 2009, p. 8.

<sup>44</sup> Ibid, p. 17.

<sup>45</sup> S. Schich, Challenges associated with the expansion of deposit insurance coverage during fall 2008, op.cit.

<sup>46</sup> The six Member States were BE, CY, IE, IT, LV and MT. A medium-sized failure was defined in this context (representing a failure of intermediate size which occurred in an EU-12 country in 2003) as a failure concerning 0.81% of eligible deposits. Many other Member States had to rely on unlimited borrowing facilities in order to cope with a failure of that size (see JRC Report on the efficiency of DGS, May 2008).

<sup>47</sup> Commission Decision no. 17/2009 of 21 January 2009 (see press release IP/09/114).

<sup>48</sup> In contrast to this, there is research concluding that "*mispriced deposit insurance and capital regulation were of second order importance in determining the capital structure of large US and European banks*" (see R. Gropp, F. Heider, The determinants of bank capital structure, ECB Working Paper No. 1096, September 2009).

ex-ante funds alone may not be sufficient to pay out depositors. Where ex-ante funds are collected, the ratio between extraordinary (including ex-post) funds and total funds is between 1.4% in SE and 82% in CY (see Annex 13a). If needed, all ex-ante funded DGS can request supplementary contributions from banks but the extent is very different (see Annex 13b). Taking into account additional ex-post financing facilities for ex-ante financed schemes, the coverage ratio ranges between 0.1% and 3.1%, while for smaller banks (as defined above) the average is 19.6%.

If not all DGS are equally sound and capable to deal with a bank failure of a certain size, there may also be repercussions for the functioning of the Internal Market. Banks from Member States with very weak DGS, which establish branches in another Member State, can do so without being hindered by the host country. However, if the home country DGS is considered incapable by the host country to deal with a bank failure, the host country may not like to rely on the prudential supervision exercised by the home country. In the context of the recent Icelandic bank failures, this has led to Member States reflecting upon measures which might create obstacles to the freedom of establishment (i.e. to set up branches), implying a less open Internal Market<sup>49</sup>.

Moreover, banking groups intending to reorganise themselves under the European Company statute have perceived it as tedious and burdensome to change the DGS when their subsidiaries would turn into branches, in particular because they did not receive their previously paid contributions back from the scheme they left but also had to pay contributions to the new scheme.

#### *4.4.2. Banks contributions to DGS not adjusted to risk*

In most Member States banks pay their contributions to DGS as a fixed percentage of deposits (usually eligible deposits). The degree of risk incurred by a given bank is not taken into account. This may be perceived by risk-averse banks as a competitive disadvantage and as a disincentive for sound risk management which may also make the financial system more vulnerable and induce adverse selection.

This report does not, however, deal with systemic risk since criteria for measuring it are only being developed on international level.

### **4.5. Limited mandates of DGS**

The powers to manage bank crises are split between different domestic authorities, ranging from supervisory authorities to central banks, governments, judicial authorities and in some cases DGS. Also, the extent of powers and the conditions governing their use differ according to each national system. This entails inefficient cross border bank resolutions process and suboptimal outcomes<sup>50</sup>.

In this context, the Commission Communication on an EU framework for cross-border crisis management in the banking sector (COM(2009)561) states the following:

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<sup>49</sup> FSA, The Turner Review – A regulatory response to the global banking crisis, March 2009, p. 100 et seq. ([http://www.fsa.gov.uk/pubs/other/turner\\_review.pdf](http://www.fsa.gov.uk/pubs/other/turner_review.pdf)).

<sup>50</sup> Impact Assessment accompanying the Communication on an EU framework for cross-border crisis management in the banking sector, SEC(2009)1389, p. 30.

*"Deposit guarantee schemes could include the possibility of funding resolution measures. This would have the advantage that the banking sector would contribute directly to ensuring its own stability. However, this should not be to the detriment of compensating retail depositors in the event of a bank failure. In its review of the operation of deposit guarantee schemes to be brought forward in early 2010, the Commission will examine the use of deposit guarantee schemes in the context of the crisis. Alternatively, as some Member States do, the Commission could explore the creation of a resolution fund, potentially funded by charges on financial institutions which might be calibrated to reflect size or market activity."*

An assessment of the creation of a resolution fund would go beyond this impact assessment and will be performed as a follow-up to the Communication referred to above.

Currently, in 11 Member States DGS have varying powers beyond the mere payout of depositors ('paybox' function) such as liquidity support, restructuring support or liquidation role (see Annex D). Such transactions may be rational if the cost for successful reorganisation is smaller for the DGS than the total payout to the same bank in the event of bankruptcy (the so-called 'least-cost principle'). The lack of coherence between national DGS roles may further impede coordinated actions on a cross-border basis. If a DGS can use its funds to support a bank in one Member State but this is not the case in another Member State, private sector in the former may not be willing to participate in the negotiations concerning e.g. a reorganisation of the bank<sup>51</sup> if the private sector does not contribute to a similar extent than in the latter. A reorganisation of a bank could fail for such a reason, leaving the taxpayer to pay or causing financial and economic turmoil when a bank has to be liquidated. This is aggravated by the fragmentation of DGS since even a reorganisation in a Member State may be difficult if only one of several DGS can provide support and the other schemes refuse.

The funds of a soundly financed DGS originate from the banks themselves. However, the current financial crisis has shown that when banks threatened to fail, they were bailed out mainly with taxpayers' money amounting to almost €13 billion in the EU<sup>52</sup>.

In most Member States, the funds of DGS are either not sufficiently financed to even fulfil their 'paybox' role (see Section 4.4) or lack the power to participate in early interventions aiming at preventing a failure. If DGS have broader mandates, there could be a double impact by a restructuring and a payout at the same time even if occurring at different banks.

#### **4.6. Fragmentation and limited cross-border cooperation between DGS**

The high degree of fragmentation may mean that DGS with fewer resources would be hit more by a relatively big failure than a DGS with more resources be hit by a failure of a bank of the same size ('insurance effect'). This uneven distribution of risk is aggravated by the fact that there is no mutual borrowing between schemes of different Member States and sometimes not even between schemes within the same country. As a result, it is likely that the taxpayer would have to step in if a DGS has insufficient financial resources.

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<sup>51</sup> As defined in Article 2 of Directive 2001/24/EC: *"measures which are intended to preserve or restore the financial situation of a credit institution and which could affect third parties' pre-existing rights, including measures involving the possibility of a suspension of payments, suspension of enforcement measures or reduction of claims"*.

<sup>52</sup> Without guarantees that are only commitments and not effective when granted (source: Public Finances in EMU (2009), p. 44, [http://ec.europa.eu/economy\\_finance/publications/publication15390\\_en.pdf](http://ec.europa.eu/economy_finance/publications/publication15390_en.pdf)).

This is illustrated by the failure of an Icelandic bank that operated mainly via Internet and had a branch with 30 000 depositors in DE. Many depositors complained that German authorities and German DGS referred depositors to the Icelandic DGS. This is why a general obligation to mutually cooperate has already been introduced by Directive 2009/14/EC. However, this obligation is rather generic and does not require the host country DGS to assist and pay out depositors whose deposits are with a branch of a bank from another Member State (and the home DGS is primarily responsible). A payout by the host DGS on behalf of the home DGS has been requested in many complaints and petitions from depositors<sup>53</sup>. It can thus be concluded that currently there is no incentive for home country DGS to care about depositors in other Member States (i.e. host countries).

In the context of the new EU financial supervisory architecture<sup>54</sup> it has become more and more obvious that the supervisory cooperation for cross-border banking groups must be improved. Since banking supervisors are involved in the decision whether a bank should be saved or the DGS triggered, the fragmentation of DGS does not provide incentives for supervisors to reach a solution that is in the interest of all depositors of a banking group and takes into account the potential impact on the financial stability of all Member States concerned as required by Article 42a(3), second subparagraph, of Directive 2006/48/EC. While progress on burden sharing and resolution mechanisms is deemed critical to reinforcing trust between national authorities, the current degree of fragmentation would set incentives to deal separately with each subsidiary which could favour some creditors or depositors in one country compared to others<sup>55</sup>.

Moreover, on 23 September 2009, the Commission adopted proposals for three Regulations establishing the European System of Financial Supervisors including the creation of the three European Supervisory Authorities. The new European Banking Authority will further coordinate banking supervision, in particular by setting technical standards and settling disagreements.

#### **4.7. Exemption of mutual and voluntary guarantee schemes from the DGS Directive**

Mutual guarantee schemes are schemes ensuring mutual protection of their members, i.e. preventing a bank failure<sup>56</sup>. They exist mainly in the sector of cooperative and savings banks in AT and DE. Consequently, there is in principle no need to pay out depositors since their banks' operations would not cease. Voluntary guarantee schemes do not protect banks from failures but, based on a contract between members, in case of failure offer coverage of deposits that is higher and/or wider in scope than the statutory DGS subject to the Directive. Currently, there is only one such a scheme in DE that offer quasi-unlimited protection.

Mutual guarantee schemes are exempt from the Directive if they fulfil the criteria under Article 3(1) and are acknowledged under Article 80(8) of Directive 2006/48/EC in another context (zero risk-weight of exposures between banks adhering to such scheme). Both articles

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<sup>53</sup> See e.g. Petition no. 1567/2008.

<sup>54</sup> Commission Communication of 27 May 2009 on European financial supervision (COM(2009)252) and Proposal for a Regulation establishing a European Banking Authority (COM(2009)501).

<sup>55</sup> COM(2009)561, p. 8.

<sup>56</sup> A mutual guarantee system protects the credit institution itself and ensures its liquidity and solvency. In an emergency, the other members of the system step in and support the bank. Such systems have in particular been established by cooperative and savings banks in AT and DE.



are not consistent with each other (see Annex E for details). Voluntary schemes are not covered by the Directive at all.

Mutual guarantee schemes have been advertising with 'unlimited protection'<sup>57</sup> even though they do not offer higher coverage as such. Depositors have thus not been adequately informed about their functioning. Maintaining the status quo, i.e. leaving such schemes apart and further advertising with 'unlimited protection', could lead to competitive distortions if from end-2010 onwards all DGS under the Directive are prohibited to increase their coverage levels above €100 000.

Voluntary and mutual schemes are based on a contract between their members and most of them do not provide rights to depositors to claim reimbursement in the event of a bank failure<sup>58</sup>. However, Article 10 sets out that depositors shall have a claim against DGS under the Directive (for those DGS that are not exempt like the mutual schemes). This is not clearly mentioned on the above schemes' websites leading to the lack of depositor information.

Moreover, since mutual schemes are exempt from the Directive, depositors would not be covered if a mutual system collapses<sup>59</sup>. In this context, it should be noted that details about the funds available to mutual and voluntary schemes have not been disclosed, even on request. It leaves plenty of room for speculation about their financial capacity. The voluntary scheme for private banks in DE, which promises coverage of up to one third of the bank's own funds per depositor (i.e. de facto unlimited), asked for €6.7 billion state aid in 2008 (see Section 4.4.1) and has recently doubled contributions to be paid by its members<sup>60</sup>. A large insurance company has recently explained that it did not trust the deposit insurance of the private banks<sup>61</sup>. Despite the voluntary and mutual schemes in Germany, political unlimited deposit guarantee was given. Moreover, many of the German Landesbanken in distress which are members of the mutual guarantee scheme of German savings banks (except WestLB<sup>62</sup>) received state aid so that this scheme did not have to be tested. The protection of depositors could thus be compromised if they are not protected by a DGS under the Directive.

#### 4.8. Baseline scenario

If the status quo is maintained, the fixed coverage level of €100 000 – paid out by DGS within maximum 4 to 6 weeks from the moment a bank is declared insolvent – will apply EU-wide from end-2010 onwards. This long payout delay together with the lack of financial capacity of some schemes would be insufficient to deter depositors from running to their banks in order to get all their deposits immediately (which happened in UK in 2007 under a coverage of only £ 35 000) and could have severe economic consequences. Moreover, the perspective of depositors who owe money to their bank to be reimbursed less or not at all (set-off) in case of a bank failure will not calm down the depositors concerned. Consequently, the Directive

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<sup>57</sup> See references in the consultation paper:

[http://ec.europa.eu/internal\\_market/consultations/2009/deposit\\_guarantee\\_schemes\\_en.htm](http://ec.europa.eu/internal_market/consultations/2009/deposit_guarantee_schemes_en.htm).

<sup>58</sup> A notable exception is the 'Raiffeisen-Kundengarantiegemeinschaft Österreich' for cooperative banks in AT. Article 14 of their statutes stipulates: "*[In case of insolvency of a member], the association has to honour the protected claims against the [member] (...). To the extent that the claims are also subject to the statutory DGS, the claims are honoured on behalf of the statutory DGS.*"

<sup>59</sup> This is the case in DE, but not in AT where all banks including members of a mutual scheme ('Haftungsverbund' or 'Solidaritätsverein') have to be members of a DGS.

<sup>60</sup> Handelsblatt, 18 January 2010.

<sup>61</sup> Süddeutsche Zeitung, 20 January 2010, [www.sueddeutsche.de/finanzen/440/500704/text/print.html](http://www.sueddeutsche.de/finanzen/440/500704/text/print.html).

<sup>62</sup> Frankfurter Allgemeine Zeitung of 25 November 2009, p. 13.

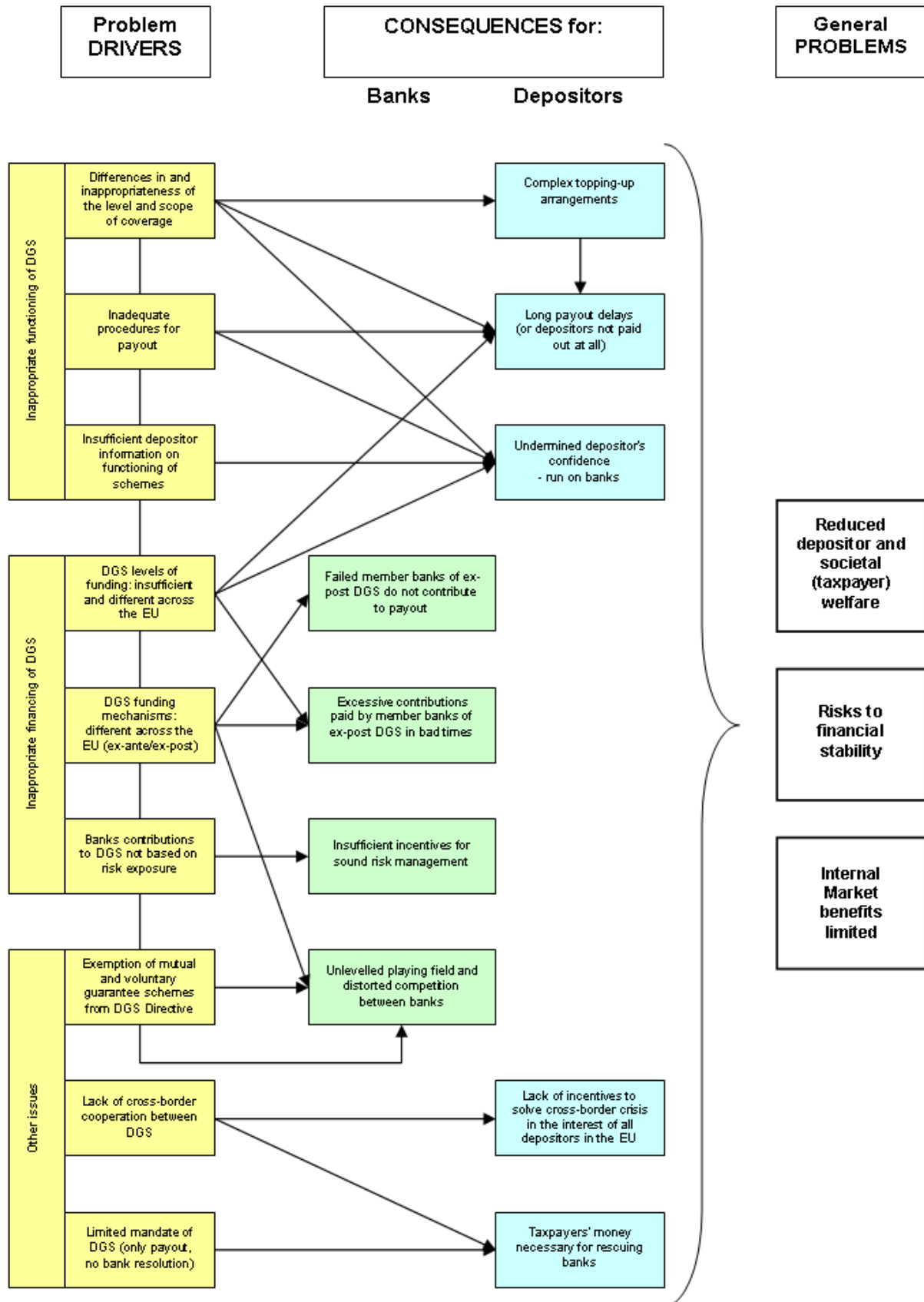
would not meet its objectives in terms of protecting depositor wealth, preventing bank runs and contributing to financial stability.

A varying scope of covered products and different eligibility criteria for protected depositors in the EU, combined with the lack of information on whether deposits are covered, would lead to depositors searching for the 'best DGS' when depositing their money instead of looking for the 'best product' or 'best service' (see 4.1).

This and the lack of mutual cooperation between schemes in cross-border situations and the perspective of having to deal with a DGS in another language (as shown after the failure of the Icelandic banks) would lead to choosing between domestic banks only. The potential of the Internal Market would thus remain untapped. The new supervisory architecture described under would also be hampered by fragmentation and a lack of coordination (see above 4.5 and 4.6).

Banks, in particular those operating cross-border, would still suffer from an unlevel playing field if they have to pay high contributions in one Member State, but none in another one so long as there is no bank failure. In the latter case, they would have to provide liquidity to the DGS in times of general stress on banks' liquidity. Banks will also suffer from adverse selection, if a sound and prudent bank has to pay the same contributions as a bank of the same size operating under an aggressive business model at the margin of prudential regulation and incurring higher risks.

Graph 1: Problem tree



Source: Commission services.

## 5. SUBSIDIARITY

Only EU action can ensure that credit institutions operating in more than one Member State are subject to the same requirements concerning DGS, which ensures a level playing field, avoids unwarranted compliance costs for cross-border activities and thereby promotes further integration within the Internal Market. Without harmonising the financing of DGS, depositor confidence could not be maintained. EU action therefore ensures a high level of financial stability in the EU.

Namely the harmonisation of coverage, scope and eligibility of depositors, and of payout delays cannot be sufficiently achieved by Member States because it requires the harmonisation of a multitude of different rules existing in the legal systems of various Member States and can therefore be better achieved at EU level.

This has already been acknowledged by the existing Directives on DGS<sup>63</sup>, which are all based on Article 53(1) TFEU. The extent of harmonisation, which goes far beyond the minimum harmonisation approach taken in 1994, when the Directive entered into force, is the only measure achieving the objective of protecting depositors, ensuring financial stability and enhancing the Internal Market since the minimum harmonisation approach has failed in the recent crisis. This has been acknowledged by the ECOFIN Council of October 2008 and Article 12 of Directive 1994/19/EC as amended by Directive 2009/14/EC, according to which a far-reaching review was necessary.

## 6. OBJECTIVES

The overarching objectives of the revision of the DGS Directive are identical with the objectives enshrined in the Directive: maintaining financial stability by strengthening depositor confidence and protecting their wealth. The pursuit of these objectives is driven by the need to enhance the Internal Market, which lies at the heart of the Directive. The following general objectives result from the recitals of the Directive and the Treaty<sup>64</sup>:

- protecting a portion of depositor wealth in order to avoid bank runs, personal hardship and stress for social welfare systems;
- ensuring financial stability by strengthening depositor confidence and a more effective supervision and resolution of cross-border banks;
- enhancing the Internal Market:

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<sup>63</sup> Recital 17 of Directive 2009/14/EC and Recitals (not numbered) of Directive 94/19/EC.

<sup>64</sup> A general discussion of whether DGS as such induce moral hazard is not part of this impact assessment. This general question has been decided when DGS were introduced by Community legislation in 1994. Adverse selection from the perspective of banks, however, is addressed in Sections 4.4 and 7.9. More specifically, there is no moral hazard for banks since DGS are only triggered if they are closed and DGS offer thus no incentives in this regard. Moreover, from the perspective of depositors moral hazard is not discussed either since co-insurance, a portion of losses to be borne by depositors, has been abandoned by Directive 2009/14/EC and it cannot be assumed that depositors can assess the solidity of banks or that banks offering more than a certain interest rate have to be considered unstable. Supervision is the task of the competent authorities.

- ensuring a level playing field between banks wherever headquartered in the EU;
- allowing banks to choose the way of providing cross-border services (i.e. via direct operations in another Member State, branch or subsidiary) without restraints concerning the DGS regime.

Last but not least, it should be noted that the review maintains the principle set out in the recitals of the Directive that banks, not taxpayers, should in principle finance DGS. Therefore, this impact assessment does not deal with fiscal support for DGS<sup>65</sup>.

The table below shows the hierarchy of the objectives (from general to operational) applicable to specific issues.

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<sup>65</sup> The Directive does not distinguish between systemic crises and 'normal times' and it is not intended to change this approach. Were it changed, depositors would have no confidence since they would be implicitly told that their deposits were not safe in a systemic crisis. The Directive could then not achieve its goal to prevent bank runs.

**Table 1: General, specific and operational objectives**

| Problem drivers   | Specific problems stemming from the problem drivers  | Operational objectives  | Specific objectives   | General objectives  |
|---|--|---|---|---|
| 1<br><b>Differences in and appropriateness of the level and scope of coverage</b> | If depositors feel that a significant part of their deposits is not covered, they will run on their banks. Differences lead to complex topping up arrangements and long payout delays in cross-border situations. Potential depositors may not choose the best product but the most comprehensive scheme, potentially distorting competition and limiting the benefits of the Internal Market. | Ensure that deposits are covered to the highest economically feasible and cost-efficient extent also in relation to the potential number of bank failures. Reduce differences in the level and scope of coverage. Provide alternative solutions to the current 'topping up' regime. | Determine the appropriate coverage level. Provide for level playing field and enhanced product selection. Simplify arrangements applicable in cross-border situations | <b>Strengthen depositor confidence - Enhance financial stability - Protect a part of depositors' wealth - Enhance the Internal Market</b> |
| 2<br><b>Inadequate payout procedures</b>  | If depositors have the choice to withdraw their deposits before the DGS is triggered or to wait several weeks after the DGS steps in, they will run on their banks in order to get money for the food, bills etc.  | Ensure clear and fair payout modalities. Ensure that DGS are capable to deal with payout situations. Involve DGS at an early stage. Improve information exchange between banks and DGS.   | Reduce payout delays.   |   |
| 3<br><b>Insufficient depositor information on functioning of schemes</b>          | If depositors do not know whether their deposits are protected, they will run on their banks. They may also hesitate to deposit their money at foreign banks or branches if they do not know how other schemes function.   | Clarify and elaborate existing information obligations of banks.  | Inform potential and existing depositors of their deposit protection conditions.  |   |
| 4<br><b>DGS funding mechanisms different across the EU (ex-ante / ex-post)</b>    | Different funding mechanisms potentially distort competition. Mere ex-post funding would be pro-cyclical: it drains liquidity from banks in times of stress. Moreover, unlike in ex-ante schemes, the failed bank does not contribute to payout.   | Increase convergence between DGS.   | Provide for a level playing field.  |   |
| 5<br><b>Level of funding of DGS: insufficient and different across the EU</b>     | If DGS have insufficient funds, depositors may not be paid out. If they are aware beforehand, depositors will lose confidence and will run on their banks. Mere ex-post funding would be pro-cyclical: it drains liquidity from banks in times of stress. Moreover, unlike in ex-ante schemes the failed bank does not contribute to the payout.   | Strengthen funding mechanisms and reduce differences between them.  | Enhance funding of DGS. Provide for a level playing field.  |   |
| 6<br><b>Banks contributions to DGS not based on risk exposure</b>                 | Lack of incentives for sound risk management may make financial system more vulnerable.  | Provide for contributions to schemes which adequately reflect the degree of risk incurred by banks.   | Provide incentives for sound risk management. Ensure that bank finance DGS.   |   |
| 7<br><b>Limited mandate of DGS (only payout, no bank resolution)</b>              | If DGS had a broader mandate, their funds originating from the private sector could be used to support ailing banks – this may reduce the need for taxpayers' money for support measures.  | Ensure adequate funding for DGS with additional tasks. Ensure that DGS with intervention powers remain sufficiently funded to fulfil their payout obligation if charged with additional tasks.  | Facilitate private sector solutions in crisis situations.   |   |
| 8<br><b>Lack of cross-border cooperation between DGS</b>                          | High degree of fragmentation may mean that DGS with fewer resources would be hit more by a big failure than a DGS with more resources. This is aggravated by the lack of mutual borrowing between schemes across the EU. As a result the taxpayer might have to step in if a DGS has insufficient financial resources.   | Provide for a solution which would make the schemes cooperate effectively.  | Protect depositor and taxpayer welfare regardless where in the EU deposits and their holders are located.   |   |
| 9<br><b>Mutual and voluntary schemes exempted from DGS</b>                        | Depositors would not be covered if a mutual system collapses. Letting these schemes further advertising an 'unlimited protection' could lead to competitive distortions if from end-2010 all DGS are prohibited to increase their coverage levels above €100 000.  | Consider including mutual and voluntary guarantee schemes in the DGS Directive  | Enhance depositor protection. Provide for a level playing field for the banks across the EU.  |   |

Source: Commission services.

## 7. POLICY OPTIONS: IMPACT AND COMPARISON

This section compares the impacts of policy options for each area on the relevant stakeholders (DGS, banks and depositors). The policy options have been assessed in terms of effectiveness (i.e. the extent to which they achieve the objectives of the proposal), efficiency (notably cost-effectiveness) and coherence with other overarching objectives of EU policies. The following score system has been used for the assessment of a potential impact: from slightly positive (+) to strongly positive (+ + +), from slightly negative (-) to strongly negative (- - -), no impact: 0.

For simplification purposes, with regard to most issues, a step-up approach has been taken, i.e. already chosen preferred options serve as the baseline for the assessment of the following issues.

The analysis is mostly based on the figures from the study elaborated by the Commission's Joint Research Centre (JRC); in areas not covered by this study other sources have been used<sup>66</sup>. The JRC developed numerous scenarios (changes in the level and scope of coverage, funding mechanisms, payout, etc.) in order to facilitate the assessment of the potential impact of various policy options on stakeholders. In this context, it should be noted that:

- The impact on banks has been presented both regarding *normal times* (when only ex-ante contributions are being collected and they influence operating profits of banks) and in a *crisis situation* (when also additional (ex-post) contributions need to be paid by banks). The latter, assuming that additional contributions are paid up to the maximum required ceiling (i.e. ¼ of all contributions), would have the strongest impact on bank profitability, and thereby it should be regarded as the worst-case scenario<sup>67</sup>.
- Higher costs and lower profits for banks may render them less attractive for investors, mitigating their own funds and thus diminishing the capacity to grant credits. However, this effect cannot be measured and it is not expected to be significant in the context of the preferred options.
- The impact on depositors has been presented as the worst-case scenario assuming that *all* additional bank costs are *entirely* passed on to depositors. In practice, however, these costs may be passed on not necessarily fully but only partially keeping in mind competition between banks. The real impact is thus expected to be lower.

As most of the parts of the impact assessment pertain to the provisions of existing EU legislation, the analysis of the type of policy instrument was assumed to be superfluous. Some issues presented in this impact assessment, such as the level of coverage, risk-based contributions, DGS mandate and a pan-EU DGS, will likely be subject of a report rather than a legislative proposal at this stage.

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<sup>66</sup> See the overview preceding the statistical annexes.

<sup>67</sup> The figures on the potential impact on banks should be interpreted very carefully as the samples of banks in most Member States (based on available data) are usually small (see *ibid*).

## 7.1. Level of coverage

The following policy options were taken into account as regards the extent of harmonisation of coverage levels in Member States:

- *Option 1 (current temporary approach)*: Minimum harmonisation of the coverage level set at €50 000 (Member States are not allowed to apply coverage levels lower than the minimum set in the Directive, but they are allowed to apply higher coverage levels).
- *Option 2*: Maximum harmonisation of the coverage level (all Member States must apply the same fixed coverage level specified in the Directive). As regards this option, the following sub-options related to the level of coverage were taken into account:<sup>68</sup>
  - (a) fixed coverage level of €50 000 (current approach);
  - (b) fixed coverage level of €100 000 (according to Directive 2009/14/EC, this level of coverage is to be applied from 31 December 2010 onwards);
  - (c) higher fixed level of coverage (e.g. €150 000 or €200 000).

The above options and sub-options within Option 2 are mutually exclusive. The options implying unlimited coverage and a coverage level based on selected financial or economic indicators, e.g. the size of deposits or GDP per capita, have been discarded at an early stage.

The approach of minimum harmonisation (Option 1) resulted in significant differences between the coverage levels in Member States. If reverted to, potential serious competitive distortions between Member States would remain, i.e. in times of financial distress deposits could be shifted from banks in Member States with a lower coverage level to those with higher protection. Such movements of deposits, based solely on one factor (the level of coverage), may involve some significant costs for (a) depositors (interest rate earnings potentially lost due to switching from one bank to another), (b) banking industry (a sudden and significant outflow of deposits may create heavy liquidity strains) and (c) real economy (banks may sizeably limit their lending activity in times of financial instability, and eventually government intervention and the use of public funds may be necessary).

The approach of maximum harmonisation (Option 2), which requires a fixed level of coverage in all Member States and does not allow any differences in coverage levels within the EU would result in creating a level playing field within the Internal Market, avoiding cross-border competitive distortions, strengthening depositor confidence, abandoning complex topping up arrangements, etc.

Various levels of coverage have been considered as to maximum harmonisation (Options 2a, 2b, 2c). The expected impact of various coverage levels in terms of the amount of covered deposits and the number of fully covered deposits (in relation to the amount/number of eligible deposits) have been presented in Table 2.

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<sup>68</sup> The analysed options assume that the coverage level is applied on a 'per depositor per bank' basis (as stipulated by the Directive (see Annex F).



**Table 2: The amount and the number of covered deposits with relation to the eligible deposits in the EU**

| Ratio  | As of end-2007 | Coverage level |          |          |          |
|--|----------------|----------------|----------|----------|----------|
|  |                | €50 000        | €100 000 | €150 000 | €200 000 |
| <u>Amount of covered deposits</u><br>Amount of eligible deposits       | 61.1 %         | 58.6 %         | 71.8 %   | 81.0 %   | 88.4 %   |
| <u>Number of fully covered deposits</u><br>Number of eligible deposits | 88.8 %         | 91.0 %         | 95.4 %   | 96.5 %   | 97.2 %   |

Source: European Commission (JRC).

As Table 2 shows, setting the fixed coverage level at €50 000 (Option 2a) would decrease the amount of covered deposits from 61% (as of end-2007) to 59% of eligible deposits<sup>69</sup>. It would, however, raise the number of fully covered deposits from 89% to 91% of eligible deposits. Adopting the above coverage level would increase total bank contributions from €1.8 billion (in 2008) to €2.2 billion (see Annex 4). At the same time, it would decrease operating profits of banks by 1.9% (with a stronger impact in EU-12 – see Annex 5). If, in theory, bank costs are fully passed on to depositors, the expected reduction of interest rates on saving accounts would be less than 0.1% or bank fees on current account maintenance would increase by less than €2 per year per account (see Annex 6).

This option could negatively influence both depositor confidence and financial stability. Currently, 16 Member States either already apply the coverage level of at least €100 000 or have legislation in place stipulating the introduction of such coverage in 2010 (see Annex 1). Reverting to the coverage level of €50 000 would thus be confusing for depositors and could undermine their confidence again, unnecessarily aggravating a risk of runs on banks. It could also be misinterpreted by the general public and financial markets as a lack of a clear vision and consistent overall strategy in the EU related to reforming DGS which are a key element of the financial safety net. Therefore, the idea to revert to the coverage level of €50 000 would be counter-productive to gradually restoring the still fragile financial stability in the EU.

Setting the fixed coverage level at €100 000 (Option 2b) would increase the amount of covered deposits from 61% (as of end-2007) to 72% of eligible deposits. It would also raise the number of fully covered deposits from 89% to 95% of eligible deposits (see Annex 3a-b). Adopting the above coverage level would increase total bank contributions from €1.8 billion (in 2008) to €2.6 billion (see Annex 4). At the same time, it would decrease operating profits of banks by 4% (with a stronger impact in EU-12 – see Annex 5<sup>70</sup>). If bank all costs are

<sup>69</sup> In its legislative proposal of 15 October 2008, the Commission stated that, according to estimates, about 65% of the amount of eligible deposits were covered under the previous regime (i.e. the minimum coverage level of €20 000) and the newly proposed coverage levels of €50 000 and €100 000 would cover about 80% and 90% of eligible deposits respectively. However, those figures were calculated on the then available data (as of 2003) and since then the amount of eligible deposits noticeably increased in the EU, while the amount of covered deposits remained almost unchanged. It is related to the fact that the average deposit size has increased in recent years (see Annex 3a).

<sup>70</sup> According to Annex 5, the average 5.5% decrease in bank profits is expected in EU-12. The strongest impact is expected in BG, EE and LV (about 10-15% decreases). The impact is related to the amount of eligible deposit and the corresponding operating profit of each bank. If in a sample there are banks with a small operating profit (as in the case of BG and EE), the variation of the operating profit will be very affected when increasing contributions (additionally, in EE, the sample includes only two banks). Moreover, as regards EE and LV the expected impact is high because of their low levels of coverage in 2007 (less or equal to €15 000).

passed on to depositors, they may expect a maximum reduction of interest rates on saving accounts of less than 0.1% or increasing current account maintenance fees of around €3.5 per year per account (see Annex 6).

Setting the fixed coverage level at €150 000 or €200 000 (Option 2c) would bring quite substantial benefits in terms of increasing the *amount* of covered deposits (see Table 2). At the same time, however, it would bring only very marginal (almost negligible) benefits in terms of increasing the *number* of fully covered deposits – comparable to those that could already be achieved by adopting the fixed coverage level of €100 000. Moreover, the coverage levels of €150 000 or €200 000 would have higher cost implications for banks (a decrease in operating profits of about 6-7%) and depositors in comparison with the two lower levels (see Annexes 5 and 6).

Finally, it should be noted that during the Commission public consultation conducted last year<sup>71</sup>, most stakeholders were in favour of setting the coverage level at €100 000 (about 50% of those who responded – compared to about 20% who preferred maintaining coverage at €50 000). The proponents of the €100 000 level regarded it as simple, transparent, stable, adequate for restoring depositor confidence, etc. The opponents were afraid that the costs for banks would not outweigh the rather marginal benefits. About half of the remaining contributors either suggested raising the level to between €50 000 and €100 000 or notably higher or even unlimited coverage. About 80% of respondents were of the opinion that the level of coverage should be fixed to create a level playing field. This issue has also been consulted with Member States after the public consultation. At the last meetings of DGSWG and EBC (in February and March 2009 respectively), only a few Member States still considered the level of €100 000 as too high; the others explicitly or implicitly supported it<sup>72</sup>.

*Conclusion:* The approach of minimum harmonisation proved to be ineffective as regards protecting depositor wealth and is incoherent with the Treaty objective to ensure the proper functioning of the Internal Market. The approach of maximum harmonisation would create a level playing field for all Member States. Among the harmonised coverage levels, €100 000 seems to be the most effective one as it would ensure a substantial progress in terms of increased deposit protection compared to the pre-crisis period. Moreover, keeping in mind that it was stipulated in the Directive quite a long time ago that the level of coverage would be applied from end-2010, it may be regarded as a kind of 'exit strategy' for Member States which introduced unlimited deposit guarantees as a result of the aggravation of the financial crisis in autumn 2008. All scenarios involve both benefits (extended depositor protection) and costs (increased bank contributions, reduced operating profits, potentially lower interest rates on savings or higher bank fees). In general, the higher the level of coverage, the higher benefits but also costs. It seems that the level of €100 000 is the balanced solution in terms of cost/benefit efficiency since the costs increase more or less proportionally in all scenarios (see Annexes 4-6) while the benefits of adopting a higher coverage level than €100 000 are very limited.

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<sup>71</sup> See [http://ec.europa.eu/internal\\_market/consultations/2009/deposit\\_guarantee\\_schemes\\_en.htm](http://ec.europa.eu/internal_market/consultations/2009/deposit_guarantee_schemes_en.htm).

<sup>72</sup> Depositors in NO are covered up to about €240 000. However, the average deposits amount to only €33 000 so that a reduction is unlikely to cut off many depositors from protection. If a neighbouring EEA country could apply a 140% higher coverage level, this would lead to a significant competitive distortion, in particular in the other bordering Nordic Member States. For sake of completeness, it should be noted that there is no particular impact on Member State with very low average deposits per depositor since then the coverage level is less relevant but does not lead to higher costs since the target level (see Section 7.8) would be accordingly lower in absolute figures.

The preferred policy option is therefore Option 2b.

| Operational objectives   | Policy options   | Comparison criteria |            |           |
|--|--|---------------------|------------|-----------|
|  |  | Effectiveness       | Efficiency | Coherence |
| Ensure that deposits are covered to the highest economically feasible and cost-efficient extent also in relation to the potential number of bank failures.<br>Reducing differences in coverage levels<br>Providing alternative solutions to topping up | 1. Minimum harmonisation – coverage level of €50 000                                 | -                   | n.a.       | -         |
|  | 2a. Fixed coverage level of €50 000 (current temporary approach)                     | 0                   | 0          | 0         |
|  | <b>2b. Fixed coverage level of €100 000</b> (final approach – from end-2010 onwards) | +++                 | ++         | +++       |
|  | 2c. Higher fixed level of coverage (e.g. €150 000 or €200 000)                       | +++                 | +          | +++       |

\*n.a. – efficiency (cost-effectiveness) of a measure cannot be estimated if the measure does not achieve the objectives set

## 7.2. Exemptions from the coverage level

The following policy options were taken into account (of which Option 1 and 2 are cumulative and Option 3 is mutually exclusive in relation to Options 1 and 2):

- *Option 1 (current approach)*: Indefinitely maintaining exemptions for social considerations in place on 1 January 2008 (i.e. not accepting new exemptions);
- *Option 2*: Higher coverage for temporary high deposit balances (THDB) stemming from some specific life events (e.g. real estate transactions) and limited in both amount and time;
- *Option 3*: Phasing-out the grandfathering after a transition period without particular coverage of THDB<sup>73</sup> but allowing a general protection of old-age provision products.

Maintaining the grandfathering for exemptions for social considerations existing before 2008 (Option 1) would be related to one Member State (unlimited protection of certain tax-privileged deposit savings accounts<sup>74</sup> in DK<sup>75</sup>). Therefore, it could lead to competitive distortions within the EU (see Section 4.1.2).

A higher coverage for temporary high deposit balances (Option 2) refers to a sudden (one-off) increase of the amount deposited on a bank account as a result of some specific life events.

<sup>73</sup> This would not prevent Member States from repaying deposits exceeding the coverage level if these deposits result from real estate transactions or are linked to particular life events such as marriage, divorce, invalidity or decease of a depositor provided that the costs for such repayments are not borne by DGS.

<sup>74</sup> These include savings index-linked accounts, lump-sum pension accounts, personal pension accounts, instalment pension accounts, children's savings accounts, home savings contracts, educational savings accounts and establishment accounts.

<sup>75</sup> It is worth noting that the Danish solution is similar but much more generous than the one existing in the US where so-called 'certain retirement accounts' (e.g. all types of individual retirement accounts, deferred compensation plan accounts provided by state and local governments, self-directed defined contribution plan accounts, etc.) enjoy a higher coverage level than standard deposits. The FDIC adds together all retirement accounts owned by the same person at the same insured bank, and insures the total amount up to \$250 000 (see <http://www.fdic.gov/deposit/deposits/insured/ownership2.html>). This will remain even after the standard coverage level (now temporarily increased to \$250 000 until end-2013) will return to \$100 000 in 2014 (see <http://www.fdic.gov/deposit/deposits/difactsheet.html>).

This has so far been applied only in FI and DK (limited to real estate transactions). It has also been considered in the UK. This option would have to entail the following elements:

- definition of covered events<sup>76</sup>;
- definition of a maximum coverage level;
- definition of a maximum time limit.

The Commission analysed only the impact of real estate transactions since it was regarded as the most relevant case and data on other events (e.g. personal injury compensations or inheritance) were not available on EU level. The following coverage levels were taken into account: €200 000, €300 000 and €500 000. The impact was calculated for the time limits of 3, 6, and 12 months.

In general, the higher the coverage level for THDB and the longer the time limit, the more costs for banks and for depositors (see Annex 9). The impact of coverage for THDB set at €200 000 for 3 months (the THDB scenario with the lowest impact analysed) would lead to an increase in annual contributions to DGS of €46 million after 2010 and a decrease in banks' operating profits of 0.6%. If, in theory, all additional bank costs were completely passed on to depositors, a decrease in interest rates on savings would be negligible (almost zero) and an increase in bank fees on current accounts should not exceed €0.2 per account per year. On the other hand, under the scenario with the highest impact analysed (a THDB coverage of €500 000 for 12 months), annual bank contributions would increase by €71 million after 2010 and their operating profits would decrease by 2.7%. If bank costs were entirely passed on to depositors, bank interest rates would decrease only very slightly (by 0.02%) or fees would increase by less than €1 per account per year.

The impact on depositors will be low since only a very limited number of depositors will have THDB just at the time of a bank failure. According to the Commission (JRC) estimates, in 2007, the average house price was above €100 000 in 15 Member States, of which it was above €200 000 only in 3 Member States (see Annex 8).<sup>77</sup> Therefore, in many Member States, an average house transaction already falls within the coverage level of €100 000. Many depositors with high balances can be assumed to have sought financial advice on how to invest a THDB, thereby lowering it (e.g. by investing it). The low number of depositors concerned also means that THDB coverage would not have an impact on financial stability.

The introduction of THDB coverage would also lead to an increase of human and financial resources needed for DGS. The definition of the three elements referred to above would be difficult to harmonise since the need to protect certain events (e.g. inheritance or divorce or real estate transactions) would likely be seen differently by Member States. If this was left to the discretion of Member States, the risk of competitive distortions would even be higher. Member States could also improve the rank of such depositors in an insolvency procedure,

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<sup>76</sup> For example, in its consultation paper of March 2009, the FSA proposed that temporary high balances should benefit from additional protection where they arise from: (i) sale of a primary residence and property bought for dependent relatives, for use as their primary residence; (ii) pension lump sums; (iii) inheritance; (iv) divorce settlements; (v) redundancy payments; (vi) proceeds of pure protection contracts; (vii) court awards / out-of-court settlements for personal injury (for more details, see [http://www.fsa.gov.uk/pubs/cp/cp09\\_11.pdf](http://www.fsa.gov.uk/pubs/cp/cp09_11.pdf)).

<sup>77</sup> According to European Mortgage Federation, there are 7 Member States with the average house price above €200 000.

e.g. by allowing the segregation of ownership as to such claims. Moreover, payout would likely be delayed.

Moreover, one could argue that if payments for social reasons or old age provision deposits are not covered, there may be an impact on public welfare. In general, there are no lump sum payouts in the mandatory state pension schemes in Member States (all Member States pay out monthly instalments instead of lump sums), or where it is possible, there is a limit of the entitlements (e.g. 25% in UK and SE). Lump sum payouts are much more wide-spread in privately funded pension schemes, and in this case a 100% payout in lump sum is also often used<sup>78</sup>. However, DGS are not designed to cover pensions since old age provision can take many different forms (e.g. investment, insurance, deposits or state payments). It would therefore seem preferable to examine pension protection in a broader context. Although there were no sufficient data to evaluate exactly the potential impact and costs of protecting pension lump sum payouts, the size of these lump sum payouts is unlikely to be very high implying that only a small fraction of them can be expected to be above the protection level of €100 000. Therefore, the impact would be very limited as most pension lump sum payouts would be protected under the standard coverage level. This also means that the impact on public welfare would be limited.

Phasing out the grandfathering without introducing particular coverage for THDB (Option 3) would have a very limited negative impact since currently only depositors in DK and FI (the latter limited to real estate transactions) profit from it. For DK this would mean abandoning unlimited protection of certain tax-privileged savings accounts. Moreover, only depositors exceeding the coverage level would profit from such exemptions. On average in the EU, their number is very low (4.6%). However, their number in DK is much higher (18.8%). Leaving it open to Member States to introduce a general system for protecting old-age provision products would address social issues but not lead to market distortion since deposits would then not be privileged among other old-age provision products.

Finally, it should be noted that during the public consultation conducted by the Commission last year, interest in potential exemptions from a fixed coverage level – including temporary high balances – was rather low (only half of the respondents replied to the questions on that issue). Most of those who responded (60 %) were against any exemptions because it was perceived as running counter to harmonisation of the coverage level and confusing for depositors. About two thirds of respondents argued that covering temporary high balances would be complicated, distorting competition and delaying the payout process.

Conclusion: Option 3, as compared to Option 1, is particularly effective as to the prevention of competitive distortion, i.e. reaching a level-playing field. Option 3 is not as effective as Option 2 to protect depositor wealth but more effective than Option 2 as to the avoidance of competitive distortions. In comparison with Option 2, Option 3 is very efficient since it saves administrative costs and limits contributions of banks to DGS. As regards cost efficiency of Option 2, it does not depend too much on a coverage level for THDB (€200 000, €300 000 or €500 000), but it depends quite heavily on a time limit for such protection (3, 6, or 12 months) (see Annex 9).

The preferred policy option is therefore Option 3. Moreover, Option 2 could be considered as well provided the time for THDB protection is limited.

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<sup>78</sup> [http://ec.europa.eu/employment\\_social/spsi/docs/social\\_protection\\_committee/final\\_050608\\_en.pdf](http://ec.europa.eu/employment_social/spsi/docs/social_protection_committee/final_050608_en.pdf).

| Operational objectives                       | Policy options   | Comparison criteria |            |           |
|--|--|---------------------|------------|-----------|
|  |  | Effectiveness       | Efficiency | Coherence |
| Determining an appropriate level of coverage | 1. Indefinitely maintaining exemptions for social considerations existing before 1 January 2008 (current approach) | 0                   | 0          | 0         |
|  | 2. Higher (limited in time) coverage for temporary high deposit balances   | ++                  | -          | +         |
|  | 3. Phasing out the grandfathering after a transition period without particular coverage of THDB                    | +                   | +          | +         |

### 7.3. Scope of coverage: eligibility of depositors

The following policy options were taken into account (of which Options 1 and 2 are mutually exclusive while the sub-options are cumulative):

- *Option 1 (current approach)*: Leaving all eligibility criteria to the discretion of Member States and mandatorily include only SME permitted to draw up an abridged balance sheet.
- *Option 2*: Harmonised approach to the eligibility criteria. The following sub-options have been considered:
  - (a) excluding enterprises in the financial sector, i.e. financial institutions, insurance companies, investment funds, pension funds;
  - (b) excluding authorities at all levels;
  - (c) including depositors having a relationship with the failed bank, like managers, directors, important shareholders (>5%), auditors (and their close relatives), companies in the same group, depositors that obtained special conditions aggravating the financial situation of the bank;
  - (d) including all enterprises.

If all categories of depositors were *included* (apart from banks and the depositors who opened their account anonymously that are excluded mandatorily), there would be an increase in contributions for each DGS of 7.6% and it would reflect into a maximum decrease in banks' operating profits of 1.1% at EU level. If all categories referred to in Annex I of the Directive were *excluded* from protection, contributions to DGS would decrease on average by 8.7% and consequently banks' operating profits would increase by around 0.7% at EU level (Annex 11a-c).

If costs were (in theory) fully passed on to depositors, an inclusion of all categories (the most expensive scenario for banks) would lead to a reduction of 0.02% in interest rates on savings or an average increase in current account fees of €0.5 per account per year. A partial inclusion of only some categories would presumably even have a lower impact.

Leaving the eligibility criteria to the discretion of Member States (Option 1) is ineffective as to ensuring appropriate coverage for all depositors in the EU, reducing differences in scope of coverage, enhancing depositor confidence, avoiding market distortions and improving depositor information (see Section 4.1.3).

Excluding enterprises in the financial sector (Option 2a) would have a rather limited impact<sup>79</sup> since they are already excluded in all Member States but for DK, GR, FI and UK<sup>80</sup>. Enterprises in the financial sector can assess the risk of their operations. Some investment funds associations argued in the public consultation that their deposits should be mandatorily covered by DGS since these deposits belong in the end to unit holders. The impact of bank failures on collective investment undertakings is already taken into account by Article 52(1)b of Directive 2009/65/EC<sup>81</sup>, which limits *any* investment (including deposits) to 20% of the fund's size. Such deposits are only covered in 3 Member States (DK, FI and SE)<sup>82</sup>.

Excluding authorities at central and local level (Option 2b) would have a limited impact since for the majority of them, the coverage level of €100 000 would be insignificant (around 83% of local authorities in the EU are estimated to have deposits of more than €50 000 and about 72% of more than €100 000). Since central authorities are likely to hold even higher deposits than local authorities, the impact on them would even be lower. The impact would also be limited because authorities are currently included only in 7 Member States (CZ, DK, FI, GR, LT, PL and SE<sup>83</sup>). The amount of their total deposits (i.e. before application of the coverage level) can be found in Annex 10e. Since in all other Member States they are excluded from coverage, this would not have any impact in 20 Member States. This corresponds to a rather small impact on each DGS (a decrease in contributions of 0.2% at EU level). The impact on banks' operating profits would be negligible (see Annex 11c). In particular, local and central authorities also have easier access to credits than citizens<sup>84</sup> and even if municipalities are technically insolvent, there will be means under national law to ensure that they can continue to fulfil their basic tasks towards citizens. Their limited number compared to all other depositors does also minimise the impact on financial stability in case of a bank failure.

Including depositors having a relationship with the failed bank (Option 2c) would have an impact on depositors in 20 Member States where they have been excluded. They are covered only in CY, DK, FI, PL, SK, SI and SE. Dropping the timely verification of eligibility criteria would contribute to a reduction of payout and of administrative costs for DGS, which would have to be borne by banks contributing to DGS. Only competent authorities and courts would decide about the individual responsibility for a bank failure. Since the number of concerned depositors seems very low, their inclusion would not lead to a significant increase of costs for DGS and banks and may even be counterbalanced by the savings of administrative costs. If,

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<sup>79</sup> Even though only the impact on certain categories of financial institution could be calculated, for the following assessment it is deemed that the impact on all kinds of financial institutions would not be significantly different. Furthermore, no data were available as to financial institutions in general, since they are a quite inhomogeneous group.

<sup>80</sup> On the contrary, if only insurance companies and pension funds were included into the scope of coverage, this would lead to an increase in contributions for most DGS (on average in the EU about 5%), and a decrease of banks' operating profit of 0.2% at EU level (see Annex 11b-c).

<sup>81</sup> Directive 2009/65/EC of the European Parliament and of the Council of 13 July 2009 on the coordination of laws, regulations and administrative provisions relating to undertakings for collective investment in transferable securities (UCITS), OJ L 302, 17.11.2009, p. 32.

<sup>82</sup> In DE, such deposits are included by mutual guarantee schemes. However, these schemes are not subject to the German legislation on DGS.

<sup>83</sup> However, in CZ and LT the average deposits of municipalities in these Member States are the lowest in the EU so that the impact there might be higher than in DK and SE (see Annex 10e). However, no data are available as to the covered deposits...

<sup>84</sup> Under Annex VI, no. 8, 9, 23, 29 and 32, of Directive 2006/48/EC, exposures to local authorities with a maturity of less than 3 months are assigned a risk weight of only 20% compared with a risk weight of 75% for retail exposures. This means that for short-term loans to authorities, banks have to maintain less own funds, which makes loans to local authorities more attractive.

however, these depositors were excluded, high investigation costs would be incurred with little savings due to their low number.

Including all enterprises regardless of their size (Option 2d) would have an impact on medium and large enterprises currently excluded in 13 Member States (AT, BE, DE, EE, IE, LU, MT, NL, PL, RO, SK, SI and UK)<sup>85</sup>. If they were included, contributions to DGS would increase by 1.3%. This would result in a 0.7% decrease in banks' operating profits at EU level (see Annex 11c). On the other hand, if only micro and small enterprises were covered as it is now the case, the contributions would drop by €254 million, i.e. by 13% (see Annex 11d).

Finally, as regards the public consultation conducted by the Commission last year, almost all respondents were in favour of harmonisation of eligibility criteria for depositors to ensure a level playing field. Nearly all respondents suggested excluding financial institutions (regarded as professional entities) and a clear majority was in favour of excluding all kinds of authorities (since taxpayers' money should not be covered by privately-financed DGS and authorities should be expected to behave reasonably in a crisis, thus minimising the risk of a bank run). Some suggested covering only local authorities because the coverage level of €100 000 would be significant to them. A majority suggested maintaining coverage for SMEs and excluding larger enterprises since they deemed €100 000 relevant to smaller companies. **Conclusion:** Options 2a-d are effective as regards creating a level playing field and ensuring a better protection of depositor wealth and they could highly contribute to reducing payout delay. In this context it should be noted that it is relatively easy to distinguish between categories of depositors but time-consuming and costly to distinguish within them. These options would also be efficient since they save administrative costs for verifications of eligibility during payout and only moderately increase contributions of banks to DGS.

The preferred policy options are therefore Options 2a-d.

| Operational objectives                        | Policy options  | Comparison criteria |            |           |
|---|---|---------------------|------------|-----------|
|   |   | Effectiveness       | Efficiency | Coherence |
| Reducing differences in the scope of coverage | 1. Leaving all eligibility criteria to the discretion of Member States (current approach) | 0                   | 0          | 0         |
|   | <b>2. Harmonised approach to the eligibility criteria</b>                                 | <b>+++</b>          | <b>++</b>  | <b>+</b>  |
|   | <b>2a. Excluding enterprises in the financial sector</b>                                  | <b>++</b>           | <b>++</b>  | <b>+</b>  |
|   | <b>2b. Excluding authorities</b>  | <b>++</b>           | <b>++</b>  | <b>+</b>  |
|   | <b>2c. Including depositors having a relationship with the failed bank</b>                | <b>++</b>           | <b>+</b>   | <b>+</b>  |
|   | <b>2d. Including all enterprises</b>  | <b>+</b>            | <b>+</b>   | <b>+</b>  |

#### 7.4. Scope of coverage: protected products

The following policy options were taken into account (they are cumulative, not mutually exclusive – except for Option 1):

- *Option 1 (current approach)*: Broad definition of deposits but discretionary exclusion of certain deposits: structured products and debt securities / liabilities arising out of own acceptances or promissory notes; allowing Member States to choose between DGS and ICS if products covered by both schemes are concerned by a bank failure.

<sup>85</sup> Based on the current criterion, i.e. the option to abridge balance sheets (see Annex B).



- *Option 2:* Excluding coverage of debt evidenced by a certificate issued by the same bank and debt securities and liabilities arising out of own acceptances and promissory notes (currently optional).
- *Option 3:* Excluding structured products whose principal is not repayable in full (currently unclear).
- *Option 4:* Including deposits in non-EU currencies (currently optional).
- *Option 5:* The approach to products covered by DGS and ICS: clarifying that in the event of a claim on a credit institution subject to both ICS and DGS, the claim should be dealt with by the DGS.

Retaining the current approach is ineffective (see Section 4.1.4) since depositors may choose the 'best DGS' covering the deposits they hold but not the 'best product or service'. The inclusion of products that have investment character could lead to a double protection of depositors under DGS and ICS and the identification of depositors and covered products would be complicated and therefore delay payout.

The impact of excluding debt certificates (Option 2) on depositors would be low since in all Member States but HU, LV and SE debt securities and liabilities arising out of own acceptances and promissory notes are excluded (see Annex B)<sup>86</sup>. Exclusion would only have an impact on depositors at banks registered in these three countries. The impact on DGS and, in turn, on banks financing them is that costs are lower since less deposits must be covered.

Structured products (Option 3) have not been defined in the Directive and it is unclear whether their coverage is required by the Directive or not<sup>87</sup>. However, they are only covered at a minority of DGS<sup>88</sup> so their exclusion would lead to only slightly lower costs for DGS and banks financing them as fewer deposits would have to be covered.

Deposits in non-EU currencies (Option 4) are covered in all Member States but for AT, BE, CY, DE, LT and MT. The only figures available on the amount of such deposits are from AT (7% of eligible deposits), BE (8% of total deposits), LT (11% of eligible deposits) and BG (14% of eligible deposits). However, in the public consultation conducted by the Commission last year, stakeholders from only few Member States referred to the importance of such depositors in their country. On the basis of an average of 5% of eligible deposits, this would lead to the rough estimation that there are €273 million of covered deposits in non-EU currencies in the EU. Correspondingly, DGS had to cover this additional amount. The impact

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<sup>86</sup> By nature, also mutual schemes cover them since they protect the bank as such and thus indirectly cover all liabilities of a bank.

<sup>87</sup> Since the current definition in Article 1(1) of the Directive focuses on repayable credit balances in an account, it could be argued that products that are not repayable in par would not fall under this definition.

<sup>88</sup> EFDI asked DGS whether deposits with embedded derivatives were covered with the result that the position of EFDI-members differs but if the terms of repayment are fixed and cover at least the originally paid-in capital then the DGS-protection works in all countries. But if there is a market risk to the capital amount, not only with the earning of interest but also linked to financial performances of share (or other) indices, the protection is not granted by the DGS in most of the countries. From the (not published) annex to the report on scope of coverage under national DGS (2008) it seems that such deposits are only covered in HU.

on banks contributions to DGS under the chosen target level 1.96% of eligible deposits (see Section 7.8) would be at maximum €5.3 million (€273 million x 1.96%).<sup>89</sup>

If the DGS Directive prevails over ICS in case of a double coverage (Option 5), depositors would be confident that deposits are always reimbursed under the DGS Directive. Compared to the 'worst case scenario' of the status quo (that a Member State chooses to reimburse depositors by using the ICS) depositors enjoy – under the current rules – a higher coverage (at minimum €50 000 and soon €100 000 compared to a current minimum coverage in the framework of ICS of €20 000 raised to €50 000). There is no impact on banks because the amount of covered deposits does not change – only the right to choose ceases to exist.

All options but Option 1 effectively reduce differences in the coverage level since they lead to harmonisation. Moreover, Options 3 and 4 ensure a high level of protection with a resulting higher depositor confidence into DGS. Options 2 and 3 contribute to reducing the payout delay. Options 3 to 5 lead to slightly higher costs but this should be more than outweighed by the gain in depositor confidence and financial stability.

During the public consultation conducted by the Commission last year, most respondents (about two thirds) were in favour of covering structured deposits. Opponents indicated the market risk incurred by such deposits and regarded them as investments that should only be covered by ICS and not DGS. As to debt certificates, a slight majority was against including them in the scope of deposit protection since securities should only be covered by ICS and that they are usually not redeemable before maturity, meaning that a run on banks caused by debt certificates would be unlikely. Proponents of including certificates highlighted their role as easily accessible savings products (important in some Member States). An overwhelming majority supported harmonising coverage for both structured deposits and debt certificates and having clear definitions of such products. Finally, most respondents (about three quarters) were in favour of coverage for non-EU currencies. Opponents emphasised the currency risk.

Conclusion: Options 2-5 are effective in order to achieve a level playing field and to reduce the payout delay. These options are also efficient since administrative costs will be saved and contributions can be expected to remain stable (higher contributions to cover non-EU currencies but lower contributions since structured products and debt certificates will not be covered). Option 5 is also coherent with the ICS Directive (see Annex C).

The preferred policy options are therefore Options 2-5.

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<sup>89</sup> The data in this paragraph are from the (not published) annex to the EFDI report on scope of coverage (see the previous footnote).

| Operational objectives  | Policy options                                   | Comparison criteria |            |           |
|---|--|---------------------|------------|-----------|
|   |  | Effectiveness       | Efficiency | Coherence |
| Reducing differences in the scope of coverage.<br>Providing alternative solutions to current topping up regime. | 1. Retain current approach (all optional)        | 0                   | 0          | 0         |
|   | 2. Exclude structured products not repaid at par | +                   | +          | +         |
|   | 3. Exclude debt certificates                     | +                   | ++         | +         |
|   | 4. Include accounts in non-EU currencies         | +                   | -          | +         |
|   | 5. DGS prevails over ICS                         | +                   | -          | +         |

## 7.5. Payout delay and modalities

The following policy options were taken into account as regards the payout delay (Options 1-4 are mutually exclusive):

- *Option 1 (current approach)*: Retaining the payout delay of 20-30 working days (from end-2010 onwards). DGS can require depositors to submit application forms on paper.
- *Option 2*: Emergency payout (e.g. €10 000 in 3 days), but retaining the standard delay of 20-30 working days for the exceeding deposits.
- *Option 3*: Reducing the payout delay to one week, i.e. 7 calendar days<sup>90</sup> (without extension) after a transition period of 3 years. Payments by DGS on their own initiative without the need for applications<sup>91</sup>. Requirements for banks to tag eligible deposits and to provide a single customer view aggregating all deposits of a depositor.
- *Option 4*: Requiring a transfer of deposits to another bank or a bridge bank within the one-week delay set in Option 3 (if the transfer is not feasible, Option 3 should be applied).

The following policy options were taken into account as regards payout modalities (Options 5-8 are cumulative, but their sub-options are mutually exclusive):

- *Option 5*: Payout of covered deposits must be made:
  - in the currency chosen by the DGS concerned (*current approach*);
  - in the same currency as the deposits were paid in;
  - in the currency of the DGS (counter value of the deposits on date of payout).
- *Option 6*: Interests that have not been credited at the time of a bank failure:
  - are paid or not, within the discretion of the Member States (*current approach*);

<sup>90</sup> It would lead to a clear definition of the payout delay, not blurred by different dates of national holidays in Member States and possibly different definitions of a 'working day'.

<sup>91</sup> Without prejudice to request to depositors to (preferably electronically) indicate their new account if necessary (unless e.g. cheques are used for payout).

- (b) are paid out according to the rate agreed with the bank until the date of failure but replaced with interest payments on the basis of current average market rates if interest cannot be calculated with reasonable efforts;
  - (c) are not paid by the DGS at all.
- *Option 7: Dealing with small deposits:*
    - (a) all deposits regardless of their size must be paid out by DGS in full up to the coverage level (*current approach*);
    - (b) introduction of a 'de minimis' rule (i.e. deposits below a certain size, e.g. €10 or €20, would not have to be paid out).
  - *Option 8: Set-off arrangements:*
    - (a) set-off and counterclaims unlimited but optional (*current approach*);
    - (b) limiting set-off to claims that have fallen due or are delinquent;
    - (c) discontinuing set-off for depositors, but limiting set-off in the insolvency procedure (against the DGS that has subrogated into the depositors' claims against the bank);
    - (d) discontinuing set-off completely.

Retaining the current approach (Option 1) would mean that depositors have to wait 1 month to 6 weeks for their money. This delay would likely lead depositors to withdrawing their money and running on a bank in order to avoid this delay.

The option stipulating an emergency payout (Option 2) would mean that DGS would have to pay out twice (for most depositors, i.e. those who have more deposits than e.g. €10 000). Even though the costs assigned to payout (stemming from involving human and technical resources) cannot be precisely estimated due to the lack of data, they would likely almost double as a result of making the payout exercise twice. Making a rapid payout without a proper verification of claims (due to time pressure) may result in a relatively high rate of erroneous payments compared to normal circumstances. As a result, it would involve further costs for DGS – stemming from involving resources required to recover erroneously paid money. It may be practically very difficult and time consuming as it would likely force DGS to challenge claims before the courts. It would also make false impression of DGS incompetence. In general, making an emergency payment would send a very negative market signal to depositors who could think that the DGS does not have sufficient funds to pay the whole amount; this, in turn, could lead to contagious effects and a run on banks.

As to reducing the payout delay to one week (without extension) after a transition period (Option 3), it would entail tagging eligible deposits (i.e. marking them in bank books so that, in case of a bank failure, no eligibility test has to be made), data cleansing (i.e. any IT and manual data cleansing undertaken - e.g. postcode or date of birth of accounts' holders - to allow the unique identification of a customer) and creating a single customer view (i.e. a comprehensive identification of the complete position of each depositor). They have been

identified in the UK study<sup>92</sup> as indispensable for a payout within a week<sup>93</sup>. The cost analysis conducted for the UK and extrapolated to the EU suggests that tagging would incur one-off costs for EU banks around €1.1 billion, data cleansing about €1.7 billion and the single customer view about €3.5 billion. These total costs of €6.2 billion are assumed to be faced over 5 years (thus, annual costs would be about €1.2 billion)<sup>94</sup>. They are expected to be higher for medium-sized banks than for large ones (see Annex 12d). The above costs would translate in an average 1.4% decrease of bank operating profits at EU level. In the unlikely case that all those costs were passed on to depositors, it would mean a 0.02% decrease in interest rates on savings or an increase in bank fees of less than €2 per year per account (see Annex 12 e-f). However, the single customer view would also lead to benefits for banks since they would better know their customers and could offer them products they have not bought yet.

The option requiring the transfer of deposits to another bank or a bridge bank within one week (Option 4) goes beyond the typical DGS mandate in the EU and is typically part of a bank resolution.<sup>95</sup> This option is similar to the insured deposit transfer (IDT) transaction used in the US as an alternative to the straight deposit payoff; it may ensure the continuity of service to depositors<sup>96</sup>. This option is also similar to the purchase and assumption (P&A) transaction<sup>97</sup>, which is the preferred resolution method used for failing banks in the US (deposit payoffs are only used when no acquiring institution can be found or if a bid for a P&A transaction is not the least costly option to the insurance fund)<sup>98</sup>. More recently, the 2009 Banking Act in the UK created the Special Resolution Regime (SRR) which allowed the UK authorities to transfer all or part of a bank to a private sector purchaser, and to transfer all or part of a bank to a bridge bank (a subsidiary of the Bank of England) pending a future sale<sup>99</sup>.

As regards the currency used for payout of deposits, Option 5b would not lead to costs for the depositor but for the DGS that may have to bear currency risk and transaction costs. Option 5c

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<sup>92</sup> Ernst & Young, Fast payout study – final report, November 2008 (report commissioned by the FSA, BBA and FSCS, available at [http://www.fsa.gov.uk/pubs/other/fast\\_payout\\_report.pdf](http://www.fsa.gov.uk/pubs/other/fast_payout_report.pdf)).

<sup>93</sup> For example, it was stated that the lack of common unique customer identifiers in many UK banks (such as e.g. the social security number used by the FDIC in the US) slowed down calculation of compensation across multiple accounts held by a customer. In this context, creating a single customer view (SCV) was indicated as a key factor to allow faster calculation of individual compensation (see *ibid*).

<sup>94</sup> However, if eligibility criteria are radically simplified, the costs can even be expected to be lower since the tagging will be made easier and nearly obsolete (as only financial institutions, authorities and structured products are excluded which should be easy to identify).

<sup>95</sup> See COM(2009)561.

<sup>96</sup> The IDT transaction was created by the FDIC in 1983. In an IDT, the insured deposits and secured liabilities of a failed bank are transferred to a healthy institution or institutions – the so-called 'agent institution(s)'. The agent institution does not assume the direct liability in regard to these deposits; it acts as a 'paying agent' on behalf of the FDIC and disburses insured funds to depositors (it reduces the FDIC's costs to handle the failure). If a depositor requests it, the agent institution may open an account for them, which means that service to customers with insured deposits continues uninterrupted. See FDIC Resolutions Handbook (<http://www.fdic.gov/bank/historical/reshandbook/ch4payos.pdf>) or FDIC Claims Manual (<http://www.fdic.gov/about/freedom/DRRClaimsManualVol1.pdf>).

<sup>97</sup> A P&A is a resolution transaction in which a healthy institution purchases some or all of the assets of a failed bank or thrift and assumes some or all of the liabilities, including all insured deposits. A popular type of P&A is a bridge bank (introduced in the US in 1987), i.e. a newly created national bank designed to maintain the operations of a failed bank until a more permanent solution, i.e. an acquisition of the failed bank by a third party (<http://www.fdic.gov/bank/historical/reshandbook/ch3pas.pdf>).

<sup>98</sup> *Ibid* and <http://www.fdic.gov/about/strategic/report/2008annualreport/ARfinal.pdf>. During the current financial crisis P&A transactions have also been widely used by the FDIC.

<sup>99</sup> For more details: [http://www.bankofengland.co.uk/financialstability/role/risk\\_reduction/srr/index.htm](http://www.bankofengland.co.uk/financialstability/role/risk_reduction/srr/index.htm), [http://www.bankofengland.co.uk/financialstability/role/risk\\_reduction/banking\\_reform\\_bill/index.htm](http://www.bankofengland.co.uk/financialstability/role/risk_reduction/banking_reform_bill/index.htm).

would have the inverse impact on depositors and DGS. Option 5c would make it less attractive for euro-area depositors to hold deposits with a bank registered in a Member State outside the euro area. In turn, this would affect competition within the Internal Market. Option 5b would consequently put banks outside the euro area on an equal footing with banks from the euro area.

As to interests that have not been credited at the time of a bank failure, Option 6b would lead to costs for the depositor only if interest cannot be calculated. As to structured deposits, the calculation of the interest payment may be difficult and time-consuming or sometimes may even not be calculable at all. In order to avoid a negative impact on the duration of payout, in such cases the DGS would be permitted to pay interest on the basis of current average market rate. It would of course lead to costs for the DGS and contributing banks. Option 6c would not lead to costs for the DGS but for the depositors. The impact of Option 6c on depositors and DGS would be high since currently, two thirds of DGS pay interest until the date of failure; those paying longer apply a fixed rate, a market rate or the originally agreed rate<sup>100</sup>. However, impact of Option 6c on the possibility of bank runs may be low since interest rates on current accounts are normally quite low and the withdrawal of savings deposits may – pending their conditions – lead to reduced interest payments.

The introduction of a 'de minimis' rule (Option 7a) would cause insignificant losses for depositors but may lead to saving administrative costs of DGS and reducing the payout delay. However, it may also lead to undermining depositor confidence since they may doubt whether their money is fully safe if some (even small) amounts are not to be paid out. If so, it may provoke a run on banks. It would also be difficult to set a 'de minimis' threshold since, keeping in mind different purchasing power in Member States, it might be perceived in one Member State as irrelevant but in the other Member State as not negligible. Moreover, there are not only benefits stemming from the application of the 'de minimis' rule, i.e. savings for DGS (amounts that have not been paid out), but also administrative costs to determine the amounts under the 'de minimis' threshold that are not eligible for payout. The analysis has shown that the additional administrative costs to identify such deposits would likely be substantially higher than the potential savings (see Annex 24).

Finally, in order to assess the impact of policy options related to set-off arrangements (Option 8), it is necessary to explain the legally complex follow-up to a bank failure. According to the Directive, DGS subrogate to depositors' claims against banks. In order to refinance themselves, DGS then try to get at least a part of these claims in the insolvency procedure.

Pending national insolvency legislation, two scenarios can be distinguished. If the liability of the customer (i.e. the claim the bank has against him or her) is sold by the insolvency practitioner to another entity, nothing changes for the DGS since the price paid by the buyer of the claim will be used to pay the creditors of the failed bank (i.e. also the DGS). However, in some Member States, the insolvency practitioner can or even must set off claims against the bank (i.e. deposits now claimed by the DGS instead of the depositor) against liabilities (i.e. the claim against the depositor). If the insolvency practitioner exerts this right, the DGS would not receive the amount that has been set-off and might thus have refinancing problems, leading to higher funding needs. The payment of the DGS to the depositor would remain untouched. DGS would in such a case have paid off the liability.

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<sup>100</sup> EFDI Report on improvement of payment delays to depositors and promotion of best practices, p.40.

In order not to reduce DGS' efficiency, where they would later suffer from set off against the bank by the insolvency practitioner, there are two possible safeguards: either the insolvency practitioner is only permitted to set off against the deposits above the coverage limit so that the DGS would remain unaffected, or DGS enjoy priority above other creditors in the insolvency procedure (like in the US or Switzerland – see Section 7.8). Due to the different insolvency laws throughout the EU, it would be left to Member States to amend their insolvency law accordingly under option 8c.

The impact of abandoning set-off would be relatively low but would depend how set-off is understood. Set off may refer to a set off of claims either against all liabilities or against due liabilities. In the latter case, in general only a monthly instalment would be set off (and in only few cases a higher amount in case of payment difficulty), which leads to a very low impact. If the whole liability can be set off, the impact is higher but still limited. The following figures should be seen as a worst-case scenario that is likely to be quite far away from the real impact since reliable data on the correlation between deposits and loans were not available. On the basis of the EU-average amount of deposits, the EU average impact would be an increase of payments of 3.5% only and not exceeding 11.4% in any Member State. Second, among the (only four) Member States providing own estimates, in three countries the estimated impact is very low (between 0.2% and 7.3%)<sup>101</sup>.

As regards the public consultation conducted by the Commission last year, a clear majority of respondents (over 60%) were against further reducing the payout delay, but many (almost 30%) were in favour of shortening it to one week (with a few suggesting an even shorter period). Respondents were quite equally divided as to a transfer of deposits to another bank or an emergency payout (slightly more in favour of one or both of the above solutions than against them). Regarding payout modalities, a half of the respondents were of the view that deposits should be paid out in the same currency as they were paid in, most respondents (over 60%) were in favour of paying interest that has not been credited at the time of failure or until insolvency proceedings are opened, while the others (about a quarter) would prefer leaving it to the discretion of Member States. A large majority supported 'tagging' eligible depositors when an account is opened and regularly updating this information on account statements. More respondents were in favour of introducing a 'de minimis' rule than those against. Respondents were fairly equally divided between those in favour of DGS payments made only after applications are received from depositors and those in favour of payments by DGS on their own initiative. Finally, most respondents (about 60%) supported discontinuing set-off for payout of depositors or limiting it significantly (e.g. only to claims that have fallen due or are delinquent). However, many contributors (more than 35%) believed that the current approach should be retained.

*Conclusion:* As to payout delay, Options 3 and 4 would be very effective to maintain depositor confidence and financial stability since depositors would have quick access to their money after a bank failure and, in turn, they would probably refrain from running on their banks (however, the feasibility of the latter option depends on the future works on bank resolution in the EU). As to payout modalities, the following set of options would ensure maintaining depositor confidence: payout in the same currency as the deposits were paid in, interest paid by DGS, no 'de minimis' rule, discontinuing set-off for depositors but limiting it in the insolvency procedure (Options 5b, 6b, 7a and 8c).

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<sup>101</sup> HU estimates the impact quite high (40-50%). However, this figure cannot be confirmed by evidence but it shows that the results should be interpreted carefully.

As regards the efficiency of policy options, Options 1 and 2 are not efficient as they involve various direct or indirect costs that outweigh the benefits (e.g. double work of DGS in case of Option 2). On the contrary, in case of Option 3, the benefits (mitigating the risk of bank runs) seem to outweigh the costs (quite significant administrative costs for DGS and banks). Also, Option 4 would be very efficient provided DGS in the EU are more involved in bank resolution (as this is the case e.g. in the US). As to payout modalities, Options 5c and 6c are likely to involve social costs stemming from bank runs as a result of financial losses expected by depositors (currency risk, unpaid interests). Option 7b would only be efficient for DGS if there are a high number of accounts with very low amounts of money, a situation for which no evidence was found. Option 8b would incur fewer costs than Options 8c and 8d, but the benefits of the latter two options (avoiding bank runs, public welfare) seem to outweigh these costs. Option 8c would allow Member States with an incompatibility between abandoning set-off and their insolvency laws (according to our information only DE) to adapt their insolvency law accordingly.

Options 1 and 2 referring to working days would be incoherent with other EU policies because no other EU financial services legislation uses this term.

Therefore, Options 3, 5b, 6b, 7a and 8c are currently preferred. In the future, depending on the progress in the area of bank resolution, Option 4 could be considered as well.

| Operational objectives              | Policy options    |  | Comparison criteria |            |           |
|-------------------------------------|-------------------|--|---------------------|------------|-----------|
|                                     |                   |  | Effectiveness       | Efficiency | Coherence |
| Ensuring adequate payout procedures | Payout delay      | 1. Retaining the current approach  | 0                   | 0          | 0         |
|                                     |                   | 2. Emergency payout (e.g. €10 000 within 3 days)   | ++                  | -          | 0         |
|                                     |                   | <b>3. Payout delay of 7 calendar days (after a transition period of 3 years)</b>   | +++                 | +          | ++        |
|                                     |                   | 4. Transfer deposits to another bank or a bridge bank  | +++                 | ++         |           |
|                                     | Payout modalities | 5A. Payout in the currency chosen by the DGS concerned (current approach)  | 0                   | 0          | 0         |
|                                     |                   | <b>5B. Payout in the same currency as the deposits were paid in</b>  | + / -               | +          | +         |
|                                     |                   | 5C. Payout of covered deposits in the currency of the DGS  | + / -               | + / -      | +         |
|                                     |                   | 6A. Interests paid or not - MS' discretion (current approach)  | 0                   | 0          | 0         |
|                                     |                   | <b>6B. Interests paid out according to the rate agreed with the bank until the date of failure</b>                           | +                   | +          | +         |
|                                     |                   | 6C. Interest not paid by the DGS at all  | -                   | + / -      | -         |
|                                     |                   | <b>7A. All deposits regardless of their size must be paid out by DGS in full up to the coverage level (current approach)</b> | 0                   | 0          | 0         |
|                                     |                   | 7B. Introduction of a 'de minimis' rule  | +                   | + / -      | -         |
|                                     |                   | 8A. Set-off and counterclaims unlimited but optional (current approach)  | 0                   | 0          | 0         |
|                                     |                   | 8B. Limiting set-off to claims fallen due or delinquent  | +                   | ++         | +         |
|                                     |                   | <b>8C. Discontinuing set-off for depositors, but limiting set-off in the insolvency procedure</b>                            | ++                  | +++        | +         |
|                                     |                   | 8D. Discontinuing set-off completely   | ++                  | ++         | +         |



## 7.6. Capability of DGS to deal with payout situations

The following policy options were taken into account (Options 2 and 3 are cumulative but alternative to Option 1; sub-options are cumulative):

- *Option 1 (current approach)*: No particular rules on exchange of information between DGS as well as between DGS and competent authorities and/or member banks (DGS are only informed about a likely bank failure *if appropriate*); no disclosure requirements; stress testing required in general.
- *Option 2*: Exchanging of information between DGS, competent authorities and banks:
  - (a) requiring competent authorities to inform DGS *by default* if a bank failure becomes likely;
  - (b) requiring banks and DGS to exchange information domestically and cross-border on depositors through a common interface in a way which is unfettered by confidentiality requirements.
- *Option 3*: Disclosure requirements for DGS:
  - (a) requiring DGS to regularly disclose the amount of ex-ante funds, their ex-post financing capacity, their workforce and the result of *regular* stress testing exercises and of a regular peer review among DGS;
  - (b) making the above disclosure a precondition for providing cross-border services and/or the establishment of branches.

Retaining the current approach (Option 1) would lead to difficulties since a shorter payout delay cannot be achieved by merely introducing a legal requirement to pay within a one-digit number of days. If no further measures such as rules on exchange of information, disclosure requirements and stress testing are taken, a short payout could not be achieved even if the delay were reduced by law. Moreover, the above measures ensure that DGS properly function at all, not only with regard to a quick payout.

As to exchanging of information between DGS, competent authorities and banks, Option 2a – requiring supervisors to inform DGS *by default* if a bank failure becomes likely – would involve DGS as soon as possible in order to prepare payout. Keeping in mind that DGS are main actors in the payout process (see Annex 12 a-c), their early involvement and improving the information flow between competent authorities and DGS are crucial factors for quick payout<sup>102</sup>. There would be insignificant costs for transmitting information. The margin of discretion whether it is appropriate for competent authorities to inform DGS at an early stage (i.e. if a failure becomes likely) creates uncertainty. The only argument for the inappropriateness to inform a DGS could be confidentiality. However, this issue could easily

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<sup>102</sup> In this context, it is worth to note that in the US, the FDIC – that acts both as a supervisor and paybox – is involved at a very early stage (when the leverage ratio of a bank is below the minimum required by law and its failure is impending or inevitable if the situation is not corrected within 90 days). During this 90-day pre-closing period, the FDIC has the opportunity to review bank financial information, make preliminary insurance determination and least-cost test, choose the method of resolution, etc. Then, if a deposit payoff is needed, it is made very quickly (within 1-2 business days). For more details, see e.g. FDIC Claims Manual (<http://www.fdic.gov/about/freedom/DRRClaimsManualVol1.pdf>).

be overcome if DGS are public entities governed by officials subject to professional secrecy. This may be different if banks (i.e. competitors of the bank in jeopardy) are represented in the board of a DGS or make available their workforce to it, e.g. by detaching some of their employees to the scheme. However, in this case Member States could be required to ensure that there are 'Chinese walls' in order to avoid any leakages of information or – even more effective – that there are no employees of other banks involved at all. The relevance of this argument is, however, questionable. In the case of DGS that can play a role in bank resolution, DGS must be informed anyway at an early stage. In most DGS with such a broad mandate, banks are actually represented in the board<sup>103</sup>. However, early action may lead to administrative costs for DGS if the bank does not fail but will be rescued.

Option 2b would enable DGS to start their work and to exchange information with banks as soon as possible in order to prepare payout. This option would ensure that information can be exchanged electronically without major problems, e.g. the conversion of databases. It would lead to costs both for banks and DGS.

As regards disclosure requirements for DGS, Option 3a would exert peer pressure and the pressure of the public on the DGS to be organised in a way that it can meet a very short payout delay. By means of regular stress testing DGS would know whether they have to improve their systems. Depositors and also competent authorities in other Member States would be informed about how solid a DGS which protects depositors of a branch in another Member State is. The peer review could be performed by the EBA with the participation of EFDI. It was argued (mainly from countries where few details about DGS are published) that such information would scare depositors and undermine DGS credibility since the funds available to them would never be equivalent to deposits. If some DGS fear that, they could explain why this is the case and that – like in the financial crisis – political decisions would have to be made whether and how to save a bank. Option 3b would make the establishment of branches dependent on disclosure of the above information. This would restrict the freedom of establishment.

During the public consultation conducted by the Commission last year, a clear majority of respondents (about 70 %) supported involving DGS at an early stage, notably in cases likely to trigger DGS. Half of respondents were of the opinion that DGS should have access to relevant bank records when the schemes are notified by the competent authorities, while others (about a quarter) were against. More respondents were in favour of than against as regards establishing a common interface between DGS and banks, but they believed it should be restricted to the minimum necessary and subject to confidentiality provisions. Most respondents were also in favour of stress testing and regular peer reviews among DGS, but there was no agreement on regular disclosure of key information by DGS (e.g. the amount of ex-ante funds, their workforce, result of stress tests, etc.).

*Conclusion:* Option 1 would be both ineffective and inefficient in terms of shortening the payout delay and preventing bank runs. Options 2a and 2b would be effective to ensure information of DGS at an early stage that is crucial for a quick payout. Option 3a would also be effective in ensuring a quick payout as well as depositor confidence and financial stability.

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<sup>103</sup> IT: [http://www.fitd.it/chi\\_siamo/organi\\_consortili.htm](http://www.fitd.it/chi_siamo/organi_consortili.htm);  
ES: [http://www.fgd.es/es/info\\_regulacion\\_sistema2.html](http://www.fgd.es/es/info_regulacion_sistema2.html);  
PL (representatives of banking associations):  
[http://www.bfg.pl/doc\\_media/wezel\\_807/100\\_ustawa-bfg-1994.pdf.pdf](http://www.bfg.pl/doc_media/wezel_807/100_ustawa-bfg-1994.pdf.pdf);  
PT (representative of banking association): [http://www.fgd.bportugal.pt/default\\_e.htm](http://www.fgd.bportugal.pt/default_e.htm).

Disclosure, in general, would make DGS more credible (however, disclosure of some specific information, e.g. the results of stress testing could be both effective and ineffective – similarly to Option 3b). All but Option 1 are efficient (with benefits outweighing rather insignificant or moderate costs). Only Option 2b would be costly, but the benefits of depositor confidence and financial stability are expected to outweigh the costs for banks and DGS. Finally, all but Option 3b are coherent with other EU legislation (CRD, data protection law). Option 3b raises legal issues as to the freedom of establishment stipulated in the Treaty.

The preferred policy options are therefore Options 2a, 2b and 3a.

| Operational objectives                                       | Policy options  | Comparison criteria |            |           |
|--|---|---------------------|------------|-----------|
|  |   | Effectiveness       | Efficiency | Coherence |
| Ensuring that DGS are capable to deal with payout situations | 1. No particular rules on exchange of information between DGS, competent authorities and banks, no disclosure requirements, stress testing required in general (current approach)   | 0                   | 0          | 0         |
|  | <b>2a. Requiring competent authorities to inform DGS by default by when triggering of DGS becomes likely</b>  | +++                 | +++        | +         |
| Involving DGS at an early stage                              | <b>2b. Requiring DGS and their member banks to have a common interface to quickly exchange information</b>  | ++                  | ++         | +         |
| Improving information exchange between banks and schemes     | <b>3a. Requiring DGS to regularly disclose the amount of ex-ante funds, the workforce and the result of regular stress testing exercises and of a regular peer review among DGS</b> | + / –               | ++         | +         |
|  | 3b. Making such disclosure a precondition for cross-border services or establishment of branches  | –                   | n.a.       | –         |

\*n.a. – efficiency (cost-effectiveness) of a measure cannot be estimated if the measure is inconsistent with the existing EU legislation

## 7.7. Depositor information

The following policy options were taken into account as to depositor information (Options 2 and 3 are cumulative but alternative to Option 1):

- *Option 1 (current approach)*: Member States decide how depositors are informed about DGS coverage, and how to prevent the use of information advertising to affect financial stability.
- *Option 2*: Depositors must countersign information given before entering into a contractual relationship and receive a copy. This information is harmonised by means of a template enumerating specific elements of information<sup>104</sup> and it would be given in the language chosen by the depositor.

(a) a template is annexed to the Directive;

<sup>104</sup>

Name and address, telephone and website/e-mail of the scheme; function (i.e. DGS, mutual or voluntary scheme) and explanation of the function including the payout delay; level of coverage, treatment of joint and trust accounts, aggregation of several accounts at the same bank even if banks are trading under different names (if relevant, identification of several brands of the bank concerned); scope of coverage; eligibility of depositors; explanation how a depositor can claim reimbursement.

- (b) the template is to be developed by stakeholders and adopted as an Implementing Measure under Article 290 of the Treaty on the functioning of the EU.
- *Option 3*: There must be a reference to DGS if a product is covered in advertisements and account statements. Advertising shall be restricted to a factual reference to the scheme to which a credit institution belongs.

As correspondence and research in Member States have shown (see Section 4.3), the current approach (Option 1) is ineffective since depositors are not sufficiently informed about the function and coverage of the DGS responsible for them.

A template that has to be countersigned (Option 2) would lead to EU depositors receiving the same information. Costs incurred by a template (i.e. printing and processing/filing costs) would not seem substantial. If contracts are concluded online, costs would be even lower.

A reference in advertisements and account statements (Option 3) would complement Option 2 with regard to potential depositors or depositors who signed a contract long ago. Information should be limited to the necessary, i.e. a mere reference to the DGS and its web site. This is already optional under current law. It would ensure that depositors know that a product is covered and, if the reference is missing, that it is not covered. Additional costs for banks are not substantial since this short reference would not take much payable advertising space. Costs for marketing material to be discarded or reprinted do not seem significant. Mentioning DGS in account statements would add a further line to statements of account as is now the case for IBAN and BIC on statements of current accounts<sup>105</sup>. The eligibility of the accountholder would be implicitly confirmed by this statement.

As regards the public consultation conducted by the Commission last year, most respondents (about two thirds) supported developing a template for standardised information (possibly annexed to the Directive) to ensure that all depositors get the same or similar information. However, there were mixed views on when and how depositors should be informed. Most respondents (40 %) preferred retaining the current approach, but many (30 %) were in favour of making reference to information on DGS on account statements and/or requiring depositors to countersign information on DGS before depositing money at a bank. Less support (15 %) was expressed for making reference to such information in advertisements, notably if mandatory. In general, requests were made to keep information brief and clear and to strike a balance between raising depositor awareness and costs for banks.

Conclusion: Options 2a and 3 are effective in clarifying and elaborating depositor information and efficient with low expected costs and high benefits as to the information of depositors and consequently, depositor confidence.

The preferred policy options are therefore Options 2a and 3.

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<sup>105</sup> For example: "This deposit is covered by the DGS [reference to DGS website] up to €100 000. This limit applies per depositor and per bank [including brand names ...]."

| Operational objectives                                      | Policy options  | Comparison criteria |            |           |
|---|---|---------------------|------------|-----------|
|   |   | Effectiveness       | Efficiency | Coherence |
| Clarifying and elaborating information obligations of banks | 1. Retaining the current approach   | 0                   | 0          | 0         |
|   | 2. Developing a standard template including specific information for depositors | ++                  | +          | ++        |
|   | 3. Requiring a reference to DGS in advertisements and on statements of account  | ++                  | +          | ++        |

## 7.8. Funding mechanisms and levels

The following policy options were taken into account (Options 2 and 3 are cumulative but alternative to Option 1; Options 4 and 5 are cumulative to Options 1, 2 or 3):

- *Option 1 (current approach)*: No harmonisation of funding mechanisms and no particular requirements on DGS funding levels.
- *Option 2*: Harmonised approach to selected elements of DGS funding:
  - (a) a target level for the total (ex-ante and ex-post) funds that should be available to DGS in order to make them able to cope with a bank failure of a certain size (e.g. a mid-size or big failure); ex-post funds would be needed if the number of amount of payouts would necessitate it;
  - (b) a limit for ex-post funds (to ensure that ex-post funds would not be collected without limits during a crisis as it could negatively influence healthy banks);
  - (c) a limit for borrowing by DGS<sup>106</sup>.
- *Option 3*: Harmonised approach to funding mechanisms and levels, i.e. making ex-ante funding mandatory supported by ex-post funding (other elements, such as the contribution base, the scope of coverage, the target level and limits for ex-ante/ex-post funds, need to be harmonised as well) – to be achieved within a specified period of time (e.g. 5 or 10 years since an immediate high target level could not be achieved by banks in Member States with ex-post financed DGS).
- *Option 4*: Using the liquidity remaining in a bank at the time of failure to reimburse depositors. This would necessarily entail that depositors are privileged (at least up to the coverage level) over all other creditors in the insolvency proceedings. Such a regime is in place in Switzerland<sup>107</sup> and also in the US<sup>108</sup>.

<sup>106</sup> Borrowing has in practice included borrowing from the state/public authorities.

<sup>107</sup> See <http://www.efd.admin.ch/00468/index.html?msg-id=29000&lang=de>.

<sup>108</sup> In the US, the law of 1993 (National Depositor Preference) gave payment priority to depositors, including the FDIC as subrogee, over general unsecured creditors. Claims against the failed bank are paid from monies recovered by the receiver through its liquidation efforts. Under the above law, claims are paid in the following order of priority: (1) administrative expenses of the receiver; (2) deposit liability claims (the FDIC claim takes the position of all insured domestic deposits); (3) other general or

- *Option 5*: Limiting the annual maximum contribution to DGS

Retaining the current approach (Option 1) would maintain the drawbacks of the existing framework linked to the co-existence of both ex-ante and ex-post DGS: an unlevel playing field between banks operating in Member States with ex-ante and ex-post DGS, procyclicality as ex-post DGS requires banks to pay all – sometimes very high – contributions in times of financial stress, etc (see Section 4.4). Moreover, in bad times, it is more difficult to receive any additional funds in financial markets; therefore, if DGS are not sufficiently funded, it may result in the need to use the taxpayer money. Finally, without specific requirements on the level of funding, some DGS (not only ex-post ones but ex-ante ones as well) would likely remain undercapitalized, as this is the case today.

As regards the harmonised approach to a target level for the total funds (Option 2a), it is assumed in the Commission (JRC) research that the choice of a target level for the funds may be related to the capability of DGS to handle a bank failure of a specific size based on bank recapitalisations by Member States during the financial crisis (from a small failure to a big one – ranging from 0.36% and 7.25% of the amount of eligible deposits respectively). In particular, the following scenarios have been analysed:

**Table 3: Analysed scenarios as to the target level for the total funds**

| Scenarios  |  | Size of the failure<br>(% of the total amount<br>of eligible deposits) |
|--|--|--|
| <b>Scenarios based on the size of a failed banks</b> |  |  |
| <b>Big bank failure</b>                              | Failure of a big member bank (average of top-10 member banks, funds to be collected in 10 years)     | <b>7.25%</b> <sup>109</sup>  |
| <b>Small bank failure</b>                            | Failure of a small member bank (average of other than top-10 banks, funds to be collected in 1 year) | <b>0.36%</b>   |
| <b>Scenarios based on DGS payout</b>                 |  |  |
| <b>Big DGS payout</b>                                | Maximum cost to DGS for a failure occurred in the EU MS in 2008 (funds to be collected in 10 years)  | <b>1.96%</b>   |
| <b>Medium DGS payout</b>                             | Average costs to DGS for a failure occurred in the EU MS in 2008 (funds to be collected in 1 year)   | <b>0.60%</b>   |

Source: Joint Research Centre.

The impact of adopting target levels that would allow DGS to cope with bank failures corresponding to those from the above table has been measured by comparing incurred costs with both ex-ante and ex-post funds. The main findings are summarized below (see also Annexes 14-17):<sup>110</sup>

- Considering the target level allowing DGS to cope with the biggest failure (i.e. 7.25% of eligible deposits to be achieved in 10 years), two Member States would be able to handle this failure with the funds at their disposal (ex-ante). Considering both ex-ante funds and

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senior liabilities of the institution; (4) subordinated obligations; (5) shareholder claims (<http://www.fdic.gov/bank/historical/reshandbook/ch7recvr.pdf>).

<sup>109</sup> This is the simple average of the data from 32 DGS in 21 Member States (the average weighted according to eligible deposits is very similar, i.e. 7%).

<sup>110</sup> The figures in the below bullet points describe in principle the impact in normal times when only ex-ante contributions are collected. The impact in a crisis situation, when also ex-post contributions need to be collected (up to the maximum limit – see further part of this section) is presented in Table 4 and Annex 14.

additional contributions, and assuming to collect all contributions in 10 years, 4 Member States would be able to handle such a failure (see Annex 15). From the banks' perspective, this would translate into a decrease of 29% in operating profits at EU level. As to the impact on depositors at EU level, interest rates on savings would be reduced of about 0.35% or current account fees would increase by around €1 per account per year (see Annex 14).

- As regards the target level allowing DGS to cope with a medium-sized failure in a crisis (1.96% of eligible deposits to be achieved in 10 years – as in the 'big DGS payout' scenario), seven Member States would be able to handle this failure with their ex-ante funds, and 14 Member States would be able to handle this failure when considering additional funds (see Annex 15). From the banks' perspective, this would translate into a decrease of less than 5% in operating profits at EU level. From a point of view of consumers, the impact at EU level would be a reduction of about 0.04% in the interest rates granted on deposits and/or an average increase of €4.5 per account per year in bank fees (see Annex 14).
- Finally, as to the target level allowing DGS to cope with the smallest failure in a crisis (0.36% of eligible deposits to be achieved in 1 year), 15 Member States would be able to handle this failure with ex-ante funds and 17 Member States would be able to handle this failure when considering additional funds (see Annex 15). From the banks' perspective, this would translate into a decrease of less than 5% in operating profits at EU level. From a consumer point of view, the impact at EU level would be a reduction of about 0.04% in the interest rates granted on deposits and/or an average increase of about €4 per account per year in account fees (see Annex 14).

**Table 4: Scenarios on the target level: potential impact on annual bank operating profits at EU level**

|   | Big bank failure<br>(fund built up over<br>10 years) | Small bank failure<br>(fund built up over<br>1 year) | Big DGS payout<br>(fund built up over<br>10 years) | Medium DGS<br>payout (fund built<br>up over 1 year) |
|---|--|--|--|---|
| <b>Impact in normal times</b><br>(only ex-ante contributions are collected)                   | -29.20%  | -4.81%   | -4.66%   | -11.02%   |
| <b>Impact in a crisis situation</b><br>(both ex-ante and ex-post contributions are collected) | -41.76%  | -7.35%   | -7.34%   | -17.61%   |

Source: Joint Research Centre.

With regard to the harmonised approach to a limit for ex-post funds (Option 2b), it would be useful to consider the so-called 'extraordinary ratio', i.e. the ratio between extraordinary contributions<sup>111</sup> and the total DGS funds. The ratio expresses the weight of the extraordinary component with respect to the total amount of funds available to a scheme. Setting the ex-post component at a fixed percentage of the total funds collected for all Member States would lead to a considerable increase in the amount of this component. When setting the 'extraordinary ratio' at 21.06% (the EU average value in 2007 – see Annex 13a), ex-post components would increase by 140% at EU level. This would in turn be reflected in a decrease in banks' operating profits of almost 12% at EU level. If, in theory, all bank costs were fully passed on to depositors, the impact at EU level would be a reduction of 0.05% in interest rates on savings or an increase in account fees of almost €4 per account per year.

<sup>111</sup> Extraordinary contributions are defined in practice as the difference between maximum and ordinary contributions whenever the DGS Statutes set a maximum level for members' contributions.

As to the harmonised approach to DGS borrowing (Option 2c), the EU borrowing limit (€99 billion) has been set by the Commission (JRC) as a percentage (1.75%) of the total amount of covered deposits. The percentage has been estimated according to the US data, i.e. the ratio between the borrowing limit (\$100 billion – equivalent of about €68 billion)<sup>112</sup> and the total amount of deposit insured by the FDIC in 2008 (equivalent of about €3.9 trillion).<sup>113</sup>

Assuming that each DGS would repay the loan within 10 years, it would lead to an average increase in banks' contributions to DGS at EU level by 205% (see Annex 23). On average, four times the 2008 contributions should be collected every year to repay the loan within 10 years. At EU level, this would result in a decrease of banks' operating profits by around 3%. From depositors' point of view, an increase in contributions would translate into an average interest rate reduction by about 0.04% or into an average annual increase by €4 per account. Currently, only 7 Member States are able to repay the estimated loan within 10 years without calling for new additional contributions.

Taking into account a harmonised approach to funding mechanisms and levels (Option 3), the Commission has developed a harmonised scenario by combining key aspects of funding mechanisms. The following assumptions have been put forward<sup>114</sup>:

- Target level for total DGS funds: 1.96% of the amount of eligible deposits<sup>115</sup> – according to the 'big DGS payout' scenario (it would mean that the target level for ex-ante and ex-post funds would be about 1.5% and 0.5% respectively – see assumptions on the proportions between ex-ante versus ex-post components);
- Contribution base: the amount of eligible deposits<sup>116</sup> – as it is currently the case in most DGS (22 DGS, representing 17 Member States – see Section 7.9);
- Ex-ante versus ex-post component: 75% and 25% respectively<sup>117</sup> (ex-post component close to the actual 'extraordinary ratio' in the EU<sup>118</sup>);

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<sup>112</sup> In March 2009, Congress increased the FDIC's borrowing authority from \$30 billion to \$100 billion (permanent level) and – as a temporary measure (by end-2010 only) – up to a maximum of \$500 billion. Before, in October 2008, Congress allowed the FDIC to borrow, if necessary, unlimited amounts from the US Treasury (by end-2009).

<sup>113</sup> FDIC Annual Report 2008 (<http://www.fdic.gov/about/strategic/report/2008annualreport/ARfinal.pdf>).

<sup>114</sup> There is no assumption as to the coverage level since the calculations have been based on eligible deposits (thus, the level of coverage – contrary to the scope of coverage – does not affect the results).

<sup>115</sup> The coverage level would be recalculated on the basis of covered deposits – after a transition period and under the comitology procedure (see also the previous footnote).

<sup>116</sup> After a transition period, the contribution base would be changed from *eligible* to *covered* deposits (see Section 7.9). This change (from a broader to narrower contribution base) would inevitably require changing (increasing) the nominal value of the target level in order to maintain the total amount of DGS funds unchanged.

<sup>117</sup> In principle, the DGS funds should consist of both ex-ante and ex-post elements. Keeping in mind the drawbacks of pure ex-post funding (pro-cyclicality, competitive disadvantages, disincentives for sound risk management, etc), the ex-ante element should be clearly dominant. It means that it should be significantly (and not merely slightly) higher than 50% of the total funds. At the same time, taking into account the importance of additional funding that may be needed in a crisis situation, a pure (100%) ex-ante system is not desirable. Therefore, the balanced proportions between ex-ante and ex-post elements could be roughly 75%-25% or 80%-20%. In both cases, the ex-post element would be close to the actual 'extraordinary ratio' in the EU (see the next footnote). Since the latter proportion would be slightly more costly for the banking industry in normal times, the former seems to be more preferred.

<sup>118</sup> The 'extraordinary ratio' in the EU (simple average) is 32.9% for all Member States or 21.1% if MT and CY are excluded (as their indicators - 72% and 83% respectively - are much higher than the indicators



- Scope of coverage: two options considered – exclusion and inclusion of deposits held by non-financial enterprises, central/local authorities, and/or enterprises in the financial sector (see Section 7.3).

It is assumed that the scenarios developed on the basis of the above assumptions (see Table 5) should be achieved within 10 years. The phase-in period of 10 years seems to be a balanced solution compared to both shorter and longer periods. A shorter phase-in period such as 5 years has shown to result in excessive financial burden on banks since (i) the expected costs within the 10-year period are already relatively high, (ii) Member States, notably those with ex-post DGS, need some mitigating measures (such as a sufficiently long transition period) in order to build up their ex-ante funds according to the required levels, and (iii) it should be kept in mind that there are also other initiatives aimed at strengthening the financial sector to be implemented in the coming years (however, the assessment of the impact of those initiatives on banks is outside the scope of this impact assessment). On the other hand, choosing a longer phase-in period than a decade involves the risk that the entire initiative to build up a system of soundly financed DGS would be perceived as 'watered down' and not treated seriously.

**Table 5: Harmonised scenarios on DGS funding**

| Harmonised scenarios | Target level | Contribution base | Ex-ante vs. ex-post component | Scope of coverage  | Number of years to reach the target |
|----------------------|--------------|-------------------|-------------------------------|--|-------------------------------------|
| Scenario A           | 1.96 %       | Eligible deposits | 75 % - 25 %                   | Exclude financial and non-financial enterprises and authorities                                | 10 years                            |
| Scenario B           | 1.96 %       | Eligible deposits | 75 % - 25 %                   | Include non-financial enterprises, exclude authorities and enterprises in the financial sector | 10 years                            |
| Scenario C           | 1.96 %       | Eligible deposits | 75 % - 25 %                   | Include financial and non-financial enterprises and authorities                                | 10 years                            |

Source: Joint Research Centre.

As a result of the above scenarios, DGS would be much better capitalised than currently. For Scenario B (built on the preferred option concerning scope of coverage assuming the inclusion of all non-financial enterprises and the exclusion of all authorities and all financial sector enterprises – see Section 7.3), DGS would collect together within 10 years the amount of ex-ante funds of about €149 billion and €49.7 billion potentially available as ex-post contributions (compared to total ex-ante and ex-post funds of DGS of €23 billion in 2008 – see Annex 18a). In normal times, when only ex-ante contributions are collected, it would require an average increase in contributions of 393% at EU level<sup>119</sup>. The aggregated annual ex-ante contributions would increase from €1.8 billion to €9.4 billion at EU level<sup>120</sup> (see

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of other Member States). As to the EU weighted average (according to the amount of eligible deposits), it is 21.2% when including CY and MT and 19.0% if they are excluded – see Annex 13a).

<sup>119</sup> There would be a particularly high impact in FR (a 2450% increase in contributions). This is because the amount of eligible deposits is very high, while the funds at DGS disposal are not proportionally high. For example, in 2008, total DGS funds in FR were almost 5 times lower than the funds in ES although in 2007 eligible deposits in FR were more than twice as high as deposits in ES (see Annexes 2 and 18a).

<sup>120</sup> The highest level of annual ex-ante contributions would be expected in FR and UK (each €2.4 billion), while the lowest one in LV (€8 million) (see Annex 18b). As to FR, it should be noted that in 2008 contributions to its DGS were more than 6 times lower compared to those in GR although in 2007 eligible deposits in FR were more than 10 times higher than in GR (see Annexes 2 and 18b).

Annex 18b). However, the 2008 contributions are already higher in some Member States than estimated contributions to be collected in order to reach the target within the time limit. Also, in some Member States cumulated funds are already higher than the target ex-ante component. From banks' perspective, an average decrease in operating profits would be about 2.5% at EU level (with a stronger impact in EU-15 than in EU-12 where, on average, a slight increase in bank profits is expected<sup>121</sup> – see Annexes 19 and 22b). For depositors, if all banks costs were passed on to them, the impact on interest rates would mean a decrease of less than 0.1%, and additional bank fees of around €7 per account per year (see Table 6 and Annexes 18-20). Of course, under the worst-case scenario, i.e. a crisis situation when ex-post contributions must be collected up to the maximum ceiling (25% of the total fund, i.e. about 0.5% of eligible deposits), the above figures would be substantially higher (e.g. the decrease in the operating profit would be over 6% and additional bank fees about €12 – see Annexes 19, 20 and 22a).

**Table 6: Potential impact of the harmonised scenarios on DGS funding at EU level in normal times**

| Harmonised scenarios | Total ex-ante funds collected after 10 years (€ thousands) | Total ex-post funds available after 10 years (€ thousands) | Ex-ante contributions to be collected annually within 10 years (€ thousands) | Increase in annual ex-ante contributions (compared to 2008) | Decrease in bank operating profits | Decrease in interest rates on savings | Increase in bank fees on current accounts (€) |
|----------------------|--|--|--|---|------------------------------------|---------------------------------------|---|
| Scenario A           | 127 938 303  | 42 646 101   | 7 655 420  | 289%  | 1.01%                              | 0.06%                                 | 7.02  |
| Scenario B           | 149 015 250  | 49 671 750   | 9 368 379  | 393%  | 2.46%                              | 0.07%                                 | 7.08  |
| Scenario C           | 171 556 596  | 57 185 532   | 10 561 256   | 437%  | 3.26%                              | 0.08%                                 | 8.43  |
| As of 2008           | 18 635 489   | 4 467 624  | 1 812 589  | –   | –                                  | –                                     | –   |

Source: Joint Research Centre.

It should be noted that the harmonised scenarios on funding would have a significant impact on ex-post financed DGS whose ex-ante funds are by definition zero. Under the above scenario B, ex-post DGS in six Member States would have to collect together about €47 billion within 10 years, roughly a half of which the UK alone (see Annexes 18).

If the remaining bank liquidity is used (Option 4), DGS and their member banks would have to pay significantly less since a large part if not all depositors could be paid out with this liquidity. On the other hand, the same amount saved by DGS and banks would have to be borne by all other creditors and depositors who are not protected by the DGS or whose deposits exceed the coverage level since corresponding to the priority of the DGS their claims would become more subordinate and therefore they will get a smaller insolvency dividend. Since many of these 'other creditors' are banks, losses caused by a lower insolvency dividend for them may counterbalance the savings as to their contributions to DGS. However, this only occurs to the extent banks have not had collateral for their claims against the failed bank.

During the public consultation conducted by the Commission last year, a large majority of respondents (about 70%) supported ex-ante funding while a minority of them (less than 15%)

<sup>121</sup> Some EU-12 Member States have their funds which are considerably high: if they want to reach the target level in 10 years they can reduce their contributions which, in turn, would be translated into increasing operating profits of banks. The highest increase in bank operating profits is expected in BG (13%) and EE (23%), while the strongest decrease is expected in AT (16%) and BE (18%).

were in favour of solely ex-post funding (those from Member States with ex-post systems – AT, IT, NL and UK). Proponents of ex-ante funding indicated several advantages: a level playing field, avoiding pro-cyclicality, speeding up payout, addressing moral hazard and unfairness stemming from the fact that riskier banks are de facto subsidised by safer ones, etc<sup>122</sup>. Opponents argued that ex-ante funding is an inefficient use of financial resources, may be very costly for Member States with ex-post systems, and – together with the recent and planned CRD amendments – may lead to higher capital requirements for banks. There were also rather mixed views on a target level for ex-ante funds, with many more respondents in favour than against (roughly two thirds to one third), but only a few suggestions were made on how high this target level should be (e.g. the level necessary to cover 4-5 smaller banks or 2-3 medium-sized banks). Most respondents agreed that a maximum contribution level would be desirable to avoid excessive pro-cyclicality (notably during a crisis when unlimited contributions may be very burdensome for banks). Practically all respondents agreed that additional financing sources should be allowed if needed by DGS.

Finally, Option 5 would ensure that banks would not have to pay contributions to an extent that might bring them into financial difficulties. The maximum contribution would have to ensure (i) that the target level can be built up over 10 years ( $1.5\% / 10 = 0.15\%$ ), (ii) that the extraordinary contributions can be paid (0.5%), and (iii) that there is a safety margin in case the DGS funds are depleted. The current maximum annual contributions throughout EU DGS oscillate around 0.2% in most Member States or are set at 1.5 or 1.875% (BG and GR). In some countries, they are set as a percentage of own funds (PL, AT, DE).

*Conclusion:* The drawbacks stemming from the current approach could be eliminated by a more harmonised approach to funding mechanisms and levels. Keeping in mind the relevant operational objectives (increasing convergence between DGS, enhancing DGS funding), the harmonised approach would be much more effective if applied to all key aspects of DGS funding (Option 3) than merely to selected aspects (Option 2). Ex-ante funding is much more efficient than ex-post financing because of its counter-cyclical nature. Therefore, the most effective solution seems to be a 'mixed system' (mandatory for all Member States), where ex-ante funding would be dominant and supported by ex-post funds collected if necessary (Option 3). Borrowing by DGS does not need to be harmonised because this touches upon the organisation of the financial system in Member States and, in line with the subsidiarity rule, should be left to Member States' discretion.

Setting a target level for DGS funds would ensure that schemes are credible and capable to deal with medium-sized bank failures. The most cost-efficient target level would be 1.96% (or simply 2%) of eligible deposits (to be achieved within 10 years) because it would increase DGS funds to cope with a medium-sized bank failure; and despite quite substantial increase in contributions, it would, on average, only moderately affect bank profits at EU level (with a stronger impact in some Member States) and lead to very limited costs for depositors. Also, Option 4 would be effective and efficient; it would not involve new costs for banks while ensuring a quick payout and sound financing. However, this option – contrary to other options – does not seem coherent with the fact that there is no harmonised approach to bank insolvency in the EU yet. Option 5 would also be effective and efficient. It would ensure a sound financing of the DGS but avoid unwanted side-effects if contributions were too high.

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<sup>122</sup> Similar advantages of ex-ante funding were also indicated by the International Association of Deposit Insurers (IADI) – see IADI, Funding of Deposit Insurance Systems. Guidance Paper, 6 May 2009 ([http://www.iadi.org/docs/Funding%20Final%20Guidance%20Paper%206\\_May\\_2009.pdf](http://www.iadi.org/docs/Funding%20Final%20Guidance%20Paper%206_May_2009.pdf)).

The preferred policy option is therefore Option 3.

| Operational objectives             | Policy options  | Comparison criteria |            |           |
|------------------------------------|---|---------------------|------------|-----------|
|                                    |   | Effectiveness       | Efficiency | Coherence |
| Increasing convergence between DGS | 1. No harmonisation of funding mechanisms and no particular requirements on DGS funding levels (current approach)   | 0                   | 0          | 0         |
|                                    | 2a. Harmonised target level for the total (ex-ante and ex-post) funds   | ++                  | +          | ++        |
|                                    | 2b. Harmonised limits for ex-ante and ex-post funds   | +++                 | ++         | ++        |
|                                    | 2c. Harmonised limit for borrowing by DGS   | -                   | -          | +         |
| Enhancing DGS funding              | <b>3. Harmonised approach to funding mechanisms and levels (mandatory ex-ante funding supported by ex-post funding, other elements/limits harmonised) – to be achieved within a specified period of time (e.g. 5 or 10 years)</b> | +++                 | +          | ++        |
|                                    | 4. Using the liquidity remaining in a bank at the time of failure to reimburse depositors   | +++                 | ++         | -         |

## 7.9. Bank contributions to DGS

The following policy options were taken into account (Options 2-5 are cumulative but alternative to Option 1 and each sub-option is alternative to the other sub-options):

*Option 1 (current approach):* No requirements as to bank contributions;

*Option 2:* Harmonised approach to the contribution base:

- (a) eligible deposits as the contribution base in all Member States;
- (b) covered deposits as the contribution base in all Member States.

*Option 3:* General common approach to the calculation of risk-based contributions, i.e. the total amount of contribution depends on both the contribution base and risk indicator(s):

- (a) using a single risk indicator for calculating risk-based contributions;
- (b) using multiple risk indicators for calculating risk-based contributions.

*Option 4:* Partially or fully harmonised approach to the choice of risk indicators in order to calculate risk-based contributions:

- (a) requiring Member States to apply risk-based contributions and allowing them to develop their own risk indicators;
- (b) developing a set of indicators and allowing Member States to choose relevant indicators in order to calculate risk-based contributions;
- (c) developing a set of core indicators (mandatory for all Member States) and another set of supplementary indicators (optional);
- (d) developing a common set of indicators to be used in all Member States in order to calculate risk-based contributions;

*Option 5: Harmonised approach to the contributions for banks joining or leaving a scheme:*

- (a) requiring annual contributions without down payments if a bank joins the scheme and requiring DGS to reimburse the last contributions paid by a bank if it becomes a member of another DGS due to changes of its legal status (subsidiary / branch);
- (b) permitting down payments if a bank joins the scheme and forbidding DGS to reimburse any contributions of a bank.

One option discarded at an early stage is worth mentioning. If banks were required to contribute without limitation to DGS, this could drive them into illiquidity or even insolvency, which would be counterproductive. Such a case occurred when the funds of the German ICS were emptied and extraordinary contributions were temporarily suspended by a court order because there was a risk that contributors (i.e. investment firms) could also be driven into insolvency. Such a situation could also happen at a DGS since the financing mechanism of DGS and ICS is the same. In most Member States, however, there is a ceiling for maximum contributions of banks usually based on a percentage of eligible deposits (see Annex 15b).

Currently, DGS apply very different approaches to bank contributions (e.g. they use different contribution bases; some of them have introduced risk-based contributions while the others have not). Retaining the current approach (Option 1) would maintain the situation where contributions in Member States are still not fully comparable and the same risk within a cross-border banking group is reflected in contributions in a different way in Member States.

As regards the harmonised approach to the contribution base (Option 2), selecting the amount of eligible deposits as a contribution base (Option 2a) for all DGS would lead to an increase in the contributions for those DGS using currently the amount of covered deposits (11 DGS in 6 Member States), with an EU average figure of 111%<sup>123</sup>. It would result in a decrease in bank operating profits of about 0.01% at EU level (with no change for EU-12). If all costs were passed on to depositors, it would mean a reduction of about 0.06% in interest rates on savings or an increase in current account fees of around €7 per account per year. In contrast, the impact of assuming the amount of covered deposits as a contribution base (Option 2b) would translate into a change for most Member States (currently, 22 DGS in 17 Member States use eligible deposits as their contribution bases). This would lead to a decrease in contributions of 58% at EU level. From the banks' point of view this would translate into a 4% increase in their operating profits. In theory, it should lead to an increase of interest rates on savings or a reduction of bank fees to be paid by depositors, but this might not be fully passed on to them. In general, the former approach (eligible deposits as the contribution base) would result in a slight increase of total DGS funds at EU level (up to €18.7 billion), while the latter one (covered deposits as the contribution base) would lead to a decrease in this respect (to €17.5 billion) – compared to the current situation (total funds of €18.6 billion as of end-2008).

As to the common approach to the calculation of risk-based contributions: the use of risk indicator(s) (Option 3), according to the Commission (JRC) report on risk-based contributions

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<sup>123</sup> This average also includes the decrease of 44% relative to IE which is the only Member States adopting the total deposits as contribution base.

published in 2008<sup>124</sup>, only 8 DGS in the EU adjusted the contributions of all their members, taking into account information from indicators which allow for assessing banks' risk profiles. Although the approaches currently applied across Member States were quite heterogeneous, there was a common principle behind the various adjustment procedures: the contributions are adjusted by decreasing or increasing them by a percentage (ranging from 75% to 140% of the standard amount) obtained by classifying DGS member banks into rating classes, linked to scores from a set of indicators. This may serve as a starting point for further discussions.

Last year, the Commission (JRC) in cooperation with the EFDI<sup>125</sup>, investigated potential models for risk-based contributions and assessed their potential impact across Member States. The JRC report published in 2009<sup>126</sup> presented two potential approaches to calculating such contributions that could be applied in the EU, i.e. *Single Indicator Model* (SIM) and *Multiple Indicator Model* (MIM). Both models are based on practices implemented by DGS adopting a risk-based contribution system (key elements from different systems in force were combined to build models adaptable to different EU banking systems). Both models rely on current reporting obligations, i.e. existing accounting-based indicators to assess the risk profile of DGS member banks (8 indicators covering 4 key risk classes commonly used to evaluate the financial soundness of banks: capital adequacy, asset quality, profitability, and liquidity – see Annex 25). The SIM uses a single accounting ratio to categorise banks into rating classes and accordingly calculate banks' contributions<sup>127</sup>. In contrast, the MIM combines four ratios (one per class) to obtain a single measure of the risk behaviour of DGS members.

The JRC report presented also some quantitative analyses for the above models in order to assess the impact that the introduction of risk-based contributions would have on DGS members. The SIM was tested by using each of the 8 proposed indicators. Results showed that the impact on contributions would be very different depending on the indicator selected. For this model, the EU average maximum decrease in contributions for a single bank would be 19.6%, while the EU average maximum increase in contributions would be 27.8%. As regards the MIM, it was tested by using two sets of four indicators. Results showed that the variability of the impact on contributions was significantly reduced: the EU average maximum decrease/increase in contributions was -4.1 % and +3.8 % respectively (it was also found that changing the set of indicators had not much influence).<sup>128</sup>

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<sup>124</sup> European Commission, Risk-based contributions in EU Deposit Guarantee Schemes: current practices, Joint Research Centre, Ispra, June 2008 ([http://ec.europa.eu/internal\\_market/bank/docs/guarantee/risk-based-report\\_en.pdf](http://ec.europa.eu/internal_market/bank/docs/guarantee/risk-based-report_en.pdf)).

<sup>125</sup> EFDI, Development of common voluntary approaches to include risk based elements for deposit guarantee schemes, 2009 (<http://www.efdi.net/scarica.aspx?id=143&Types=DOCUMENTS>).

<sup>126</sup> European Commission, Possible models for risk-based contributions to EU Deposit Guarantee Schemes, Joint Research Centre, Ispra, June 2009 ([http://ec.europa.eu/internal\\_market/bank/docs/guarantee/2009\\_06\\_risk-based-report\\_en.pdf](http://ec.europa.eu/internal_market/bank/docs/guarantee/2009_06_risk-based-report_en.pdf)).

<sup>127</sup> Contributions were calculated as a fixed percentage of the contribution base and subsequently adjusted by a risk factor specific to each member bank (see Annex 25). The risk adjustment factor was a percentage used to increase contributions for risky banks and to decrease them for well-behaving banks (in the JRC report, those factors varied between 80% for the least risky banks and 150% for the most risky banks).

<sup>128</sup> The above results should be carefully interpreted since the sample of banks did not cover the entire banking sector in any Member State (the banks taken into account are the largest set of banks for which values for the indicators were available). Moreover, the quantitative analysis relied on a number of assumptions and choices being made when assigning values to the model parameters.

Another approach to risk-based contributions was presented in one of the recent research<sup>129</sup>. It presents a mathematical model for estimating the losses to DGS and contributions of each bank according to its risk profile (the model is run via a *Monte Carlo simulation*). The idea is to use this model to estimate the contribution to the total loss of the system (in percentage) that is attributable to each bank. These risk-based contributions are to be estimated under different assumptions, depending on how inter-bank contagion has been taken into account. The estimation of each bank's risk based contribution is split into its 3 components: (i) the risk profile of bank's credit portfolio (inter-bank contagion is not taken into account); (ii) the fragility of the bank due to its inter-bank connection (passive contagion) and (iii) the systemic risk of the bank (active contagion, i.e. the risk that the bank causes others banks' defaults through its inter-bank exposure).

Indicators for systemic risk of a bank have not been taken into account since the development of criteria for Systematically Important Financial Institutions is still in progress.

As regards policy options stipulating partially or fully harmonised approach to the choice of risk indicators, Option 4a would not cause a substantial difference in comparison with the current situation. Although, on the one hand, it would be mandatory for DGS in Member States to calculate bank contributions using some risk indicators, but on the other hand, Member States would still be free to choose their own indicators. Therefore, bank contributions in Member States would still be incomparable (even within the same cross-border banking group). Options 4b and 4c would mean partial harmonisation. First, Member States would agree a set of indicators. Then, they would either choose relevant indicators from the set (Option 4b) or divide the set into core and supplementary indicators – of which the former would be mandatory but the latter optional for DGS (Option 4c). These two sub-options would contribute to greater comparability of risk measurement in Member States. However, the greatest (full) comparability would be achieved by applying sub-option 4d as it would mean full harmonisation. All Member States would use the same indicators to calculate risk-based contributions. They would use all indicators included in the common set and would not be allowed to use any other indicators.

It is obvious that the introduction of risk-based contributions in the EU would influence those Member States that do not apply such contributions (since they would need to introduce a new framework on which they have no experience). However, it could also have some impact on Member States already applying risk-based contributions. It would happen if the set of indicators did not include the indicators currently used by those Member States. In this situation, those Member States would have to change their risk assessment framework that had been used for some years before.

As regards the harmonised approach to the contribution requirements for banks joining or leaving a scheme, Option 5a would ensure that banks reorganising their operations in a way that branches turn into subsidiaries (in particular if they adopt the legal form of a European Company) are not hindered from doing so by being required to make initial down payments when joining a DGS. When a branch becomes a subsidiary, it may currently have to pay an initial contribution in addition to the annual one. Option 5b would concern the opposite case – if branches turn into subsidiaries, they would have to pay the last annual contribution for the

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<sup>129</sup> F. Campolongo, R. De Lisa, S. Zedda, M. Marchesi, Deposit insurance schemes: target fund and risk-based contributions in line with Basel II regulation, JRC Scientific and Technical Reports, 2010 (<http://easu.jrc.ec.europa.eu/eas/downloads/pdf/JRC57325.pdf>).

branch twice which otherwise could then be used as contribution for the subsidiary. This would mean that DGS do not lose funds but the bank is imposed a double charge.

As regards the public consultation conducted by the Commission last year, a large majority of respondents (above 70 %) were in favour of risk-based contributions to DGS, but some of them (over 20 %) were against. Proponents emphasised that risk-based contributions would create incentives for more prudent behaviour of banks and improve their risk management, mitigate moral hazard and free riding problems (subsidising riskier banks by safer ones), etc. Opponents were afraid that such contributions may result in pro-cyclical effects and mean double penalisation for banks (since they may already be penalised by supervisors if do not comply with capital requirements). No single view emerged whether risk-based contributions should be harmonised or not, mandatory or optional, but there was agreement that they should be flexible enough to take into account specific situations in Member States. Moreover, some indicators to calculate risk-based contributions were suggested: capital adequacy/solvency, liquidity, profitability, high exposure, loan portfolio quality, etc. Some respondents stated that the JRC reports on risk-based contributions could serve as a starting point and the CEBS could provide some guidelines on this (bearing in mind the need to improve the convergence of supervisory and DGS practices).

Conclusion: Retaining the current approach (Option 1) would be incoherent with the values of the Internal Market and ineffective since it does not create any incentive for a proper risk management. The analysis has revealed that a more harmonised approach to bank contributions, which in principle consists of both non-risk-based and risk-based elements (Options 2 and 3 respectively) is most efficient. As to the former, in principle, it would be more effective to base contributions in all Member States on *covered* deposits (Option 2b) since this better reflects the risk to which DGS are exposed<sup>130</sup>. As to the latter, it should be calculated on the basis of several indicators (Option 3b) and not just on a single one which may miss some important information on banks' risk profiles. Taking into account differences between banking sectors in Member States, full harmonisation of risk-based contributions seems to be neither feasible nor needed (at least at this stage) and some flexibility is necessary. Therefore, partial harmonisation (Option 4c) seems to be an appropriate solution at the moment. It should be noted that the introduction of risk-based contributions would have no impact on the overall level of contributions since the total amount of contributions would be determined by the target level for DGS funds and risk-based contributions would only be helpful in apportioning it among individual banks according to their risk profiles. Finally, Option 5a would be efficient (cost-neutral) and coherent with the Internal Market and some fundamental Treaty freedoms (freedom of the establishment, freedom of providing services).

The preferred options are therefore Options 2a/2b, 3b, 4c/d as well as 5a.

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<sup>130</sup> In practice, however, keeping in mind that most DGS (22 in 17 Member States) use currently *eligible* deposits as their contribution bases, it would be easier to harmonise the contributions bases by the two-step approach: first, using *eligible* deposits in all Member States as the contribution base, and then (after a relevant transition period), switching to *covered* deposits as the single contribution base in the EU. The application of this approach would be merely a formal change, i.e. it would involve the change of the nominal target level for DGS funds in order to ensure that the overall amount of funds is unchanged. Therefore, it would have no impact on bank contributions and, in turn, on bank profits.



| Operational objectives  | Policy options  | Comparison criteria |            |           |
|---|---|---------------------|------------|-----------|
|   |   | Effectiveness       | Efficiency | Coherence |
| Providing for contributions to schemes, which adequately reflect the degree of risk incurred by banks | 1. No requirements or harmonisation on banks contributions to DGS (current approach)  | 0                   | 0          | 0         |
|   | <b>2a. Eligible deposits as the contribution base in all MS (temporary solution)</b>  | ++                  | +          | +         |
|   | <b>2b. Covered deposits as the contribution base in all MS (final solution)</b>   | +                   | ++         | +         |
|   | 3a. Calculation of RBC based on a single indicator  | -                   | -          | +         |
|   | <b>3b. Calculation of RBC based on multiple indicators</b>  | ++                  | ++         | +         |
|   | 4a. Requiring MS to apply RBC and allowing MS to develop their own risk indicators  | +                   | +          | +         |
|   | 4b. Developing a set of indicators and allowing MS to choose relevant indicators in order to calculate RBC  | +                   | +          | +         |
|   | <b>4c. Developing a set of core indicators (mandatory for all MS) and another set of supplementary indicators (optional for MS)</b>   | ++                  | ++         | ++        |
|   | 4d. Developing a common set of indicators to be used in all MS in order to calculate RBC  | + / -               | + / -      | ++        |
|   | <b>5a. Requiring annual contributions without down payments if a bank joins the scheme and requiring DGS to reimburse the last annual contribution of a bank if it becomes a member of another DGS due to changes of its legal status</b> | +                   | +          | +         |
| <b>5b. Allowing down payments and forbidding reimbursement of the last annual contribution</b>        | -   | -                   | +          |           |

## 7.10. Mandate of DGS

The following policy options were taken into account (they are mutually exclusive):

- *Option 1 (current approach):* Mandate of DGS left to the discretion of Member States (whether a DGS carries out any additional functions beyond payout).
- *Option 2:* Retaining the current approach and ensuring that the payout function cannot be impeded by expenses on early intervention or restructuring measures.
- *Option 3:* All DGS must provide funding for early intervention or bank resolution<sup>131</sup> measures. This means that beyond the target level required for payout, there must be additional funds available, either for dealing with a medium-sized bank (*Option 3a*) or a large bank (*Option 3b*) in difficulty.

As regards Option 1, if DGS are not required to participate in resolution for ailing banks, there is a higher risk that taxpayers' money is used for resolutions while corresponding powers of DGS would ensure that money originating from banks is used. The lack of coherence between national DGS roles in this regard may also impede coordinated resolution actions on a cross border basis. If in one Member State a DGS can use its funds to resolve a bank but this is not permitted in another Member State, it may render bank resolution negotiations more

<sup>131</sup> According to COM(2009)561, the term 'bank resolution' covers 'measures taken by national resolution authorities to manage a crisis in a banking institution, to contain its impact on financial stability and, where appropriate, to facilitate an orderly winding up of the whole or parts of the institution'.

complex since private sector in one country may not be willing to participate if private sector does not contribute to a similar extent in the other country.

Option 2 implies, in addition to the impact stemming from Option 1, that the 11 Member States where DGS have powers beyond the mere payout of depositors<sup>132</sup> banks would have to ensure that DGS funds can in principle only be used for paying out depositors but can be used for bank resolution purposes if such use shall be limited to the amount that would have been necessary to pay out covered deposits. This would avoid a depletion of funds for the benefit of uninsured creditors of a bank, who also benefit from a resolution measure.

This option would affect these 11 Member States in so far as they would have to get additional funding if a resolution measure is more expensive than a payout. However, there are no data available as to the probability of such an event and its likely impact.

Even if the financial impact cannot be estimated, there are some other positive impacts:

- Depositors are the weakest link among those concerned by a bank failure and their protection would not be put into perspective or endangered by resolution actions;
- One bank may be subject to DGS support while another one might just be failing without support. The DGS may then less likely be empty because of the support granted and it may still be able to pay out depositors of the other bank;
- It takes into account that a bank that enjoyed DGS support may fail later (due to unexpected risks, unforeseen events, etc.). This so-called 'double whammy effect' could quickly empty DGS funds.

An effective and cost-efficient solution to ensure that DGS funds cannot be drained for bank resolution measures to the benefit of uninsured creditors is to require that DGS funds should principally be used for paying out depositors. However, in order not to deprive depositors of the benefits of bank resolution measures (i.e. the continuity of banking services as a result of the transfer of deposits of the failed bank to another credit institution<sup>133</sup>), it would be effective to allow the use of DGS funds for resolution, but limited to the amount that would have been necessary to pay out covered deposits.

If DGS had an even broader mandate, i.e. including not only bank resolution but also early intervention measures (e.g. recapitalization, liquidity assistance, guarantees, etc.), they would need to be adequately funded. It means that additional funds would need to be collected beyond the target level because bank resolution is alternative to payout while early intervention does not always prevent payout later on. However, in order to avoid situations where DGS funds could serve as an important contribution to an otherwise difficult early intervention measure, they could be used for such purposes under some restrictions.

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<sup>132</sup> See Annex D. RO, as the 12<sup>th</sup> Member State with DGS having a mandate beyond paybox, is not taken into account since its DGS has only liquidation powers which go beyond the paybox mandate but do not allow the support of banks.

<sup>133</sup> It seems that Member States could also allow DGS to use their financial means in order to avoid a bank failure without being restricted to financing the transfer of deposits to another institution, provided that financial means of that DGS exceed the target level before such measure and its financial means are not lower than a certain threshold (e.g. 1% of eligible deposits) after such measure.

Finally, as to Option 3, it would result in avoiding the negative impacts of Option 1. It means that additional funds would need to be collected beyond the target level – either for dealing with a medium-sized bank or a large bank in difficulty (see Table 7). The impact of Option 3a would be €121 billion (of which €90 billion ex-ante funds) and for the impact of Option 3b would be €52 billion (of which €64 billion ex-ante funds). The cumulated impact ('paybox' and resolution as described under Option 2) would amount to €302 billion (of which €227 billion ex-ante funds; Option 3a) and €34 billion (of which €401 billion ex-ante funds; Option 3b). The impact on benefits such as depositor confidence and financial stability would be very positive but cannot be calculated.

However, Option 3 would seem inconsistent with ongoing Commission work on bank resolution to prescribe a mandatory bank resolution mandate for all DGS since it would anticipate the outcome of this work.

During the public consultation conducted by the Commission last year, a slight majority was in favour of maintaining DGS as mere 'payboxes' due to the need to avoid interference with other actors in the financial safety net and the risk of depleting DGS funds. The majority of respondents in favour of extending the mandate to bank resolution activities preferred to leave this decision at the discretion of Member States, since each Member State has a different set-up of crisis management. However, it was widely acknowledged that competent authorities in all Member States must have bank resolution powers.

**Table 7: Scenarios based on government interventions (i.e. recapitalisations)**

| Description of scenarios              |   | Size of the failure<br>(% of the total amount of eligible deposits) |
|---------------------------------------|---|---|
| <b>Big government intervention</b>    | Maximum costs for banks' individual recapitalisations operated by governments of EU Member States during the financial crisis | <b>3.80%</b>  |
| <b>Medium government intervention</b> | Average costs for banks' individual recapitalisations operated by governments of EU Member States during the financial crisis | <b>1.30%</b>  |

Source: Joint Research Centre.

Conclusion: Option 3 would be the most effective one as regards ensuring that bank resolution is financed with private funds (banks) rather than with taxpayers' money at the same time ensuring that there is adequate funding in order to payout depositors in all EU Member States (contrary to Option 2, only 11 Member States). However, as the costs of such solution are extremely high and additional benefits as to depositor confidence and financial stability compared to Option 2 remain unclear, doubts remain as to the efficiency of Option 3. Option 2 is effective to ensure that DGS funds are not drained for other purposes. All options seem consistent with the possible establishment of a pan-EU resolution fund mentioned in the Commission Communication on crisis management (insert reference).

| Operational objectives   | Policy options  | Comparison criteria |            |           |
|--|---|---------------------|------------|-----------|
|  |   | Effectiveness       | Efficiency | Coherence |
| Enabling DGS to participate in bank resolution<br>Ensuring adequate funding for DGS with additional tasks<br>Ensuring that DGS with intervention powers remain sufficiently funded to fulfil their payout obligation if they are charged with additional tasks | 1. Other DGS functions than 'paybox' <u>optional</u> (current approach)       | 0                   | 0          | 0         |
|  | 2. Requiring DGS with a broad mandate to collect adequate funds               | +                   | +          | +         |
|  | 3. Requiring all DGS to have a broad mandate and to collect appropriate funds | +                   | --         | +         |

## 7.11. Cross-border cooperation of DGS and a pan-EU DGS

Fragmentation of DGS across the EU can be overcome by two alternative approaches: an improvement of cooperation between existing DGS to a different extent or a pan-EU DGS.

From this result three basic options. Only sub-option 3A is mutually exclusive as to the other options. Apart from this, the options can be combined:

- *Option 1 (current approach)*: no pan-EU DGS, depositors paid out and informed by the home country DGS (see Section 4.6).
- *Option 2*: Host country DGS acting as a single point of contact (this option is mutually exclusive only with Option 3a). Unless there is a single pan-EU DGS, Option 2 will always be relevant in case of branches, whether there is topping up or not. The following sub-options have been taken into account:
  - (a) the host country DGS informs depositors at branches in its country about a bank failure in the home country; it also acts as a post box of the home scheme and provides information and advice in the host country's language;
  - (b) in addition to Option 2a, the host country DGS is paying agent for the home country DGS and would be reimbursed by it.
- *Option 3*: Introducing a pan-EU DGS;

As regards Option 3, the following sub-options were taken into account as regards the structure of a pan-EU DGS (sub-options 3b or 3c can be cumulated with Option 2):

- (a) a single entity acting as a pan-EU DGS replacing the existing schemes (if this option is chosen, Option 2 will become obsolete);
- (b) a '28<sup>th</sup> regime' supplementing and supporting the existing DGS;
- (c) a network of DGS ('EU system of DGS'): if the financial capacity of one scheme becomes insufficient or depleted, the other schemes would have to lend it money which is to be recovered over time (see Annex 28)<sup>134</sup>.

In addition, the following sub-options of Option 3 were taken into account as regards the membership of a pan-EU DGS (they can be combined with any of the structure-related sub-options above):

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<sup>134</sup> This is applied in a similar way in AT, where under Article 93a of the Bankwesengesetz, the sectoral scheme must pay to the extent that its member banks have paid the maximum contribution of 0.93% of own funds. In cases where the responsible scheme in question is unable to pay out the guaranteed deposits in full, the other sectoral schemes are obliged to make proportionate contributions immediately in order to cover the shortfall. Those protection schemes are to have recourse to claims against the relevant protection scheme in the amount of the contributions made and demonstrable costs. In cases where the schemes as a whole are unable to pay out guaranteed deposits in full, the original scheme concerned must issue debt securities in order to meet the remaining payment obligations; the Federal Minister of Finance may assume liability on behalf of the federal government according to a special legal authorisation.

- (d) all banks;
- (e) cross-border banks (i.e. those with branches in another Member State);
- (f) only large, systemically important cross-border banks.

Option 3 presupposes full harmonisation of DGS as presented in this report and could only enter into force after the target level for DGS (see Section 7.7) has been reached. Both Options 2 and 3 would entail that (i) home and host DGS must conclude mutually binding bilateral or multilateral agreements on the details of such cooperation and/or (ii) relevant provisions in this respect would be stipulated in the Directive. In order to ensure that the arrangements work in practice, account should be taken of templates designed by EFDI<sup>135</sup> and the European Banking Authority (EBA) could act as a mediator<sup>136</sup>.

Option 2a would mainly have an impact on DGS facing additional administrative costs for cooperation with the home country DGS if they play their role vis-à-vis the depositors. In turn, this would lead to a simplification for depositors since they would only have to contact one DGS in their own language.

In addition to this, for the host country DGS/banks, Option 2b would lead to interim financing costs until reimbursement. The amount paid by the host DGS needs to be reimbursed by the home DGS. However, payout should not depend on advance payments by the home scheme in order not to delay it. This issue could be left to arrangements between DGS for a transition period. Once the target fund size is reached, this will become less relevant.

The introduction of a pan-EU DGS (Option 3) paying out depositors on the basis of a decision by the Member State in charge of banking supervision could be thought of as a single entity replacing all national schemes or could consist of a network between existing schemes ('EU system of DGS'). It could also take the form of a so-called '28<sup>th</sup> regime', i.e. supplementing existing DGS with a scheme providing financial support to DGS if necessary.

The option requiring that there would be only one DGS in each Member State (i.e. merging their DGS on national level) was discarded at an early stage. Such a requirement would not be very effective since it would only resolve fragmentation at national but not EU level.

A single entity (Option 3a) would be financed directly by banks whereby Member States could collect the contributions and transfer them to the pan-EU DGS; a '28<sup>th</sup> regime' (Option 3b) would be financed by all DGS but indirectly by banks. The management of funds not used by the pan-EU DGS (whether a single entity or a '28<sup>th</sup> regime') could be performed by the EIB or the ECB (against fee). This would save the costs for asset managers at the pan-EU DGS and it could focus on collecting contributions and payout.

Options 3b and 3c would be accompanied by the following safeguards:

- It is a precondition that each national DGS is sufficiently financed to participate in such a network. It is also crucial to determine term, interest and amount of a loan (as a percentage

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<sup>135</sup> EFDI, Report on the development of a non-binding model agreement on exchange of information between DGS and EFDI Memorandum of Understanding (topping up), see <http://www.efdi.net/documents.asp?Id=11&Cat=Efdi%20EU%20committee%20public%20documents>.

<sup>136</sup> Article 11 of the Proposal for a Regulation establishing a European Banking Authority, COM(2009) 501.

of deposits) to prevent the lending DGS from endangering their financial capability. In order to avoid that Member States keep their DGS funds artificially low, transparency about the level, the use and the investment of funds and the collection of the contributions are of the essence. The funds designated for DGS payout function should be subject to strict low-risk investment rules in order to avoid DGS to lose funds from inappropriately risky investments. Such rules already exist for 87% of DGS (see Annex 26).

- To avoid moral hazard, the funds designated for DGS payout should be shielded from unlimited use to avoid allocation to other areas. However, funds of DGS could continue to be used for bank resolution purposes but only under a strict and transparent application of the least cost principle, preventing a situation where other Member States would have to lend money to a DGS whose funds have been depleted for dubious bank resolution actions (moral hazard).
- In order to ensure that the function of the network is not impeded by different views in participating DGS, the EBA - as mentioned before - could act as a mediator.
- To reduce complexity, there should be only one DGS per Member State, which fulfils the obligation towards the other DGS in the network, irrespective of the number of DGS in a given country and which would function as a hub for the network of DGS.

As regards the membership of a pan-EU DGS, a pan-EU DGS could comprise all banks in the EU. If it is argued that a pan-EU DGS should not deal with every bank failure but only with those a national DGS cannot deal with, a pan-EU scheme could be limited to banks that have branches in other Member States ('cross-border banks'). If it is argued that smaller failures could anyway be dealt with at national level, and only systemically important banks<sup>137</sup> would need to be dealt with by a pan-EU DGS, membership could even be further limited to cross-border banks above a certain size.

As regards the public consultation conducted by the Commission last year, there were very mixed views on a pan-EU DGS. Proponents argued that a pan-EU scheme would be more efficient than the current fragmented framework, ensure harmonisation, remove competitive distortions, enhance consumer confidence, save administrative costs, etc. Opponents anticipated breaching the principles of subsidiarity and proportionality and were afraid of moral hazard (i.e. weaknesses in the banking supervision of certain Member States would be paid for by banks from other Member States). Both proponents and opponents indicated that, at first, pan-EU banking supervision would have to be established and clear burden-sharing rules set between Member States. A majority of those in favour of introducing a pan-EU scheme preferred establishing a network of DGS. Also, most respondents suggested that all banks (rather than only cross-border ones) should be members of a pan-EU DGS. The impact of Option 3a-c can be summarized as follows: a single pan-EU scheme would have resources of about €230 billion and save about €40 million admin costs per year. Under Option 3b, if e.g. each year only 25% of contributions to national GDS were paid to the 28<sup>th</sup> regime over 10 years, in eight Member States (BG, EE, LV, LT, MT, RO, SI and SK), all deposits could be repaid, over 10% of deposits could be repaid in 15 Member States, and only in four Member States (DE, FR, ES and UK), the 28<sup>th</sup> regime would encompass about 5% of deposits.

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<sup>137</sup> The concept of Systematically Important Financial Institutions has been dealt with by the Financial Stability Board. According to a 2009 report to G-20 countries, three key criteria are size, substitutability and interconnectedness. Source: [http://www.financialstabilityboard.org/publications/r\\_091107c.pdf](http://www.financialstabilityboard.org/publications/r_091107c.pdf).

Option 3c would entail that a DGS in need can borrow a limited amount from all other schemes in proportion to their fund size (i.e. in proportion to the deposits in each DGS). These funds would quickly be available before the DGS would have to borrow from other sources. In order to allow an additional facility of 0.5% of eligible deposits for the borrowing scheme (i.e. the equivalent of ex-post-contributions referred to under Section 5.3 – ¼ of 2%), all DGS would only have to lend up to 0.08% (for UK as one of the countries with the highest amount of deposits) of eligible deposits, i.e. about one 25<sup>th</sup> of their funds at target level. This is effective and efficient. Details about the contributions of each DGS (cumulated by Member State) are referred to in Annex 29.

*Conclusion:* Option 1 is ineffective because it does not mitigate fragmentation. Among Options 2a and 2b, the latter is preferred because of its effectiveness with regard to depositor confidence. As to Option 3, it would be more effective than any other option to reduce fragmentation. As to the structure of a pan-EU scheme, Option 3a would save administrative costs of (estimated) €36 million. Option 3b would seem rather ineffective since it would add complexity. Option 3c would not require changes in the legal set-up of national DGS. Given the fact that legal questions as to Option 3 a/b still have to be assessed, Options 3a and 3c could be combined by establishing a network first and by aiming at a pan-EU DGS after a certain transition period. This would also allow to take into account the evolution in the field of bank resolution (follow-up to COM(2009)561). Since Options 3e and 3f, due to their potentially distortive character are incoherent with the Internal Market, Option 3d would be preferred as to the membership in a pan-EU DGS.

| Operational objectives   | Policy options  |           | Comparison criteria   |            |           |    |
|--|---|-----------|---|------------|-----------|----|
|  |   |           | Effectiveness   | Efficiency | Coherence |    |
| Ensuring that DGS are capable to deal with payout situations<br><br>Enhancing funding of DGS<br><br>Increasing convergence between DGS | 1. Member States required to have at least one DGS (current approach) |           | 0   | 0          | 0         |    |
|  | 2. Host country DGS acting as a single point of contact               |           | ++  | +          | +         |    |
|  | Pan-EU DGS  | Structure | 3a. Single (pan-EU) entity                                  | ++         | ++        | ++ |
|  |   |           | 3b. '28 <sup>th</sup> regime' complementary to existing DGS | +          | -         | -- |
|  |   |           | 3c. EU system/network of DGS                                | +          | +         | +  |
|  | Pan-EU DGS  | Members   | 3d. All banks   | ++         | ++        | ++ |
|  |   |           | 3f. All cross-border banks                                  | ++         | -         | -- |
| 3e. Large, systemically important cross-border banks   |   |           | ++  | -          | --        |    |

## 7.12. Other issues

### 7.12.1. Topping up arrangements

The Commission has been tasked to assess the harmonisation of level and scope of coverage and the eligibility of depositors. According to this assessment (see Sections 7.2, 7.3, 7.4), full harmonisation is proposed. This means that there is no need for topping up arrangements anymore in order to deal with differences between DGS. However, for the sake of providing a complete impact assessment, a description and assessment of possible options whether or how

to continue the current 'topping up' approach is provided in Annex F. It would become relevant as soon as there is any national discretion on the level or scope of coverage or the eligibility of depositors.

#### *7.12.2. Exemption of mutual and voluntary schemes from the DGS Directive*

Since any impact would be limited to DE and, to a lesser extent, AT, the description of options, their impact and assessment is referred to in Annex G. The preferred option is to require all banks to be a member of a statutory DGS so that depositors are protected if a mutual scheme fails and to apply the Directive to voluntary DGS.

#### *7.12.3. Additional issues raised by stakeholders*

During the public consultation conducted by the Commission in 2009, as well as at the meetings of the Commission's working group on DGS in 2009 and 2010 (see Chapter 2), stakeholders indicated some additional issues that could or should be included in the current review of the DGS Directive. These issues are briefly presented in Annex H.

## **8. OVERALL IMPACT OF THE PREFERRED POLICY OPTIONS**

The approach of minimum harmonisation introduced by the DGS Directive in 1994 has resulted in significant differences between DGS as to the level of coverage, the scope of covered depositors and products, payout delay, etc. Other important areas, such as funding mechanisms and levels, bank contributions to DGS or payout modalities, have not been harmonised at all but fully left to the discretion of Member States. This is not only costly and harmful for depositors, banks, and DGS, but may also be disruptive for financial stability and proper functioning of the Internal Market. The analysis presented in this impact assessment showed that adopting maximum harmonisation is more effective than the approach of minimum harmonisation.

The selected policy options<sup>138</sup> relate in most cases to the current legislative proposal and are expected to be implemented in the short and medium term (sometimes after a relevant transitional period). However, the options which are not reflected in the current legislative proposal (e.g. those related to risk-based contributions and to a single pan-EU DGS) are expected to be implemented in a longer perspective.

### **8.1. Micro- and macroeconomic impacts of the preferred policy options**

The choice of preferred options has been based on their potential impact both in a micro-dimension (on depositors, banks and DGS) as well in a macro-scale (on financial stability and the economy). The options have been selected because of their expected effectiveness and efficiency in achieving specific and operational objectives and their coherence with the overarching objectives of EU policy. The preferred options indicated in various sections of this impact assessment may be combined in order to measure the cumulative impact of all of them. This is relating to the following set of preferred options:

- (a) Level of coverage: €100 000 (see Section 7.1);

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<sup>138</sup> Annex J presents the set of preferred policy options indicated in this impact assessment.



- (b) Scope of coverage: inclusion of deposits held by non-financial enterprises, exclusion of deposits held by central/local authorities and financial sector enterprises (see Section 7.3);
- (c) Payout delay: as short as possible (preferably 7 calendar days) – which requires from banks, inter alia, tagging eligible depositors, data cleansing and creating single customer views (see Section 7.5); and early access to information by DGS.
- (d) Target level for total DGS funds: about 2% of the amount of eligible deposits (of which  $\frac{3}{4}$  collected ex-ante and  $\frac{1}{4}$  available ex-post if needed) – to be reached in 10 years (see Sections 7.8 and 7.9).

The above options represent the approach of maximum harmonisation, i.e. they should be applied in all Member States in the same way. Their expected cumulative impact on stakeholders (depositors, banks and DGS) – to be expected within 5 or 10 years<sup>139</sup> – may be summarised as follows:

- **DGS**: DGS will be much better financed due to the target level of 2% of eligible deposits. It is expected that after 10 years, at EU level, DGS would have at their disposal about €150 billion as ex-ante funds and €50 billion potentially available as ex-post contributions – compared to total ex-ante/ex-post funds of €23 billion in 2008 (see Annex 18). They will be capable to payout depositors of a medium-sized bank within one week due to improved cooperation within their country (ensuring the involvement of DGS at an early stage) and with other DGS. Stress tests will alert them of possible shortcomings that can be tackled. Due to the simplification of eligibility criteria they will also save administrative costs.
- **Banks**: The higher the protection offered by DGS the higher the costs needed to ensure such protection. The impact may be expected in terms of an increase in contributions to be paid by banks<sup>140</sup> and, in turn, a decrease in their operating profits. Taking into account the above preferred options as to the level and scope of coverage and the harmonised approach to DGS financing, there would be an increase in bank contributions by 390% at EU level, i.e. from the pre-crisis level of €1.8 billion to €9.4 billion – the latter to be collected annually within 10 years. In addition, taking into account the above preferred option as to the payout delay, banks may expect total one-off administrative costs at EU level of about €1.2 billion annually within 5 years (the costs could be considerably lower if eligibility criteria were radically simplified). The cumulated impact on banks stemming from the costs stemming from all the above-listed policy options (the level and scope of coverage,

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<sup>139</sup> The cumulative impact on banks and depositors stems from two separate scenarios:

- (1) speeding up the payout process – which involves one-off administrative costs to be faced within 5 years (see Section 7.5 and Annex 12d-f);
- (2) harmonising DGS funding and scope/level of coverage (harmonised scenario B) – which involves costs, i.e. higher contributions, to be faced 10 years (see Section 7.8 and Annexes 18-20).

Given different time horizons of the above scenarios, the cumulative impact on banks and depositors in the 10-year period is expected to be different in the first 5 years and in the remaining 5 years. During the first 5 years, the impact is to be higher as stemming from both scenario (1) and (2), which includes all the above preferred options: (a), (b), (c) and (d). During the remaining 5 years, the impact is to be lower as stemming from the second scenario only, which includes only the above preferred options (a), (b) and (d). The cumulative impact in the first 5 years has been presented in Annex 21 and the cumulative impact in the remaining 5 years is the same as presented in Annexes 19 and 20.

<sup>140</sup> It has been assumed that the increase in contributions is proportional to the increase in the in the amount of covered deposits.

the harmonised approach to DGS funding and a faster payout) would be the following: a decrease of about 4% in bank operating profits at EU level during the first 5 years, and a 2.5% decrease in the remaining 5 years (see Annexes 19 and 21a respectively)<sup>141</sup>. On the other hand, banks would benefit from greater stability and safety of the banking system thanks to well capitalised DGS. Moreover, banks with a low-risk business model will profit from lower contributions to DGS. Finally, the single customer view would also lead to benefits for banks since they would better know their customers and could offer them products they have not bought yet.

- **Depositors:** In particular, substantially higher deposit protection offered by DGS is expected as a result of the adoption of the coverage level of €100 000 in all Member States (an increase in the amount of covered deposits from 61% to 72% of eligible deposits and an increase in the number of fully covered deposits from 89% to 95% of eligible deposits). The main benefit is that depositor confidence is expected to be critically enhanced with higher level of coverage and other provisions (e.g. a short payout delay and a sound target level for DGS funds) which will make depositors confident that their deposits are safe and that they will get them back up to €100 000 at any time, even if a bank fails. This should prevent them from bank runs in times of financial distress and, in turn, this would contribute to financial stability. In terms of costs for depositors, the cumulative impact – being a result of applying the above-listed policy options as to the level and scope of coverage, DGS financing and a faster payout – is expected to be moderate, i.e. lower interest rates of saving accounts by around 0.1% or higher bank fees on current accounts by about €7 per year per account (or €10 in a crisis situation) (see Annexes 20 and 21b). Depositors will also have a contact to a DGS in their own language which means that if depositors are well informed and believe in the system, they will not run on banks.

Moreover, the following overall impact in a macro-scale may be expected:

- **Financial stability:** The preferred policy options are expected to bring numerous benefits as to financial stability by preventing bank runs, eliminating the risk of shifts of deposits from Member States with a lower coverage level to those with a higher one, better monitoring of risks in the banking sector (risk-based contributions), ensuring that failures of a certain size (small and medium) will not threaten financial stability since better capitalised DGS are able to cope with these failures, etc.
- **Internal Market:** The preferred policy options are also expected to bring some important benefits for the EU economy and the Internal Market: creating a level playing field, eliminating competitive distortions, avoiding negative consequences for the economy stemming from instability of the banking sector, etc. Moreover, there should be a lower need to use the taxpayer money in case of bank failures (as a result of better capitalised funds of DGS). On the costs side, lower lending activity (stricter lending conditions or higher cost of credit) as a result of higher contributions could be expected, but it does not seem to have a big impact as it may be mitigated thanks to competition between banks.

The overall impact on stakeholders (DGS, banks and depositors) and the impact in a macro scale (on financial stability and the economy) are summarized in Table 8.

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<sup>141</sup> This is the expected impact in normal times, i.e. when only ex-ante contributions are collected by DGS. In a crisis situation, when DGS may call for additional (ex-post) contributions as well – up to the ceiling of ¼ of the total target fund – the impact would be stronger, i.e. a 7.5% decrease in bank operating profits during the first 5 years, and a 6% decrease in the remaining 5 years (see Annexes 19 and 21a).

**Table 8: Overall impact of the preferred options on stakeholders, financial stability and the economy**

| Preferred policy options   | Impact on stakeholders  |  |   | Macro-impact  |   |
|--|---|--|---|---|---|
|  | DGS   | Banks  | Depositors  | Financial stability   | Economy   |
| <b>Level and scope of coverage</b>   |   |  |   |   |   |
| <b>Fixed coverage level of €100 000</b>  | Substantially higher deposit protection offered by DGS:<br><br>- increase in the amount of covered deposits from 61% to 72% of eligible deposits<br><br>- increase in the number of fully covered deposits from 89% to 95% of eligible deposits | Increase in total annual contributions from €1.8 billion to €2.6 billion and decrease in operating profits of 4%<br><br>Avoiding strains to bank liquidity in case of numerous deposit shifts from one Member State to another | Lower interest rates on saving accounts by max 0.08% or higher current account fees by max €3.5 per year per account<br><br>Discouraging depositors to shift deposits from one bank to another on the basis of the coverage level only, which may result in loosing interest rates, paying penalty fees, etc. | Eliminating the risk of shifts of deposits from Member States with a lower coverage level to those with a higher one<br><br>Avoiding strains to liquidity of the banking sector in case of sudden and substantial deposit shifts from one Member State to another | Level playing field and no competitive distortions<br><br>Lower cost of credit for enter-prises as a result of stronger competition between banks |
| <b>No exemptions from the level of coverage</b>                                  | Very limited impact (only in 2 Member States): abandoning – after a transition period – unlimited DGS protection for certain tax-privileged deposit savings accounts (in DK) and THDB for real estate transactions (in FI)                      | No additional costs for banks (no need for banks to tag deposits eligible for additional protection under THDB, social considerations, etc.)   | No change for depositors in most Member States<br><br>Social costs in 2 Member States; eliminating protection of a popular type of deposits in one Member State   | No substantial impact expected  | Level playing field and no competitive distortions  |
| <b>Inclusion of all enterprises in the scope of coverage</b>                     | Lower administrative costs and shorter payout since time-consuming verification of size classes obsolete  | Increase in contributions of 1.3% and decrease in operating profits of 0.7%  | Impact on medium and large enterprises in 13 Member States: all of them are covered   | Reducing the risk that enterprises, in particular small enterprises (about 20 million in the EU) run on banks   | More dynamic economic activity of small enterprises if their deposits are safe  |
| <b>Exclusion of all (central / local) authorities from the scope of coverage</b> | Rather limited impact on DGS and local authorities:<br><br>- local authorities are currently included only in 7 Member States (CZ, DK, GR, LT, PI, FI, SE)<br><br>- central authorities are excluded in all Member States                       | Decrease in contributions of 0.2% and negligible impact on operating profits (increase of 0.01%)   | Only 121 000 local authorities affected in contrast to more than 450 million depositors.  | No impact expected:<br><br>- the level is not relevant for most of local authorities (73% of them have deposits above €100 000)<br><br>- authorities are not expected to run on banks like individual depositors  | Level playing field and no competitive distortions  |

| Preferred policy options   | Impact on stakeholders   |  |  | Macro-impact                                     |  |
|--|--|--|--|--|--|
|  | DGS  | Banks  | Depositors   | Financial stability                              | Economy  |
| <b>Inclusion of deposits in non-EU currencies in the scope of coverage</b>               | <p>Rather limited impact on DGS:</p> <ul style="list-style-type: none"> <li>- deposits in non-EU currencies are not covered only in 6 Member States (BE, DE, LT, CY, MT, AT)</li> <li>- about €273 million of covered deposits in non-EU currencies (compared to €5.7 trillion of all covered deposits in the EU)</li> </ul> | <p>The impact on banks financing DGS under the chosen target level 1.96% is estimated at maximum €5.3 million because of higher contributions to DGS</p> <p>Potentially higher (but rather moderate) inflow of deposits in non-EU currencies to EU banks</p> | <p>Ensuring protection for depositors having non-EU currencies in those MS where such deposits are currently not covered</p> <p>Enhancing depositor confidence</p>     | No substantial impact                            | Level playing field and no competitive distortions   |
| <b>Exclusion of debt certificates and structured products from the scope of coverage</b> | <p>Low impact: debt securities and liabilities arising out of promissory notes and own acceptances are included only in HU, LV and SE</p> <p>Low impact: structured products are covered only in HU</p>  | <p>No preference for debt certificates issued by banks vis-à-vis other debt securities issued by non-banks</p> <p>Reducing incentives for banks to offer structured products</p>   | <p>Simpler (and more understand-able for depositors) rules on covered and uncovered products</p> <p>Slightly less protection for depositors in a few Member States</p> | No substantial impact                            | Level playing field and no competitive distortions   |
| <b>Payout delay and modalities</b>   |  |  |  |  |  |
| <b>Reducing the payout delay to one week</b>   | <p>Much faster verification of claims as a result of receiving from banks proper (high-quality) data on deposits</p>   | <p>One-off admin costs (tagging deposits, data cleansing, single customer view - SCV): €1.2 billion annually within 5 years.</p> <p>Marketing benefits: banks better know clients (SCV) and offer them products not bought by them yet</p>                   | <p>Quick access to money</p> <p>Avoiding problems with day-to-day payments</p> <p>Enhancing depositor confidence</p>   | Preventing bank runs                             | Avoiding negative consequences for the economy stemming from instability of the banking sector                             |
| <b>Payout modalities (payout currency as deposits paid in, interests paid by DGS)</b>    | <p>DGS have to provide for foreign currencies and bear exchange rate risk</p>  | <p>No incentives for banks to limit deposits in foreign currencies</p> <p>Positive impact on banks out-side the euro area (otherwise they would be less attractive for euro-area depositors)</p>   | <p>Avoiding exchange rate risk</p> <p>Enhancing depositor confidence</p>   | Preventing bank runs and competitive distortions | Avoiding negative consequences for the economy stemming from instability of the banking sector and competitive distortions |

| Preferred policy options   | Impact on stakeholders  |   |  | Macro-impact   |  |
|--|---|---|--|--|--|
|  | DGS   | Banks   | Depositors   | Financial stability  | Economy  |
| <b>Discontinuing set-off for depositors and limiting it in the insolvency procedure</b>  | Avoiding the need to identify depositors' liabilities to match them against their deposits  |   | Avoiding the risk that eligible deposits will not be paid at all (or payout will be reduced)<br><br>Enhancing depositor confidence | Preventing bank runs   | Avoiding negative consequences for the economy stemming from instability of the banking sector                 |
| <b>Requiring supervisors to inform DGS by default if a bank failure is likely</b>  | More time for the preparation of claims verification  | Need to share all relevant information on deposits with DGS before failure  | No impact  | Possibility to prepare bank failure in an orderly manner (including quick payout)  | Avoiding negative consequences for the economy stemming from unexpected bank failures                          |
| <b>Requiring DGS and banks to have a common interface</b>  | Ensuring quick exchange of information with member banks  | Need to adjust existing reporting obligations to requirements of DGS  | No impact  | Ensuring smooth information exchange in crisis situations  | No impact  |
| <b>Requiring DGS to regularly disclose relevant information (funds, stress testing, etc.)</b>  | Higher transparency and credibility of DGS  | Possibility to monitor on a regular basis information about actual DGS funding and potential expectations on future bank contributions  | Providing some depositors with additional information on DGS (limited to those seeking such information more actively)             | Possibility to assess whether DGS are capable to deal with bank failures and maintain financial stability  | Avoiding negative consequences for the economy stemming from instability of the banking sector                 |
| <b>Financing of DGS</b>  |   |   |  |  |  |
| <b>Harmonised approach to DGS funding (target level: 2% of eligible deposits, ex-ante/ ex-post funds: 75%-25%, etc) to be achieved in 10 years</b> | DGS would be much better capitalised that currently – after 10 years they would collect together the amount of ex-ante funds of about €150 billion and €50 billion available as ex-post contributions (compared to total ex-ante and ex-post funds of DGS of €23 billion in 2008) | Increase in contributions of 393% and decrease in operating profits of about 2.5%<br><br>Need for member banks of ex-post DGS to switch to ex-ante system and pay adequate contributions to build the fund of a required size | Lower interest rates on saving accounts by about 0.1% or higher current account fees by about €7 per year per account              | Failures of a certain size (small and medium size) will not threaten financial stability since better capitalised DGS are able to cope with these failures | Lower need to use the taxpayer money in case of bank failures (as a result of better capitalised funds of DGS) |
| <b>Covered deposits as the contribution base</b>   | Better reflecting the actual risk to which DGS are exposed  | Increase in nominal contributions, but no impact on the actual amount of contributions paid to DGS  | No impact  | Better monitoring of some risk exposures of DGS  | No impact  |

| Preferred policy options  | Impact on stakeholders   |  |   | Macro-impact   |   |
|---|--|--|---|--|---|
|   | DGS  | Banks  | Depositors  | Financial stability  | Economy   |
| <b>Partially harmonised approach to risk-based contributions (mandatory and optional indicators)</b>                                | Need to monitor risk profiles of banks (via relevant indicators) on a regular basis                                  | Adjusting contributions to the actual risk incurred by banks (discouraging banks from taking excessive risk)                                     | Less risky products offered by banks to customers   | Better monitoring of risks in the banking sector<br><br>Promoting more prudent and responsible behaviour in the banking sector<br><br>Avoiding the problem of free riding (and de facto subsidizing riskier banks by safer ones) | Avoiding negative consequences for the economy stemming from excessively risky and irresponsible behaviour of market participants |
| <b>Other issues</b>   |  |  |   |  |   |
| <b>Host DGS as a single point of contact for depositors at bank branches</b>  | DGS in host Member State would have to involve its money in advance and then be repaid by DGS from home Member State | No impact  | Ensuring better information to depositors and quicker payout<br><br>Enhancing depositor confidence  | Preventing bank runs   |   |
| <b>Require all banks to be a member of a DGS – integrate mutual and voluntary DGS into the Directive apart from coverage issues</b> | DGS have a broader financing basis if all banks contribute to them   | Increase in contributions for banks that are only members of mutual guarantee schemes but mitigated when risk-based contributions are introduced | Depositors have a claim against all schemes protecting them<br><br>Depositors maintain the indirect protection by mutual schemes<br><br>It is ensured that all schemes are soundly financed | Preservation of mutual schemes as a safeguard for financial stability  | Reducing distortions of competition   |

Source: Commission services.

## 8.2. Social impact

The Directive is expected to have a very positive social impact. It consists of the following aspects:

- a high level of financial stability – confidence of about 95% of EU depositors will substantially increase as from the end of 2010 they will be fully covered by DGS and will, in case of a bank failure, be reimbursed by a DGS within 7 calendar days;
- an increase of protection of the wealth of depositors – 95% of EU depositors will be fully covered at the coverage level of €100 000;
- less stress for social welfare systems – a quick payout of 7 calendar days will make the intervention of social welfare systems because of a bank failure almost unnecessary.

On the cost side, even if all costs stemming from the increase in banks contributions to DGS were to be passed on to depositors – which is rather unlikely in a competitive market – they will be very limited: a maximum 0.1% reduction in interest rates on savings or maximum €7 more current account fees per year per account (in a crisis situation, the latter figure would be €10).

With regards to the jobs linked to national DGS, there are about 500 permanent employees at DGS in the EU. If a pan-EU scheme were to be introduced, some of the current employees would not keep their positions. Around 100 of them would be needed to run a pan-EU scheme. It can be assumed that due to their expertise in the banking sector, the rest of the current employees would find another adequate job.

## 8.3. Administrative burden

The preferred options do not lead to any significant administrative burden<sup>142</sup>.

Some elements of this proposal could be seen as implying administrative burden such as the information obligations of banks and supervisory authorities to DGS, the cross-border information obligation between different DGS and the improvement of banks' and DGS' technical resources to reduce the payout delay or other indirect costs such as updating printed matters or web pages according to the new rules.

However, none of these costs are caused by a regular obligation since they are incurred only in case of a bank failure. Regular information of DGS about banks' deposits is implicitly necessary but this has also been the case under current law. They are thus 'business as usual costs'. No regular reporting obligations would be introduced.

The only figures that can be estimated are the costs for banks to tag eligible deposits, make data cleansing and provide a single customer view (about €6.2 billion over 5 years, i.e. around €1.2 billion annually within this period of time – see Section 7.5). The current administrative costs per DGS are about €1 million per year with huge differences between schemes (see also Section 7.10). Apart from IT costs for DGS, which cannot be estimated, the other types of costs mentioned above are considered insignificant.

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<sup>142</sup> See Annex K for more detailed analysis.

#### **8.4. Correlation with other impacts**

The impact of a revision of the Directive on Deposit Guarantee Schemes will be only one of the impacts caused by the whole range of ongoing initiatives to enhance financial stability (e.g. the revisions of the Capital Requirements Directive 2006/48/EC). In general, each initiative is accompanied by its own impact assessment. It is not the purpose to provide a cumulative assessment on the occasion of this revision.

### **9. MONITORING AND EVALUATION**

Since bank failures are unpredictable and if possible avoided, the functioning of DGS cannot be regularly monitored on the basis of how real bank failures are handled. However, as proposed, there should be regular stress tests of DGS. This would show whether DGS are at least in an exercise scenario capable to comply with the legislative requirements. This should take place in a peer review. Such review could be performed by EFDI and EBA. Results should be disclosed to Member States and to the Commission, the EBA and the ECB but otherwise details may be kept confidential when the first review is undertaken in order to allow improvements without public pressure. The main results of the following reviews should be disclosed to the public in detail.

The new European Banking Authority should assess the resilience of DGS, ensure that national legislation is not applied in a way breaching the Directive, conduct peer review analyses, decide whether a DGS can borrow from other DGS and settle disagreements between DGS. This includes vetting if the ex-ante fund is being built up over time (see Section 7.8). The involvement of the EBA in general substantially reinforces the monitoring.

The transposition of any new EU legislation on DGS will be monitored under the Treaty on the functioning of the EU.

On a pan-EU scheme, there may be a further report long-term.



**ANNEX A: COMPARISON OF THE COMMISSION PROPOSAL WITH THE FINAL TEXT OF DIRECTIVE 2009/14/EC**

| <p align="center"><b>Commission proposal</b><br/>(submitted on 15 October 2008)</p>  | <p align="center"><b>Final text</b><br/>(agreed on 18 December 2008<br/>and adopted on 11 March 2009)</p>  |
|--|--|
| <p align="center">Increase of the minimum coverage level to € 100 000</p>  | <p align="center">Increase of the minimum coverage level to € 50 000 by the end of June 2009 and to a fixed level of € 100 000 by the end of 2010 unless the Commission considers this inappropriate</p> |
| <p align="center">Limiting the eligibility of depositors to private individuals and abandoning all depositor-related discretionary exclusions in Annex 1 (leaving the option to Member States to broaden this limited scope)</p> | <p align="center">The scope of coverage was not changed.</p>   |
| <p align="center">Reduction of the deadline to decide whether a bank has failed from 21 to 3 days</p>  | <p align="center">Reduction of the deadline to decide whether a bank has failed to 5 <i>working days</i> (i.e. 1 week)</p>   |
| <p align="center">Reduction of the payout delay from 3 months (extendable to 9 months) to 3 days</p>   | <p align="center">Reduction of the payout delay to 20 <i>working days</i> with the possibility to extend it a further 10 <i>working days</i> (i.e. 4-6 weeks) by the end of 2010.</p>                    |
| <p align="center">Abandon of co-insurance<br/>(i.e. a portion of losses to be borne by the depositor)</p>  |  |
| <p align="center">Regular performance tests of DGS' systems</p>  |  |
| <p align="center">Early information of DGS in case of problems in a credit institution</p>   | <p align="center">Early information of DGS in case of problems in a credit institution <i>if appropriate</i></p>   |
| <p align="center">Requirement for DGS to mutually cooperate</p>  |  |

Source: Commission services.

**ANNEX B: INCLUSIONS IN THE SCOPE OF COVERAGE APPLIED IN MEMBER STATES\***

|         | Category of deposits |   |   |   |   |   |   |   |   |    |    |    |    |    |
|---------|----------------------|---|---|---|---|---|---|---|---|----|----|----|----|----|
|         | 1                    | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| BE      |                      |   |   |   |   |   |   |   |   |    |    |    |    |    |
| BG      |                      |   |   |   |   |   |   |   |   |    |    |    | X  | X  |
| CZ      |                      |   | X | X |   |   |   |   | X |    | X  |    | X  | X  |
| DK      | X                    | X | X | X | X | X |   | X |   |    | X  |    | X  | X  |
| DE1     |                      |   |   |   |   | X |   |   |   | X  |    |    |    |    |
| DE2     |                      |   |   |   |   |   |   |   |   |    |    |    |    |    |
| DE3,4   | X                    | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  |
| EE      |                      |   |   |   |   |   |   |   |   |    |    |    | X  |    |
| IE      |                      |   |   |   |   |   |   |   |   |    |    |    | X  |    |
| GR      |                      |   |   | X |   | X |   |   |   |    |    |    | X  | X  |
| ES1,2,3 |                      |   |   |   |   |   |   |   |   |    |    |    | X  | X  |
| FR      |                      |   |   |   |   |   |   |   |   |    |    |    | X  | X  |
| IT1     |                      |   |   |   |   |   |   |   |   |    |    |    | X  | X  |
| IT2     |                      |   |   |   |   |   |   |   |   |    |    |    | X  | X  |
| CY1     |                      |   |   |   |   |   |   | X | X |    |    |    |    | X  |
| CY2     |                      |   |   |   |   |   |   | X | X |    |    |    |    | X  |
| LV      |                      |   |   |   |   |   |   |   |   | X  |    | X  | X  | X  |
| LT      |                      |   | X | X |   |   |   |   |   |    |    |    |    | X  |
| LU      |                      |   |   |   |   |   |   |   |   |    |    |    | X  |    |
| HU      |                      |   |   |   |   |   |   |   | X |    |    | X  | X  | X  |
| MT      |                      |   |   |   |   |   |   |   |   |    |    |    |    |    |
| NL      |                      |   |   |   |   |   |   |   |   |    |    |    | X  |    |
| AT1-5   |                      |   |   |   |   |   |   |   |   |    |    |    |    |    |
| PL      |                      |   |   | X |   |   |   | X | X |    | X  |    | X  |    |
| PT1     |                      |   |   |   |   |   |   |   |   |    |    |    | X  | X  |
| PT2     |                      |   |   |   |   |   |   |   |   | X  |    |    | X  | X  |
| RO      |                      |   |   |   |   |   |   |   |   |    |    |    | X  |    |
| SI      |                      |   |   |   |   |   |   |   |   |    | X  |    | X  |    |
| SK      |                      |   |   |   |   |   |   |   |   |    | X  |    | X  |    |
| FI      |                      | X |   | X | X | X | X | X | X |    | X  |    | X  | X  |
| SE      |                      | X | X | X | X |   | X | X | X |    | X  | X  | X  | X  |
| UK      |                      |   |   |   |   | X |   |   |   |    |    |    | X  |    |

1. Deposits by financial institutions as defined in Article 1 (6) of Directive 89/646/EEC.
2. Deposits by insurance undertakings.
3. Deposit by government and central administrative authorities.
4. Deposits by provincial, regional, local and municipal authorities.
5. Deposits by collective investment undertakings.
6. Deposits by pension and retirement funds.
7. Deposit by a credit institution's own directors, managers, members personally liable, holder of at least 5% of the credit institution's capital, persons responsible for carrying out the statutory audits of the credit institution's accounting documents and depositors of similar status in other companies in the same group.
8. Deposits by close relatives and third parties acting on behalf of the depositors referred to in 7.
9. Deposits by other companies in the same group.
10. Non-nominative deposits.
11. Deposits for which the depositor has, on an individual basis, obtained from the same credit institution rates and financial concessions which have helped to aggravate its financial situation.
12. Debt securities issued by the same institution and liabilities arising out of own acceptances and promissory notes.
13. Deposits in currencies other than those of the Member States.
14. Deposits by companies which are of such a size that they are not permitted to draw up abridged balance sheets pursuant to Article 11 of the Fourth Council Directive (78/660/EEC) of 25 July 1978 based on Article 54 (3) (g) of the Treaty on the annual accounts of certain types of companies.

\* 'X' labels Member States where inclusions are applied

Source: Joint Research Centre.

## **ANNEX C: DIFFERENCES BETWEEN DGS AND OTHER FINANCIAL PROTECTION SCHEMES**

Even though they are treated by a different Impact assessment, it seems useful to briefly explain the functioning of other guarantee systems for financial services.

IGS provide last-resort protection to consumers when insurers are unable to fulfil their contract commitment, offering protection against the risk that claims will not be met in the event of a failure of an insurance undertaking. Unlike the banking and the securities sectors, there is no European legislation on guarantee schemes in the insurance sector. As of today only 12 Member States have one or more IGS, showing significant differences across Member States with regard to the various design features of the national IGS.

The main objective of IGS is the protection of policyholders.

Directive 97/9/EC on Investor-Compensation Schemes (ICS) applies to investment firms (including credit institutions) who provide investment services under Directive 2004/39/EC on markets in financial instruments. It provides for clients of investment firms to be compensated in two limited situations. Firstly, if a firm is unable to repay money owed or belonging to a client and held on the client's behalf in connection with investment services. Secondly, if a firm is unable to return to a client a financial instrument belonging to the client and held, administered or managed on the client's behalf. Such a claim will typically arise if a firm gone into default is unable to return clients' assets because of fraud or theft or an error or problem with a firm's systems and controls. However, it does not cover compensation for a decline in the value of an investment (e.g. if the value of the investment's underlying assets decline, the value of the market declines or if an issuer fails).

The main purpose of ICS is to remove a potential obstacle to the proper functioning of a single market for investment services (i.e. diverse national compensation schemes being applied to such services).

Source: Commission services.

## **ANNEX D: DGS MANDATES BROADER THAN 'PAYBOXES' IN MEMBER STATES**

| <b>Member State</b> | <b>Mandate</b>   |
|---------------------|--|
| <b>AT</b>           | Receivership; moratorium; preventive intervention  |
| <b>BE</b>           | Preventive interventions (under strict conditions)   |
| <b>BG</b>           | Preventive interventions (increase of the capital of an ailing bank); administration of bankruptcy proceedings   |
| <b>DE</b>           | Mutual Guarantee Schemes covering certain banks, but no comparable powers for the scheme required for other banks  |
| <b>ES</b>           | Preventive interventions (financial aid, subsidies, guarantees, loans under favourable conditions); reorganisation of institutions   |
| <b>FR</b>           | Preventive interventions   |
| <b>IT</b>           | Transfer of assets and liabilities; support interventions  |
| <b>LT</b>           | DGS has the right to take over an insolvent bank   |
| <b>PL</b>           | Financial assistance: loans, guarantees, endorsements; acquisition of debts  |
| <b>PT</b>           | Co-operation actions intended to restore the solvency and liquidity conditions of member institutions; granting allowances or loans; providing guarantees in favour of the member institutions; acquiring credits or any other assets from its members   |
| <b>RO</b>           | Interim administration; special administration; judicial liquidation; administrative liquidation   |
| <b>UK</b>           | FSCS can contribute to the costs of a bank failure through the Special Resolution Regime (SRR); insolvency practitioner: first objective is to work with the FSCS to ensure that each eligible depositor has the relevant account transferred to another institution and receives payment from (or on behalf of) the FSCS - FSCS can now borrow from the National Loans Fund |

Source: Joint Research Centre and Member States.

**ANNEX E: COMPARISON OF SELECTED PROVISIONS OF DIRECTIVES DGS (94/19/EC) AND CRD (2006/48/EC)**

|                                   | <b>Article 3(1) of Directive 94/19/EC</b>   | <b>Article 80(8) in conjunction with Article 80(7) (a), (d), (e) of Directive 2006/48/EC</b>   |
|-----------------------------------|---|--|
| <b>Description</b>                | The credit institution belongs to a system which protects the credit institution itself and in particular ensures its liquidity and solvency, thus guaranteeing protection for depositors at least equivalent to that provided by a deposit-guarantee scheme. | (8)(b) the credit institution and the counterparty have entered into a contractual or statutory liability arrangement which protects those institutions and in particular ensures their liquidity and solvency to avoid bankruptcy in case it becomes necessary (referred to below as an institutional protection scheme);<br><br>(7)(a) the counterparty is an institution or a financial holding company, financial institution, asset management company or ancillary services undertaking subject to appropriate prudential requirements;<br><br>(7)(d) the counterparty is established in the same Member State as the credit institution;<br><br>(8)(i) the institutional protection scheme shall be based on a broad membership of credit institutions of a predominantly homogeneous business profile;<br><br>(8)(g) members of the institutional protection scheme are obliged to give advance notice of at least 24 months if they wish to end the arrangements. |
| <b>Recognition and monitoring</b> | the system must be in existence and have been officially recognized when this Directive is adopted;<br><br>conditions must be fulfilled in the opinion of the competent authorities   | (8)(j) the adequacy of the systems referred to in point (8)(d) is approved and monitored at regular intervals by the relevant competent authorities.   |
| <b>Mechanism</b>                  | the system must be designed to prevent deposits with credit institutions belonging to the system from becoming unavailable and have the resources necessary for that purpose at its disposal,   | (8)(c) the arrangements ensure that the institutional protection scheme will be able to grant support necessary under its commitment from funds readily available to it;<br><br>(7)(e) there is no current or foreseen material practical or legal impediment to the prompt transfer of own funds or repayment of liabilities from the counterparty to the credit institution.   |
| <b>Risk management</b>            |   | (8)(d) the institutional protection scheme disposes of suitable and uniformly stipulated systems for the monitoring and classification of risk (which gives a complete overview of the risk situations of all the individual members and the institutional protection scheme as a whole) with corresponding possibilities to take influence ...;<br><br>(8)(e) the institutional protection scheme conducts its own risk review which is communicated to the individual members;<br><br>(8)(h) the multiple use of elements eligible for the calculation of own funds ("multiple gearing") as well as any inappropriate creation of own funds between the members of the institutional protection scheme shall be eliminated.  |
| <b>Disclosure</b>                 | the system must ensure that depositors are informed in accordance with the terms and conditions laid down in Article 9  | (f) the institutional protection scheme draws up and publishes once in a year either, a consolidated report comprising the balance sheet, the profit-and-loss account, the situation report and the risk report, concerning the institutional protection scheme as a whole, or a report comprising the aggregated balance sheet, the aggregated profit-and-loss account, the situation report and the risk report, concerning the institutional protection scheme as a whole;  |
| <b>Reference to state aid</b>     | the system must not consist of a guarantee granted to a credit institution by a Member State  |  |

## ANNEX F: TOPPING UP

The sole responsibility to reimburse depositors lies with the DGS of the country where the bank has its registered seat, regardless whether it the bank is a stand-alone company or a subsidiary controlled by another company. This responsibility extends to all legally dependent parts of a bank, i.e. its branches, even if they are located in another Member State.

There is an important exception to this principle. If, in case of branches, coverage in the host country is higher or more comprehensive than in the home country, the current regime provides the option for the bank to join the host country DGS for the difference in coverage. This is called 'topping up arrangement' and means that two DGS (home and host country) are involved when depositors of such a branch are to be paid out. Topping up arrangements are very complex since the Directive has only harmonised DGS on a minimum level and frictions occur if DGS operating under different national rules must cooperate. Topping up can also lead to delays in payout since two DGS are involved, which have to coordinate their actions.

The current form of topping up arrangements gives a bank with a branch in another Member State the right to join the host country DGS for its branch and for the difference in coverage but this is dependent on whether and how the DGS of both countries can find an agreement. Important obstacles would remain such as different banking secrecy obligations (hindering the exchange of depositor information between DGS), different ranks of DGS in insolvency procedures and in particular different legal systems in Member States. The involvement of two DGS that might have a very different setup inevitably takes more time. They cause confusion for depositors who do not understand why they have to deal with two DGS for one account as is evident from complaints in the context of the failure of Icelandic banks.

### Policy options and their impact

The options below are only relevant if neither a single pan-EU DGS is chosen nor level and scope of coverage and the eligibility of depositors will be fully harmonised, the latter being preferred according to this report. In this case, the following sub-options could be taken into consideration:

- *Option 1:* Discontinuation of topping up.
- *Option 2:* Mandatory topping up by the host country.
- *Option 3:* Mandatory topping up by the home country.

Option 1 would have the positive impact that depositors would only be covered by one DGS. However, this would mean for banks that their branches could not compete with other banks if their home DGS has a lower protection than banks registered in the host country. It would also lead to depositors at banks operating in the same country being subject to different level or scope of protection. Costs for covering the difference between home and host coverage would be shifted towards the home DGS.

Option 2 would have a very low impact since many banks concerned by different coverage levels have already opted for topping up. Depositors may be better protected in total but the involvement of two DGS is prone to complications. Banks would have to contribute to two DGS if topping up applies. Most likely, this would increase the overall contributions. Depositors at banks operating in the same country would be protected equally.

Option 3 would simplify deposit protection for DGS, banks and depositors since only one DGS would be competent and overall contributions per bank would seem to be lower as under option 2 (economies of scale: 1 instead of 2 DGS must be contributed to). The amount of covered deposits protected by the home-country DGS would increase since they are assumed to provide protection to branches that were covered by the host country DGS. On average, this increase is negligible – between 0.3% and 0.7%. Option 3 would lead to an equal protection of depositors at banks operating in the same country but lead to a different protection of depositors at the same bank pending on the location of its branches where the deposits are kept. This may lead to pressure in the home country to align level or scope of coverage to the level and scope guaranteed in other Member States.

### Comparison of policy options

#### Effectiveness

Option 1 would be effective to mitigate fragmentation and to reduce payout delays. However, it would be ineffective as to creating a level playing field if no full harmonisation can be achieved.

Option 2 would not be effective to mitigate fragmentation and to reduce the payout delay since the involvement of two DGS would even become mandatory in case of divergent coverage.

Option 3 would be effective to mitigate fragmentation since only one DGS is competent. It is also effective to increase depositor confidence and to reduce payout delays since the depositor does not have to deal with two DGS. Home country topping up as such would not solve unequal treatment between depositors but be much more effective since many possible frictions and delays caused by the involvement of different schemes would be avoided. Option 3 would have an additional advantage: If home countries are forced to offer depositors in host countries more protection than depositors in the home country, there may be pressure of the public to align coverage with the one in the host country, i.e. to also apply optional elements of scope and eligibility.

#### Efficiency

Option 1 saves admin costs for the host scheme and costs for the banks that do not have to pay contributions to the host DGS anymore. Option 2 incurs admin costs for the host DGS and costs for banks that have to contribute to two schemes. Option 3 also incurs costs for banks that have to pay higher contributions (to the home DGS) but there are no additional admin costs since only one DGS is involved. Given its effectiveness and relatively low costs, option 3 is the most efficient option.

Conclusion: Since Option 3 is the most effective and efficient option, it would be preferable over the other options.

## **ANNEX G: MUTUAL AND VOLUNTARY GUARANTEE SCHEMES**

It should be recalled that mutual schemes function in a different way than DGS while voluntary DGS are DGS going beyond statutory DGS (see Section 4.7).

### **Policy options and their impact:**

The following options have been taken into account:

- *Option 1:* Retain current approach (mutual schemes are exempt from the Directive if they meet certain requirements and voluntary schemes are not covered by the Directive<sup>143</sup>).
- *Option 2:* Banks being members of mutual guarantee schemes also have to be members of a DGS but pay half of the pre-determined contribution which is paid by the banks in the same risk category. The function of DGS could also be performed by the mutual scheme, which would then fall entirely within the scope of the Directive, including its coverage level. The mutual scheme would have the choice either to become a statutory DGS with a bank resolution mandate (see above 7.10) or to remain a mutual scheme and contribute half of the risk-based pre-determined contribution to a statutory DGS. Voluntary schemes would be subject to all requirements of the Directive, in particular the level and scope of coverage, the financing requirements and the payout delay.
- *Option 3:* Prohibit mutual and voluntary schemes.

Option 1 would have no impact on voluntary and mutual schemes. As described in Section 4.7, retaining the current approach leads to insufficient information and inappropriate protection of depositors because they have no claim against voluntary and most mutual schemes and are not protected if the mutual or voluntary scheme fails. Competitive distortions resulting from offering higher coverage ('unlimited protection') and from the exemption to pay contributions to the statutory DGS would remain

Under Option 2, two variants have been considered the choice of which is up to the mutual schemes: (a) mutual guarantee schemes could also perform the role of a DGS and would then fall entirely within the scope of the Directive, including its coverage level; (b) For mutual guarantee schemes not acknowledged as a DGS under the Directive and for voluntary schemes, this option would entail the following requirements in order to ensure that the problems described in Section 4.7 are avoided:

- Depositors must have a claim for reimbursement on voluntary schemes (or on mutual schemes if the mutual protection has failed) and have to be informed accordingly. As to mutual schemes, this level cannot be higher as for DGS under the Directive. If the claim against the mutual or voluntary scheme cannot be met, the DGS has to pay up to the coverage limit and must be in a position to recover the payments from the mutual or voluntary scheme.
- The fact that banks are members of a mutual scheme is taken into account for the calculation of risk-based contributions to the DGS of which they are a member. Their risk should be assessed by the DGS.

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<sup>143</sup> Article 3 of Directive 94/19/EC and Recital 8 of Directive 2009/14/EC..



- Members of mutual schemes can only enjoy this reduction if the mutual scheme fulfils the criteria of Article 80(8) of Directive 2006/48/EC<sup>144</sup> and if it covers the same products and uses the same eligibility criteria for depositors as DGS under the Directive (since otherwise the risk for the statutory DGS would be higher if it has to step in, see below).
- On the one hand, no mutual or voluntary scheme has failed so far (which speaks for a low risk for statutory DGS concerning their members). On the other hand, a voluntary scheme needed billions of state guarantees to survive (see Section 4.4) and no information on their financial soundness is disclosed (which speaks against their solidity). The political declaration of unlimited coverage given in autumn 2008 could be interpreted as if there was no sufficient depositor confidence into the German safety net. Considering the lack of detailed information, due to the mere fact that two safety mechanisms would apply to one bank (the DGS and the mutual scheme), contributions of members of a mutual scheme to statutory DGS would thus be half of the contribution for a bank with the same degree of risk as the mutual scheme as a whole. In other words, banks that are members of a mutual scheme would get a reduction of 50% for their contribution to DGS.
- Depositors protected mutual schemes are clearly informed that they offer an additional layer of protection to existing DGS, that they have a claim against mutual and voluntary schemes and about how they function.
- Mutual and voluntary schemes are subject to the same financing requirements, disclosure requirements, peer review and stress testing as DGS but are free to impose stricter conditions on their members.

This option would improve depositor protection since depositors would have a claim against those schemes as a safety net. It has an impact on statutory DGS that must be prepared to cover customers of banks belonging to a mutual scheme but in turn, it receives contributions from them. The strict criteria of Article 80(8) of Directive 2006/48/EC ensure that a mutual scheme significantly reduces the risk of its members to fail since if its conditions are fulfilled, the lending between members is regarded as risk-free for prudential purposes. It would also improve depositor information. This option would remove competitive distortions since mutual schemes could not advertise with 'unlimited coverage' anymore but only explain that their scheme prevents failures.

Members of German mutual schemes would consequently have to pay contributions to the statutory DGS in addition to the mutual scheme (with a reduction of 50%). This does not apply to Austrian banks since they must all be members of a DGS under the Directive. Since we requested but did not receive information on the amount of funds of and contributions to these schemes, the impact cannot be calculated<sup>145</sup>. However, on the basis of the eligible

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<sup>144</sup> See Annex E for a comparison of Article 3 of Directive 1994/19/EC and Article 80(8) of Directive 2006/48/EC.

<sup>145</sup> Sometimes, there are ratings for the schemes or for central institutions of their members available. The central institution of Austrian Volksbanken is rated Baa (Moody's), the central institution of the Austrian Raiffeisenbanken A1 (Moody's), the Erste Bank Group comprising most Austrian Savings Banks A (S&P). German Sparkassen have a corporate rating of Aa2 (Moody's)/A (DBRS), the German cooperative banks have a group rating of A+ (Fitch/S&P).

deposits held with banks under German mutual schemes (about €1.6 trillion<sup>146</sup>), the current contributions to be paid into the German statutory DGS<sup>147</sup> – under the assumption that contributions will be risk-based in future (see Section 7.9) and members of the German mutual schemes fall into the lowest category of risk, i.e. 75% of the 'standard' contribution (even though this cannot be verified due a lack of information) – it can be estimated that German cooperative banks would have to contribute about €37 million and savings banks €67 million to the German statutory DGS. Currently, the contributions to the German schemes are not risk-based. If the target fund sizes for DGS discussed in Section 7.8 are taken into account (0.6%, 1.3% and 1.96% of eligible deposits), the German cooperative banks would ceteris paribus have to pay €137, 299 or 450 million each year over 10 years. For the German savings banks, this would respectively mean €251, 544 or 821 million.

If the German mutual schemes opted for becoming DGS acknowledged under the Directive, the costs for banks adhering to them would be considerably lower since existing funds would be fully taken into account. However, due to a lack of information about their current fund size it can only be guessed that the impact would be lower. In 2008, the German Minister of Finance was quoted in the press with a statement that the German voluntary scheme had a size of €4.8 billion<sup>148</sup>. For cooperative banks, such a fund size would mean 0.84% of deposits and for the savings banks 0.44% of deposits. However, this impact has to be compared with the impact on other banks (see Annex 5 and 14) and is relatively low.

As to the impact on bank interest rates and fees, no estimation is possible for Germany (due to the lack of data) but generally, the impact of rising contributions to DGS on depositors is low (0.09% lower interest rates in the EU and about €4 higher fees in the EU (see Annex 6).

Option 3 would force any bank into a DGS and the operations of other schemes would cease. No problems linked to the existence of these schemes such as inappropriate coverage and a lack of depositor information would exist. The fragmentation of DGS would also be reduced. The impact on depositors would be low since the current quasi unlimited coverage of voluntary DGS does not seem to be credible. If such schemes had to apply the same rules as others, they would likely cease their operation. The funds of the schemes could be redistributed to members who could finance contributions to DGS with it.

### Comparison of policy options

#### Effectiveness

Option 1 would not contribute to improving depositor information. The fact that depositors do not have a claim for reimbursement on mutual and voluntary schemes in case of failure, the coverage of depositors would not be effectively ensured with negative consequences for financial stability.

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<sup>146</sup> This may include interbank deposits since they are also covered by the mutual schemes. The real impact (since DGS only cover retail deposits) would in this case be much lower. No clarification could be obtained.

<sup>147</sup> Currently, the contribution to the German DGS for private banks is set at 0.016% of eligible deposits.

<sup>148</sup> Handelsblatt of 19 February 2009 (<http://www.handelsblatt.com/finanzen/vorsorge/einlagensicherung-das-grosse-versprechen;2162821>).

Option 2 would be effective in ensuring appropriate coverage of depositors, in particular if a mutual scheme collapsed. Depositor information would be improved. It would also be effective with regard to the objective to facilitate private sector solutions in crisis situations. This option would not effectively reduce fragmentation since mutual schemes continued to coexist alongside statutory DGS but due to the obligation for DGS to cover failures if a mutual scheme collapses, risk would be distributed to two schemes and therefore the negative effects of fragmentation would be mitigated.

Option 3 would be less effective as to the general objective of financial stability since mutual schemes are an additional safeguard mechanism. This option would also be incoherent with the objective to facilitate private sector solutions in crisis situations. However, option 3 would be very effective to mitigate fragmentation, would resolve any possible competitive distortions and would not imply additional costs to schemes. Option 3 would not resolve but mitigate competitive distortions if mutual and voluntary schemes are treated like DGS or in case of mutual schemes if they have to pay contributions to the scheme and coverage in case of payout is limited.

### Efficiency

Options 1 and 3 do not lead to direct financial costs. In an extreme case, mutual and voluntary schemes could even refuse payment to depositors<sup>149</sup>. There are no benefits either under Option 1. However, the fact that depositors have no claims against the schemes and do not know how many funds they have at hand, reduces their credibility and thus consumer confidence. This could lead to high social costs in case of bank runs. Most likely, the taxpayer would bear these costs in the end.

Option 3 would be less efficient than Option 1 since the costs to manage crises among their members would rise if the mutual schemes had to cease their operations. Options 1 and 2 would leave this function intact and thus be more efficient. Option 2 would seem to lead to significant costs if mutual schemes do not want to turn into DGS under the Directive, which would not lead to any disadvantages for them since they could maintain their mutual support function as to bank resolution. However, even if they have to pay contributions to two schemes, the benefits for depositor confidence and financial stability cannot be calculated but are estimated to outweigh the costs. This seems to be proven by the Austrian example where members of a mutual scheme also have to pay into the DGS, even if ex-post only.

### Coherence

Option 3 – as far as mutual schemes are concerned – would be inconsistent with Article 80(8) of Directive 2006/48/EC since this Directive would allow what is prohibited in the same context of financial stability. Option 1 would also be inconsistent with this Article since stricter prudential conditions would be required for prudential purposes than for the protection of depositors.

Conclusion: Option 2 is preferred. It would allow maintaining depositor confidence, mitigating fragmentation and mitigating competitive distortions.

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<sup>149</sup> Frankfurter Allgemeine Zeitung of 10 November 2009, p. 22 (on a lawsuit concerning interbank deposits not covered by DGS but under the German voluntary scheme, which refused repayment in a specific case).

## **ANNEX H: ADDITIONAL ISSUES RAISED BY STAKEHOLDERS**

### *Harmonisation of the statute of limitation*

Directive 94/19/EC (Article 3) allows a statute of limitation – only one day longer than the payout delay. With Directive 2009/14/EC that has slightly reduced the payout delay depositors could be caught out with their claims against the DGS after only some weeks, which seems too short. Without stating a certain timeframe, the statute of limitation would better be linked to the registration deadline of claims in the insolvency procedure so that DGS would not have to payout depositors when they cannot get recovery for these claims in the insolvency procedure anymore.

### *Handling of deposits held on behalf of several depositors (e.g. trust accounts)*

Under Article 8 of Directive 94/19/EC, Member States can decide whether accounts belonging to several persons can be treated as one single account or whether the coverage level should be applied to every beneficiary of such account. Any attempt to harmonise this would be complicated since 27 different civil laws on associations, trusts, etc. would have to be taken into account. It would be very burdensome for the DGS if it was required to look behind every trust account. Whether this is possible can only be decided by the Member States and should therefore remain as it is. However, if Member States wish to go beyond the trustee account holder and to identify beneficiaries, this should be taken into account for the calculation of contributions and a longer payout delay should be allowed.

### *Taxpayer's contribution to DGS funding*

The recent crisis has shown that the use of taxpayers' money has led to budgetary deficits. The use of taxpayers' money should therefore be avoided as much as possible.

### *Reintroduction of co-insurance*

Co-insurance has been abolished by Directive 2009/14/EC since it reduced the effectiveness of depositor protection and was unfair since depositors protected by the Directive are not in a position to judge the soundness of their bank.

### *Excluding high-risk banks from DGS*

Excluding high-risk banks from DGS would be counterproductive because it would limit the protection of depositors. Supervisory measures should be taken and the introduction of risk-based contributions should serve as sufficient incentive to deter banks from becoming 'high-risk' banks.

### *Including deposits of investment funds*

It is argued that such deposits (being subject to Annex I no. 5 of Directive 94/19/EC) should be mandatorily covered by DGS since these deposits belonged in the end to unit holders. However, an inclusion of investment funds would be incoherent since the impact of bank failures on collective investment undertakings is already taken into account by Article 52(1)(b) of Directive 2009/65, which limits *any* investment (including deposits) to 20% of the fund's size. A further safeguard does therefore not seem necessary. This is probably why these deposits are only covered in 3 Member States (DK, FI and SE).

## ANNEX J: PREFERRED OPTIONS (SUMMARY)

| Problem driver   | Operational objective   | Policy options indicated as preferred in the Impact Assessment  |
|--|---|---|
| <b>Level and scope of coverage</b>                               |   |   |
| Inappropriate coverage levels<br>Differences in coverage levels  | Determining appropriate coverage level<br>Reducing differences in coverage levels<br>Providing alternative solutions to topping up                          | Fully harmonised (fixed) coverage level of € 100 000 in all MS – to be applied from 31 December 2010 onwards<br>Full harmonisation of the coverage level makes topping up obsolete<br>Application of the coverage level: per depositor per bank (no coverage per brand)<br>No exemptions from the fixed coverage level (no indefinite grandfathering for social considerations, no additional coverage for temporary high deposit balances, etc.)   |
| Differences in the scope of coverage (eligibility of depositors) | Reducing differences in the scope of coverage<br>Providing alternative solutions to current topping up regime   | Full harmonisation of scope and eligibility makes topping up obsolete.<br>Including the following depositors into the scope of coverage: all enterprises (regardless of their size), depositors having a relationship with the failed bank<br>Excluding the following depositors from the scope of coverage: enterprises in the financial sector, local and central authorities, depositors who opened their account anonymously  |
| Differences in the scope of coverage (covered products)          |   | Including the following products into the scope of coverage: deposits in non-EU currencies (currently optional)<br>Excluding the following products from the scope of coverage: debt certificates issued by the same bank and debt securities and liabilities arising out of own acceptances and promissory notes (currently optional), structured products whose principal is not repayable in full<br>Clarifying that if a claim on a credit institution is subject to both ICS and DGS, the claim should be dealt with by the DGS        |
| <b>Payout delay and modalities</b>                               |   |   |
| Too long payout delay  | Requiring a fair payout delay (as short as possible, but feasible)<br>Providing alternative solutions to deposit payout                                     | Reducing the payout deadline to 7 calendar days (without extension) after a transition period of 3 years (requirements: tagging eligible deposits, single customer view, etc.)<br>Leaving alternative solutions to further work on bank resolution (COM(2009)561)   |
| Inadequate procedures for payout                                 | Ensuring clear and fair payout modalities<br>Limiting set-off   | Payout of covered deposits in the same currency as the deposits were paid in<br>Interest paid out according to the rate agreed with the bank until the date of failure if it can be determined<br>Discontinuing set-off for depositors, but limiting set-off in the insolvency procedure (against the DGS that has subrogated into the depositors' claims against the bank)   |
| Inadequate procedures for payout                                 | Ensuring that DGS are capable to deal with payout situations<br>Involving DGS at an early stage<br>Improving information exchange between banks and schemes | Requiring competent authorities to inform DGS by default if a bank failure becomes likely and requiring banks and DGS to exchange information on depositors domestically and cross-border unfettered by confidentiality requirements<br>Requiring DGS and their member banks to have a common interface to quickly exchange information<br>Requiring DGS to regularly disclose the amount of ex-ante funds, ex-post financing capacity, workforce and the result of regular stress testing exercises and of a regular peer review among DGS |

| Financing of DGS   |   |  |
|--|---|--|
| Different financing obligations on banks across MS                     | Increasing convergence between DGS  | <p>Harmonised approach to funding mechanisms (i.e. making ex-ante financing mandatory and supported by ex-post funding) and setting limits for both ex-ante and ex-post contributions (e.g. 75% and 25% of the total fund respectively)</p> <p>Harmonisation of the target level, the contribution base, the scope of coverage and limits for ex-ante/ex-post funds (to be achieved within a specified period of time, e.g. 10 years)</p> <p>Requiring annual contributions without down payments if a bank joins the scheme</p> <p>Requiring DGS to reimburse the last annual contribution of a bank if it becomes a member of another DGS due to changes of its legal status</p> |
| Bank contributions to DGS are too low                                  | Enhancing DGS funding   | <p>Setting a relevant target level for the DGS funds (both ex-ante and ex-post) in order to ensure that DGS would be capable to handle a bank failure of a specific size (e.g. 2% of the amount of eligible deposits, i.e. the maximum DGS payout for a failure occurred in the EU MS in 2008) – it would allow DGS to collect within 10 years about € 150 billion of ex-ante funds and € 50 billion available as ex-post contributions (if bank annual contributions were 4-5 times higher within those 10 years)</p> <p>Borrowing by DGS allowed but not necessarily harmonised</p>  |
| Bank contributions to DGS are not based on risk exposures              | Providing for contributions to schemes, which adequately reflect the degree of risk incurred by banks   | <p>Total amount of bank contributions depends on both the contribution base (covered deposits) and risk indicators</p> <p>Developing a set of core risk indicators (mandatory for all MS) and another set of supplementary indicators (optional for MS)</p>  |
| Other issues   |   |  |
| Insufficient depositor information on functioning of DGS               | Clarifying and elaborating existing information obligations of banks  | <p>Developing a standardised template (annexed to the Directive) that includes relevant information on DGS and must be countersigned by depositors before entering into a contractual relationship with a bank</p> <p>Requiring a reference to DGS in advertisements and account statements if a product is covered by DGS</p>   |
| Limited mandate of DGS - lack of mechanisms for bank resolution        | <p>Ensuring adequate funding for DGS with additional tasks</p> <p>Ensuring that DGS with intervention powers remain sufficiently funded to fulfil their payout obligation if they are charged with additional tasks</p> | Not requiring DGS to be in charge of bank resolution. However, if a DGS has a resolution mandate, permitting the use of DGS funds for bank resolution purposes, but limited to the amount that would have been necessary to pay out covered deposits.  |
| Cross-border cooperation   |   | Requiring host country DGS to act as a single point of contact for depositors in case of a bank failure.   |
| Pan-EU DGS   |   | <p>A pan-EU DGS would be effective to overcome fragmentation of schemes. However, some legal aspects have to be examined in more detail.</p> <p>System of mutual borrowing between DGS</p>   |
| Exemption of mutual and voluntary guarantee schemes from the Directive |   | Requiring that banks being members of mutual guarantee schemes also have to be members of a DGS (but pay half of the pre-determined contribution which is paid by the banks in the same risk category, if their mutual guarantee scheme is separate from the DGS where they are members). Applying the same conditions to all schemes, whether mutual, voluntary or statutory.   |

Source: Commission services.

## **ANNEX K: COSTS ANALYSIS: IMPACT ON DGS AND MEMBER BANKS (SUMMARY)**

The introduction of the DGS Directive will have a number of effects for DGS and their member banks, such as the increase of the level of coverage or the reduction of the payout period. Some of these effects might involve a cost for the DGS and/or their members. This section is aimed at analysing the administrative costs that could be imposed by introducing new Regulations/Directive; the analysis follows the Standard Cost Model (SCM) methodology<sup>150</sup>. The SCM is a method for determining the administrative burdens for businesses imposed by regulation; it is a quantitative methodology that can be applied in all countries and at different levels. It is developed by a network of countries (within and outside the EU<sup>151</sup>) which committed themselves to using the same methodological approach when measuring and tackling administrative burdens.

According to SCM analysis, the costs that DGS and their members may incur can be classified in different categories: (i) direct financial costs (e.g. cost for banks resulting from an increase in contributions);<sup>152</sup> (ii) indirect financial costs (e.g. IT changes required for banks to comply with the Directive, such as adding eligibility flags for account set-up); (iii) long-term structural costs (e.g. if for example in order to comply with the Directive, banks or DGS have to hire additional people on a permanent basis); (iv) business as usual administrative costs: information that would be collected and processed by businesses even in the absence of the legislation; and (v) administrative burden: part of the administrative costs that incurred in order to meet the information reporting obligations resulting from the Directive.

The below table summarizes the effects of the Directive and its cost implications for DGS and its member banks. It lists for each one of the potential effects of the Directive, what are the different categories of costs that will be incurred by banks and DGS. If we take aside the direct financial costs, the effects that will most likely have the biggest cost impact on banks/DGS are the changes in the payout procedures (see last row of the Table), since costs related to all the other potential effects of the Directive do not seem to be as substantial as those for the changes in payout procedures. Direct Financial Costs have not been divided into costs for members and for DGS, because the estimated costs can be apportioned among members or can be borne directly by the involved DGS. As an example, many MS increased their level of coverage, but none of their DGS (but GR) has raised their contributions correspondingly.

The table shows that from a cost category point of view (again taking aside the direct financial costs), the most important category is the indirect financial cost that mainly involves IT related changes. Administrative costs resulting from the Directive (administrative burden) also exist, but they should not be substantial compared to the indirect financial costs. Concerning administrative burden costs, these costs are not substantial comparable to the indirect financial cost.

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<sup>150</sup> The Standard Cost Model (SCM) is a method for determining the administrative burdens for businesses imposed by regulation. It is a quantitative methodology that can be applied in all countries and at different levels. It is developed by a network of countries (within and outside the EU) which committed themselves to using the same methodological approach when measuring and tackling administrative burdens. Following the SCM, costs can be classified into: direct and indirect financial costs, long term structural costs, business-as-usual administrative costs, and administrative burden. For more details: [http://www.administrative-burdens.com/filesystem/2005/11/international\\_scm\\_manual\\_final\\_178.doc](http://www.administrative-burdens.com/filesystem/2005/11/international_scm_manual_final_178.doc).

<sup>151</sup> The EU countries which are not members of this network are: BG, LU, HU, MT, and SK.

<sup>152</sup> This cost category has been analysed in the relevant sections of the IA and thereby this annex focuses on the remaining categories.

|  |       | Direct Financial Costs  | Indirect Financial Costs  | Long Term Structural Costs | Business As Usual Administrative Costs | Administrative Burden   |
|--|-------|---|---|----------------------------|--|---|
| Change in the level of coverage  | Banks | YES - In case of increase in the level of coverage  | YES, although NOT SUBSTANTIAL:<br>Example: Marketing material to be discarded | NO                         | NO                                     | YES, although NOT SUBSTANTIAL. Updating documentation (to clients such as account opening forms, internal procedures)   |
|  | DGS   |   | YES - One-off cost (most likely not Substantial)                              |                            |  | YES, although NOT SUBSTANTIAL. Updating Documentation   |
| Discontinuation of topping up procedures   | Banks | NO  | NO  | NO                         | NO                                     | NO <sup>153</sup>   |
|  | DGS   |   | NO  |                            |  | NO  |
| Changes in the funding mechanism and in the scope of covered products and depositors | Banks | YES - In case of increase in Members' contributions or in case of additional products covered | YES - IT related such as Changing Account Set up flags.                       | NO                         | NO                                     | YES, although NOT SUBSTANTIAL:<br>1) potential IT changes <sup>154</sup> resulting from new information obligations (e.g. amount of eligible/covered deposits or accounting data) <sup>155</sup><br>2) updating documentation (addressed to clients such as account opening forms or internal procedures) |
|  | DGS   |   | YES - One-off cost <sup>156</sup> (most likely not significant).              |                            |  | Assuming there are no new reporting obligations from DGS towards authorities (e.g. Supervisory Authority, Central Bank), NON SUBSTANTIAL costs are related to updated documentation.  |

<sup>153</sup> It could potentially be reduced in some MS if information would be collected only by the home-country scheme.

<sup>154</sup> IT changes related to information obligations should be included as part of the Administrative Burden (and not as Indirect Financial Costs).

<sup>155</sup> We are assuming that the new reporting obligations will not require additional time compared to current obligations.

<sup>156</sup> According to the SCM Report available at [http://www.administrative-burdens.com/filesystem/2005/11/international\\_scm\\_manual\\_final\\_178.doc](http://www.administrative-burdens.com/filesystem/2005/11/international_scm_manual_final_178.doc), one-off costs are costs that are only sustained once in connection with the businesses adapting to a new or amended legislation/regulation.



|                                      |       | Direct Financial Costs   | Indirect Financial Costs  | Long Term Structural Costs   | Business As Usual Administrative Costs  | Administrative Burden  |
|--------------------------------------|-------|--|---|--|---|--|
| Changes in payout procedures         | Banks | NO   | YES - e.g. IT changes: 1.- Changing Account Set up flags 2.- Harmonization of data requirements to be provided in case of default                       | NO   | NO <sup>157</sup>   | NO <sup>158</sup>  |
|                                      | DGS   |  | Difficult to asses given lack of info received from DGS. (Data received from Members would need to be harmonized. This would probably need IT changes). |  |   | NO   |
| Discontinuation of set-off practices | Banks | NO - As contributions do not typically take set-off into account | NO  | NO   | NO <sup>159</sup>   | NO   |
|                                      | DGS   |  | NO  |  |   | NO   |
| Establishment of Pan-EU              | Banks | YES, in case of harmonization of funding or scope and coverage.  | YES, for instance harmonization of data requirements or IT changes.   | YES, the establishment of a new entity would require additional workforce. | YES, the establishment of a new entity would require additional administrative workforce. | YES, substantial or not, depending on the design of the Pan-EU, for instance updating documentation or data requirements on a regular basis. |
|                                      | DGS   |  | YES, for instance harmonization of data requirements or IT changes.   |  |   | YES, substantial or not, depending on the design of the Pan-EU, for instance updating documentation or data requirements on a regular basis. |

Source: Joint Research Centre.

<sup>157</sup> It could potentially be reduced in some MS if the collection of claims is eliminated in case of a bank failure and schemes pay out on their own initiative.

<sup>158</sup> We are assuming there are no new reporting obligations. The IT changes under Indirect financial costs are intended to cover the changes in the payout procedures.

<sup>159</sup> It could potentially be reduced in some MS if information on loans is not collected eliminated in case of bankruptcy.

## STATISTICAL ANNEXES: SOURCES, DEFINITIONS AND METHODOLOGIES

Unless otherwise specified, all quantitative data from the Commission's Joint Research Centre (JRC) have been collected through a survey distributed across EU DGS (MS = Member States).

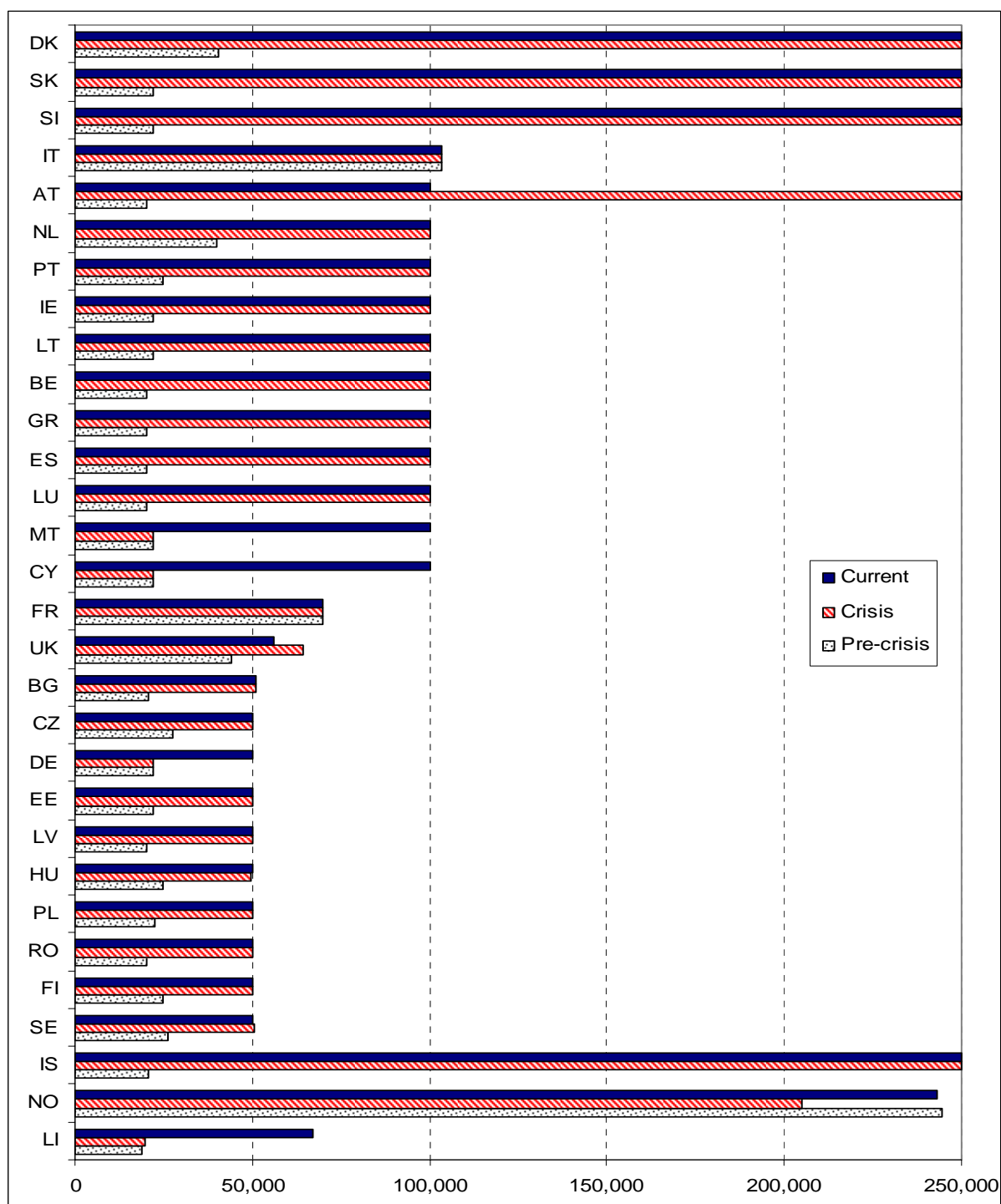
| Data                                     | # of Annex            | Definition   | Source if not DGS                                    | Methodology   |
|--|-----------------------|--|--|---|
| <b>Total deposits</b>                    | 2, 10                 | Any deposit as defined in Article 1(1) of Directive 94/19/EC, excluding those deposits left out from any repayment by virtue of Article 2.                         | Eurostat (ES, FR, LT, NL, UK); Central Bank (CY, LU) | The estimated amount and the number of deposits under different levels of coverage are based on the distribution of deposits in Member States. These distributions have been obtained either by DGS (BG, EE, ES, IT, CY, LV,LT,HU, MT, NL, AT1, AT3, PT, RO, SI) or banking associations (BE, PT, FI, SE, UK). In case of missing data the distribution of deposits was obtained on the basis of distributions available for other Member States, looking at macroeconomic variables such as the savings rates or the GDP per inhabitant. A number of technical assumptions are behind these estimates. |
| <b>Eligible deposits</b>                 | 2, 3, 10              | Deposits repayable by the guarantee scheme under your national law, before the level of coverage is applied.   | Eurostat (IE, FR, NL); Central Bank (DK, CY)         | -   |
| <b>Covered deposits</b>                  | 2, 3, 9a              | Deposits obtained from eligible deposits when applying the level of coverage provided for in every national legislation.   | -  | Estimates from analogy with other MS (BE, DE, IE, FR, SK, UK), and from the dataset (CY, NL).   |
| <b>Fund</b>                              | 13, 14, 18            | Amount of money collected by the DGS in the previous years.  | -  | -   |
| <b>Contributions</b>                     | 4, 9b, 11, 13, 14, 18 | Amount of money collected by the DGS among its members, in advance or in case of intervention, to cover its administrative expenses and its interventions.         | -  | -   |
| <b>Level of coverage</b>                 | 1, 4                  | Level of protection granted under national law in the event of deposits being unavailable.   | -  | Given the variation in banks' contributions under different levels of coverage, it is assumed that additional fees impact only on a bank's operating profit (see definition in the statistical annex). Thus the variation in the operating profit is computed.  |
| <b>Distribution of eligible deposits</b> | -                     | Amount of eligible deposits held in the following buckets: [0-20 000]; [20 000-50 000]; [50 000-100 000]; [100 000-150 000]; [150 000-200 000]; [200 000-500 000]. | Banking Associations (BE, PT, FI, UK).               | Estimated from analogy with other MS (CZ, DK, DE, IE, GR, FR, LU, PL, SK, SE) which provided for the distribution of eligible deposits.   |
| <b>Distribution of covered deposits</b>  | 3, 4                  | Amount of covered deposits held in the following buckets: [0-20 000]; [20 000-50 000]; [50 000-100 000]; [100 000-150 000]; [150 000-200 000]; [200 000-500 000].  | -  | The amount of covered deposits in each bucket is estimated starting from the distribution of eligible deposits and taking into account the hypothesized level of coverage.<br><br>Given the distribution of deposits, the increase in the amount of covered deposits under different levels of coverage can be estimated. It is assumed that DGS contributions are proportional to the increases in covered deposits.   |

| Data   | # of Annex                        | Definition  | Source if not DGS            | Methodology   |
|--|-----------------------------------|---|------------------------------|---|
| <b>Distribution of the number of eligible deposits</b>       | 2, 3                              | Number of eligible deposits held in the following buckets: [0-20 000]; [20 000-50 000]; [50 000-100 000]; [100 000-150 000]; [150 000-200 000]; [200 000-500 000].  | -                            | The number of eligible deposits in each bucket is estimated as the average between the maximum and minimum number of deposits (BE, DK, DE, IE, GR, FR, LT, LU, MT, NL, PL, SK, FI, SE, UK).   |
| <b>Number of fully covered deposits</b>                      | 2, 3                              | Number of deposits which are fully covered under different level of coverage.   | -                            | The number of deposits which are fully covered is estimated starting from the distribution of the number of eligible deposits and taking into account different level of coverage.  |
| <b>Operating profit</b>                                      | 5, 9c, 11c, 12f, 14d, 19, 21a, 22 | The operating profit is an accounting measure covering the bank's normal/core business operations (i.e. excluding extraordinary/ exception amounts or other items such as taxes that are not directly related to banks' core business). | Bankscope                    | Additional contributions for banks under different levels of coverage are assumed to be entirely passed onto consumers as decreases in the interest rates for their saving accounts or as an increase in their yearly account fees. The impacts have been estimated only for ex-ante DGS.<br><br>The impact on banks is estimated as a variation in bank operating profits (this variation is linked to the variation in contributions). The samples of banks in most MS are usually small. Moreover, some banks (with extremely high variation of the operating profit) have been excluded from the sample.  |
| <b>Number of house purchases</b>                             | 8                                 | -   | European Mortgage Federation | MS with available number of house purchases time-series (BE, DK, DE, EE, ES, IE, FR, IT, LV, LU, HU, NL, PL, FI, SE, UK): the average number of house purchases has been estimated as the average of the number of house purchases over the period 1998-2007.<br>MS with no data available: the number of house purchases has been estimated by applying to the number of households the EU average ratio number of house purchases/number of households.<br><br>The increases in covered deposits are estimated from the distribution of temporary high deposits balances (THDB) by hypothesizing different levels of coverage.<br><br>The distributions of temporary high deposits balances are estimated under a number of assumptions, since no data are available from any EU DGS. The money related to house purchases is assumed to stay on a bank account for a specified time horizon (e.g. 3, 6, 12 months, etc.) |
| <b>Impact of inclusion / exclusion of certain depositors</b> | 11                                |   |                              | In this analysis it is hypothesized that every DGS continues to apply its current funding mechanism (as of 01 January 2009). Only the amount of contribution base varies by including or excluding the various classes. Contributions' changes are due to changes in each DGS contribution base. Data on the amount of deposits for each selected classes are mainly from Eurostat since few DGS could provided some information.   |
| <b>Impact on tagging / data cleansing /</b>                  | 12d,e,f                           |   | Report "Fast payout study –  | Data on costs for data cleansing/tagging and SCV were obtained from the report available at <a href="http://www.fsa.gov.uk/pubs/other/fast_payout_report.pdf">http://www.fsa.gov.uk/pubs/other/fast_payout_report.pdf</a> .   |

| Data                            | # of Annex | Definition  | Source if not DGS                            | Methodology   |
|---------------------------------|------------|---|--|---|
| single customer view (SCV)      |            |   | Final report", Ernst & Young, November 2008, | The costs estimated in this report are rescaled for the other EU MS based on the amount of deposits eligible for protection. The costs obtained for banks are measured as a variation in the operating profit (12f). Costs are assumed to be entirely passed onto consumers as decreases in interest rates or as an increase in yearly account fees (12e). The impacts have been estimated only for ex-ante DGS |
| Maximum amount of contributions | 13         | Maximum amount of money collected by the DGS among its members. Contributions are increased up to a maximum amount (specified in the DGS' statute) only under particular circumstances, specified in each DGS' statute. | DGS' statute                                 | Estimated following the description reported in the DGS statute.  |
| Total fund                      | 13, 14, 18 | It is the sum of the Fund, contributions and additional contributions that DGS can levy.  | -  | Total Fund = Fund + Contributions + Extraordinary Contributions, or<br>Total Fund = Fund + Maximum amount of Contributions  |
| Borrowing limit                 | 24         | Estimate of the maximum amount of money that MS could borrow.   | -  | Estimated as a percentage of the amount of covered deposits. The percentage is the ratio between the maximum amount of US borrowing resources and its amount of insured (covered) deposits.   |
| Ex-ante MS                      | 14, 26     | MS whose funding mechanism collects contributions from member banks in advance on a regular basis.  | -  | -   |
| Ex-post MS                      | 14         | MS whose funding mechanism does not collect contributions from member banks in advance on a regular basis.  | -  | -   |
| Additional contributions        | 16, 17     | Contributions (collected by ex-ante MS) which are not collected on a regular basis but only in case of need and they are clearly defined in the statutes as extraordinary contributions or maximum contributions.       | -  | It is the difference between the maximum amount of contributions and contributions.   |
| Borrowing                       | 23         |   |  | For every DGS, a borrowing limit has been set as a percentage (1.75%) of the total amount of covered deposits. The percentage has been estimated according to the US data, i.e. the ratio between the borrowing limit and the total amount of deposit insured by the US-FDIC in 2008. Contributions to pay the loan back within 10 years have been estimated.   |

Source: Joint Research Centre.

**ANNEX 1: COVERAGE LEVELS IN EU MEMBER STATES AND EEA COUNTRIES BEFORE AND AFTER THE AGGRAVATION OF THE FINANCIAL CRISIS (AS OF 1 JANUARY 2010) \***



\* Note: Pre-crisis period – as of 15 September 2008; crisis – October-December 2008; current situation: as of 1 January 2010. For non-euro area countries, € equivalents have been calculated on the basis of relevant ECB exchange rates (see footnote 1 in the below table). For scaling purposes, the coverage level for Member States with unlimited coverage is shown as € 250 000. Political declarations on increasing coverage levels or unlimited deposit guarantees, which were not followed by any legislative actions in autumn 2008, as well as guarantees for selected banks only, have not been taken into account.

\*\* See comments in the below table.

|    | Coverage level (€) <sup>1</sup> |                                    |   | Developments related to the level of coverage  |
|----|---------------------------------|------------------------------------|---|--|
|    | pre-crisis                      | crisis                             | current   |  |
| BE | 20 000                          | 100 000                            | 100 000   | The level was first raised to € 50 000 (7 Oct 2008) and then to € 100 000 (17 Nov 2008).   |
| BG | 20 452                          | 51 129                             | 51 129  | On 18 Nov 2008, the level was raised from BGN 40 000 to BGN 100 000 (equivalent of € 51 129).  |
| CZ | 27 778<br>(10% co-insurance)    | 50 000                             | 50 000  | The law of 15 Dec 2008 raised the level to € 50 000 and discontinued co-insurance (with immediate effect).   |
| DK | 40 229 <sup>2</sup>             | 40 306 <sup>2</sup><br>+ unlimited | 50 000<br>+ unlimited<br>[100 000] <sup>3</sup> | The law of 10 Oct 2008 gave unlimited state guarantees until 30 Sep 2010 – for the amounts not covered by the Danish DGS (i.e. above DKK 300 000). The law of 1 May 2009 raised the level to € 50 000 (from 30 Jun 2009) and then to € 100 000 (from 1 Oct 2010).  |
| DE | 22 222<br>(10% co-insurance)    | 22 222<br>(10% co-insurance)       | 50 000<br>[100 000] <sup>3</sup>                | The law of 14 May 2009 raised the level to € 50 000 and discontinued co-insurance (from 30 Jun 2009) and then to € 100 000 (from 31 Dec 2010). Before, on 5 Oct 2008, the govt publicly declared that all private savings were guaranteed by the German govt.  |
| EE | 22 222<br>(10% co-insurance)    | 50 000                             | 50 000  | The law of 14 Nov 2008 raised the level to € 50 000 and discontinued co-insurance (retroactively from 9 Oct 2008).   |
| IE | 22 222<br>(10% co-insurance)    | 22 222<br>(10% co-insurance)       | 100 000   | The law of 24 Jun 2009 gave effect to Directive 2009/14/EC and the Irish govt's commitment in Sep 2008 to provide increased coverage of € 100 000 (with no co-insurance). The effective date for that commitment was 20 Sep 2008. The law of 30 Sep 2008 gave unlimited state guarantees for 7 banks until 29 September 2010 – for the amounts not covered by the DGS in IE or other jurisdiction. |
| GR | 20 000                          | 100 000                            | 100 000   | On 7 Nov 2008, the level was temporarily increased to € 100 000 by law (until 31 Dec 2011). Before, on 2 Oct 2008, temporary unlimited coverage was set for individuals by a government declaration.   |
| ES | 20 000                          | 100 000                            | 100 000   | The law of 10 Oct 2008 raised the level to € 100 000 (from 11 Oct 2008).   |
| FR | 70 000                          | 70 000                             | 70 000  | The level was set on 9 Jul 1999 and unchanged since then.  |
| IT | 103 291                         | 103 291                            | 103 291   | The level was introduced on 17 Jan 1997 (ITL 200 million) and unchanged since then (converted to € on 1 Jan 1999).   |
| CY | 22 222<br>(10% co-insurance)    | 22 222<br>(10% co-insurance)       | 100 000   | On 8 Oct 2008, the govt announced its intention to raise the level to € 100 000. The law of 24 Jul 2009 raised the level to € 100 000 and discontinued co-insurance.   |
| LV | 20 000                          | 50 000                             | 50 000  | The law of 17 Oct 2008 raised the level to € 50 000 (from 18 Oct 2008).  |
| LT | 22 000<br>(10% co-insurance)    | 100 000                            | 100 000   | The law of 14 Oct 2008 temporarily raised the level to € 100 000 (for 1 year) and discontinued co-insurance (both effective from 1 Nov 2008). The law of 21 Jul 2009 made the level of € 100 000 permanent (from 4 Aug 2009).  |
| LU | 20 000                          | 100 000                            | 100 000   | The law of 19 Dec 2008 raised the level to € 100 000 (from 1 Jan 2009).  |
| HU | 24 905<br>(10% co-insurance)    | 49 430                             | 50 000  | On 8 Oct 2008, the level was raised from HUF 6 million to HUF 13 million (equivalent of € 49 430) and co-insurance was discontinued. At the same time, the govt declared unlimited deposit guarantees. The law of 29 May 2009 raised the level to € 50 000 (from 30 Jun 2009).   |

|           |  |   |   |  |
|-----------|--|---|---|--|
| <b>MT</b> | 22 222<br>(10% co-insurance)                     | 22 222<br>(10% co-insurance)                                    | 100 000   | On 8 Oct 2008, the govt announced its intention to raise the level to € 100 000. The law of 7 Aug 2009 raised the level to € 100 000 and discontinued co-insurance.  |
| <b>NL</b> | 40 000<br>(10% co-insurance)                     | 100 000   | 100 000   | On 7 Oct 2008, the level was temporarily increased to € 100 000 (until Oct 2009) and co-insurance was discontinued. On 10 March 2009, it was announced that this arrangement was extended indefinitely, and on 3 July 2009 this was formalised in legislation.   |
| <b>AT</b> | 20 000<br>(10% co-insurance for non-individuals) | unlimited<br>+ 50 000<br>(10% co-insurance for non-individuals) | 100 000<br>(individuals)<br>+ 50 000<br>[100 000] <sup>3</sup><br>(non-individuals) | On 1 Oct 2008, temporary unlimited coverage was set for individuals (until 31 Dec 2009); for non-individuals no changes except raising coverage for SMEs to € 50 000. The law of 20 Oct 2008 set the level for individuals at € 100 000 (from 1 Jan 2010). The law of 16 Jun 2009 raised the level for non-individuals to € 100 000 (from 1 Jan 2011) and discontinued co-insurance (from 1 Jul 2009). |
| <b>PL</b> | 22 500<br>(10% co-insurance)                     | 50 000  | 50 000  | The law of 23 Oct 2008 raised the level to € 50 000 and discontinued co-insurance (both effective from 28 Nov 2008).   |
| <b>PT</b> | 25 000   | 100 000   | 100 000   | The law of 3 Nov 2008 retroactively (from 12 Oct 2008) and temporarily (until 31 Dec 2011) raised the level to € 100 000.  |
| <b>RO</b> | 20 000   | 50 000  | 50 000  | On 15 Oct 2008, the level was raised to € 50 000 (for individuals only). The law of 24 Jun 2009 extended this coverage to microenterprises and SMEs (from 30 Jun 2009).  |
| <b>SI</b> | 22 000   | unlimited   | unlimited   | On 20 Nov 2008, temporary unlimited coverage was introduced (until 31 Dec 2010).   |
| <b>SK</b> | 22 222<br>(10% co-insurance)                     | unlimited   | unlimited   | The law of 24 Oct 2008 introduced unlimited coverage and discontinued co-insurance (both effective from 1 Nov 2008).   |
| <b>FI</b> | 25 000   | 50 000  | 50 000  | The law of 19 Dec 2008 raised the level to € 50 000 (retroactively from 8 Oct 2008).   |
| <b>SE</b> | 26 173   | 50 474  | 50 000  | On 31 Oct 2008, the level was raised from SEK 250 000 to SEK 500 000 (equivalent of € 50 474). The law of 17 Jun 2009 set € 50 000 as a minimum level (from 30 Jun 2009).  |
| <b>UK</b> | 44 083   | 64 329 <sup>2</sup>   | 56 092 <sup>2</sup>   | The law of 2 Oct 2008 raised the level from £ 35 000 to £ 50 000 - effective from 7 Oct 2008 (equivalent of € 64 329 as of the date of entry into force). The law of 28 May 2009 set the level at £ 50 000 or € 50 000 if greater (effective from 30 Jun 2009).  |
| <b>IS</b> | 20 887   | unlimited<br>(domestic deposits)                                | unlimited<br>(domestic deposits)  | On 6 October 2008, the Icelandic government declared unlimited coverage for deposits in domestic banks and their branches in Iceland (but not in foreign branches of Icelandic banks).   |
| <b>LI</b> | 18 864 <sup>2</sup>                              | 19 751 <sup>2</sup>   | 67 236  | On 27 Mar 2009, the level was raised from CHF 30 000 to CHF 100 000 (equivalent of € 65 954 at that time) - effective from 1 Apr 2009.   |
| <b>NO</b> | 244 409 <sup>2</sup>                             | 205 128 <sup>2</sup>  | 243 043 <sup>2</sup>  | The pre-crisis level of NOK 2 million has not been changed as a result of the crisis.  |

<sup>1</sup> For non-euro area countries, € equivalents have been used – calculated on the following ECB exchange rates: as of 15 September 2008 (pre-crisis period); as of the date of increasing the coverage level in a given Member State between October and December 2008, or - if no increase - as of 31 December 2008 (crisis period); as of 4 January 2010, i.e. the first working day in 2010 (current situation).

<sup>2</sup> The coverage level in the national currency unchanged – different figures for € equivalents due to exchange rate variations.

<sup>3</sup> Planned changes to the coverage level that have been envisaged in adopted national law.

Source: Data from Member States; Commission services' calculations based on ECB exchange rates.

**ANNEX 2: DATA ON THE AMOUNT AND NUMBER OF DEPOSITS IN MEMBER STATES  
(AS OF 31 DECEMBER 2007)**

| Member States | Total amount of deposits (in € thousands) |                      |                      | Number of deposits             |                        |
|---------------|---|----------------------|----------------------|--------------------------------|------------------------|
|               | Total deposits <sup>1</sup>               | Eligible deposits    | Covered deposits     | Eligible deposits <sup>2</sup> | Fully covered deposits |
| BE            | 418 000 000                               | 234 000 000          | 104 203 635          | 7 089 864                      | 4 749 621              |
| BG            | 20 011 078                                | 16 453 260           | 8 416 078            | 10 503 424                     | 10 408 988             |
| CZ            | 81 530 720                                | 75 784 888           | 36 014 721           | 14 571 797                     | 14 312 163             |
| DK            | 205 810 976                               | 194 986 000          | 68 648 352           | 3 179 673                      | 1 909 006              |
| DE            | 3 244 528 000                             | 2 365 528 000        | 1 952 842 121        | 78 033 794                     | 68 457 592             |
| EE            | 8 516 339                                 | 6 513 255            | 2 614 051            | 2 037 365                      | 1 993 904              |
| IE            | confidential                              | 203 329 118          | 90 545 441           | 6 819 401                      | 4 965 379              |
| GR            | 231 207 352                               | 162 624 584          | 45 342 658           | 5 767 108                      | 4 251 641              |
| ES            | 1 257 005 863                             | 815 509 600          | 360 085 300          | 87 328 803                     | 79 904 289             |
| FR            | 1 871 643 901                             | 1 765 519 727        | 1 236 735 659        | 58 240 783                     | 52 681 279             |
| IT            | 2 106 736 038                             | 574 377 415          | 402 347 830          | 44 363 926                     | 43 165 796             |
| CY            | 65 918 045                                | 59 113 956           | 20 445 000           | 963 103                        | 478 164                |
| LV            | 14 624 816                                | 11 966 456           | 2 969 375            | 2 289 882                      | 1 670 463              |
| LT            | 19 614 456                                | confidential         | confidential         | 640 491                        | 498 723                |
| LU            | 688 056 543                               | 103 969 600          | 12 953 500           | 3 487 009                      | 2 497 053              |
| HU            | 60 107 201                                | 44 421 235           | 23 331 888           | 16 888 554                     | 16 637 824             |
| MT            | 32 783 800                                | 6 728 864            | 2 354 324            | 246 701                        | 174 967                |
| NL            | 586 888 889                               | 445 595 855          | 343 853 038          | 14 258 125                     | 11 144 607             |
| AT            | 286 000 000                               | 211 409 819          | 124 948 903          | 17 890 150                     | 16 678 551             |
| PL            | confidential                              | confidential         | confidential         | 3 677 195                      | 3 155 439              |
| PT            | 183 986 884                               | confidential         | confidential         | 16 143 897                     | 15 105 103             |
| RO            | 58 230 615                                | 26 937 557           | 14 548 146           | 19 929 855                     | 19 737 553             |
| SI            | 19 530 540                                | 15 430 308           | 8 820 533            | 2 074 726                      | 1 760 810              |
| SK            | 35 070 000                                | 18 030 000           | 8 497 904            | 730 127                        | 622 372                |
| FI            | 96 576 837                                | 94 086 374           | 41 014 103           | 3 472 675                      | 2 434 399              |
| SE            | 378 647 461                               | 259 386 750          | 61 219 086           | 3 369 674                      | 1 408 534              |
| UK            | 4 311 271 463                             | 1 319 754 071        | 566 868 083          | 24 442 582                     | 17 259 885             |
| <b>EU</b>     | <b>16 797 827 066</b>                     | <b>9 271 701 898</b> | <b>5 661 966 190</b> | <b>448 440 684</b>             | <b>398 064 106</b>     |
| <b>EU-15</b>  | <b>16 231 736 208</b>                     | <b>8 888 681 327</b> | <b>5 478 035 593</b> | <b>373 887 465</b>             | <b>326 612 735</b>     |
| <b>EU-12</b>  | <b>566 090 858</b>                        | <b>383 020 571</b>   | <b>183 930 598</b>   | <b>74 553 219</b>              | <b>71 451 371</b>      |

<sup>1</sup> Interbank deposits not included.

<sup>2</sup> The number of eligible deposits = the number of covered deposits (every eligible deposit is covered at least to some extent)

Source: Joint Research Centre.



**ANNEX 3: POTENTIAL IMPACT OF THE HARMONISED COVERAGE LEVELS IN TERMS OF DEPOSIT PROTECTION**

**(a) Ratio of the amount of covered deposits to eligible deposits (€thousands)**

|              | As of end-2007 | Coverage level € 50 000 | Coverage level € 100 000 | Coverage level € 150 000 | Coverage level € 200 000 |
|--------------|----------------|-------------------------|--------------------------|--------------------------|--------------------------|
| BE           | 44.53%         | 57.0%                   | 70.2%                    | 79.4%                    | 87.3%                    |
| BG           | 51.15%         | 63.8%                   | 86.1%                    | 100%                     | 100%                     |
| CZ           | 47.52%         | 58.5%                   | 71.3%                    | 81.0%                    | 88.5%                    |
| DK           | 35.21%         | 44.4%                   | 63.3%                    | 76.0%                    | 85.5%                    |
| DE           | 82.55%         | 61.4%                   | 74.6%                    | 83.1%                    | 89.8%                    |
| EE           | 40.13%         | 59.6%                   | 66.7%                    | 70.5%                    | 77.4%                    |
| IE           | 44.53%         | 60.0%                   | 73.6%                    | 82.4%                    | 89.3%                    |
| GR           | 27.88%         | 63.3%                   | 77.4%                    | 85.0%                    | 90.9%                    |
| ES           | 44.15%         | 70.0%                   | 74.9%                    | 84.7%                    | 92.6%                    |
| FR           | 70.05%         | 61.4%                   | 74.6%                    | 83.1%                    | 89.8%                    |
| IT           | 70.05%         | 57.2%                   | 65.6%                    | 72.0%                    | 80.1%                    |
| CY           | 34.59%         | 42.8%                   | 62.7%                    | 76.1%                    | 85.5%                    |
| LV           | 24.81%         | 38.0%                   | 56.3%                    | 71.8%                    | 84.4%                    |
| LT           | 53.86%         | 75.3%                   | 83.3%                    | 88.9%                    | 93.3%                    |
| LU           | 12.46%         | 60.0%                   | 73.6%                    | 82.4%                    | 89.3%                    |
| HU           | 52.52%         | 58.5%                   | 71.3%                    | 81.0%                    | 88.5%                    |
| MT           | 34.99%         | 68.7%                   | 83.2%                    | 89.3%                    | 93.5%                    |
| NL           | 77.17%         | 64.5%                   | 77.6%                    | 85.3%                    | 91.1%                    |
| AT           | 59.10%         | 53.6%                   | 63.6%                    | 71.6%                    | 78.7%                    |
| PL           | 55.15%         | 58.5%                   | 71.3%                    | 81.0%                    | 88.5%                    |
| PT           | 47.93%         | 55.1%                   | 68.3%                    | 78.0%                    | 86.5%                    |
| RO           | 54.01%         | 69.4%                   | 75.1%                    | 82.3%                    | 88.3%                    |
| SI           | 57.16%         | 71.9%                   | 85.0%                    | 90.3%                    | 94.9%                    |
| SK           | 47.13%         | 58.5%                   | 71.3%                    | 81.0%                    | 88.5%                    |
| FI           | 43.59%         | 69.2%                   | 82.0%                    | 88.7%                    | 93.4%                    |
| SE           | 23.60%         | 39.8%                   | 59.9%                    | 73.6%                    | 84.0%                    |
| UK           | 42.95%         | 47.4%                   | 65.6%                    | 77.5%                    | 86.4%                    |
| <b>EU</b>    | <b>61.1 %</b>  | <b>58.6 %</b>           | <b>71.8 %</b>            | <b>81.0 %</b>            | <b>88.4 %</b>            |
| <b>EU-15</b> | <b>61.6 %</b>  | <b>58.7 %</b>           | <b>71.8 %</b>            | <b>81.0 %</b>            | <b>88.4 %</b>            |
| <b>EU-12</b> | <b>48.0 %</b>  | <b>57.6 %</b>           | <b>71.4 %</b>            | <b>81.6 %</b>            | <b>89.4 %</b>            |

\* Ratio = Amount of covered deposits / Amount of eligible deposits

**(b) Ratio of the number of fully covered deposits to eligible deposits**

|              | As of<br>end-2007 | Coverage level<br>€ 50 000 | Coverage level<br>€ 100 000 | Coverage level<br>€ 150 000 | Coverage level<br>€ 200 000 |
|--------------|-------------------|----------------------------|-----------------------------|-----------------------------|-----------------------------|
| BE           | 66.99%            | 87.45%                     | 93.25%                      | 94.35%                      | 95.11%                      |
| BG           | 99.10%            | 99.34%                     | 99.42%                      | 99.50%                      | 99.57%                      |
| CZ           | 98.22%            | 98.33%                     | 98.83%                      | 99.11%                      | 99.30%                      |
| DK           | 60.04%            | 67.85%                     | 81.22%                      | 86.70%                      | 89.59%                      |
| DE           | 87.73%            | 88.12%                     | 93.96%                      | 95.39%                      | 96.39%                      |
| EE           | 97.87%            | 99.29%                     | 99.68%                      | 99.80%                      | 99.83%                      |
| IE           | 72.81%            | 87.84%                     | 93.85%                      | 95.35%                      | 96.29%                      |
| GR           | 73.72%            | 86.14%                     | 95.00%                      | 96.19%                      | 97.02%                      |
| ES           | 91.50%            | 94.15%                     | 98.58%                      | 98.76%                      | 98.93%                      |
| FR           | 90.45%            | 88.12%                     | 93.96%                      | 95.39%                      | 96.39%                      |
| IT           | 97.30%            | 96.10%                     | 97.26%                      | 97.91%                      | 98.36%                      |
| CY           | 49.65%            | 68.99%                     | 78.85%                      | 86.76%                      | 89.64%                      |
| LV           | 72.95%            | 98.66%                     | 98.81%                      | 98.96%                      | 99.10%                      |
| LT           | 77.87%            | 96.24%                     | 97.79%                      | 98.31%                      | 98.68%                      |
| LU           | 71.61%            | 87.84%                     | 93.85%                      | 95.35%                      | 96.29%                      |
| HU           | 98.52%            | 99.16%                     | 99.41%                      | 99.55%                      | 99.65%                      |
| MT           | 70.92%            | 85.39%                     | 95.47%                      | 97.42%                      | 97.94%                      |
| NL           | 78.16%            | 87.18%                     | 94.12%                      | 95.86%                      | 96.76%                      |
| AT           | 93.23%            | 97.61%                     | 99.05%                      | 99.17%                      | 99.29%                      |
| PL           | 85.81%            | 92.07%                     | 94.44%                      | 95.76%                      | 96.68%                      |
| PT           | 93.57%            | 92.89%                     | 92.89%                      | 92.89%                      | 92.89%                      |
| RO           | 99.04%            | 99.67%                     | 99.87%                      | 99.89%                      | 99.91%                      |
| SI           | 84.87%            | 97.59%                     | 99.21%                      | 99.31%                      | 99.41%                      |
| SK           | 85.24%            | 92.07%                     | 94.44%                      | 95.76%                      | 96.68%                      |
| FI           | 70.10%            | 88.21%                     | 95.52%                      | 96.92%                      | 97.90%                      |
| SE           | 41.80%            | 57.89%                     | 74.67%                      | 81.69%                      | 85.67%                      |
| UK           | 70.61%            | 72.52%                     | 84.29%                      | 89.05%                      | 91.43%                      |
| <b>EU</b>    | <b>88.8 %</b>     | <b>91.0 %</b>              | <b>95.4 %</b>               | <b>96.5 %</b>               | <b>97.2 %</b>               |
| <b>EU-15</b> | <b>87.4 %</b>     | <b>89.6 %</b>              | <b>94.7 %</b>               | <b>96.0 %</b>               | <b>96.7 %</b>               |
| <b>EU-12</b> | <b>95.8 %</b>     | <b>98.2 %</b>              | <b>98.8 %</b>               | <b>99.1 %</b>               | <b>99.3 %</b>               |

\* Ratio = Number of fully covered deposits / Number of eligible deposits

Source: Joint Research Centre; Commission services' calculations.

**ANNEX 4: POTENTIAL IMPACT OF THE HARMONISED COVERAGE LEVELS ON BANK CONTRIBUTIONS TO DGS**

| Member States | Coverage level in 2007 (€) | Contributions in 2008 (€ thousands) | New contributions (€ thousands) |                          |                          |                          |
|---------------|----------------------------|-------------------------------------|---------------------------------|--------------------------|--------------------------|--------------------------|
|               |                            |                                     | Coverage level € 50 000         | Coverage level € 100 000 | Coverage level € 150 000 | Coverage level € 200 000 |
| BE            | 20 000                     | 50 895                              | 65 168                          | 80 203                   | 90 752                   | 99 784                   |
| BG            | 20 452                     | 69 893                              | 87 200                          | 117 579                  | 141 980                  | 160 090                  |
| CZ            | 25 000                     | 63 969                              | 78 708                          | 96 002                   | 108 991                  | 119 109                  |
| DK            | 40 000                     | 0                                   | 0                               | 0                        | 0                        | 0                        |
| DE            | 22 222                     | n.a.                                | n.a.                            | n.a.                     | n.a.                     | n.a.                     |
| EE            | 20 000                     | 16 341                              | 24 255                          | 27 168                   | 28 721                   | 31 531                   |
| IE            | 22 222                     | 143 300                             | 192 943                         | 236 939                  | 265 284                  | 287 484                  |
| GR            | 20 000                     | 602 109                             | 512 369                         | 626 505                  | 688 027                  | 735 952                  |
| ES            | 20 000                     | 412 500                             | 564 198                         | 699 799                  | 791 322                  | 865 068                  |
| FR            | 70 000                     | 95 400                              | 83 646                          | 101 590                  | 113 230                  | 122 298                  |
| IT            | 103 291                    | 0                                   | 0                               | 0                        | 0                        | 0                        |
| CY            | 22 222                     | 24 656                              | 30 528                          | 44 721                   | 54 247                   | 60 979                   |
| LV            | 15 000                     | 24 334                              | 37 275                          | 55 234                   | 70 391                   | 82 748                   |
| LT            | 17 377                     | confidential                        | 65 946                          | 73 007                   | 77 922                   | 81 751                   |
| LU            | 20 000                     | 0                                   | 0                               | 0                        | 0                        | 0                        |
| HU            | 23 600                     | 3 897                               | 4 339                           | 5 292                    | 6 008                    | 6 566                    |
| MT            | 22 222                     | 713                                 | 1 400                           | 1 694                    | 1 820                    | 1 905                    |
| NL            | 40 000                     | 0                                   | 0                               | 0                        | 0                        | 0                        |
| AT            | 20 000                     | 0                                   | 0                               | 0                        | 0                        | 0                        |
| PL            | 22 500                     | confidential                        | 51 892                          | 63 294                   | 71 857                   | 78 528                   |
| PT            | 25 000                     | 47 877                              | 55 000                          | 68 181                   | 77 963                   | 86 369                   |
| RO            | 20 000                     | 24 962                              | 32 069                          | 34 702                   | 38 021                   | 40 803                   |
| SI            | 22 000                     | 0                                   | 0                               | 0                        | 0                        | 0                        |
| SK            | 20 000                     | 37 241                              | 46 201                          | 56 353                   | 63 977                   | 69 916                   |
| FI            | 25 000                     | 39 668                              | 62 979                          | 74 599                   | 80 717                   | 84 952                   |
| SE            | 26 479                     | 58 694                              | 99 035                          | 148 980                  | 183 093                  | 209 000                  |
| UK            | 47 700                     | 0                                   | 0                               | 0                        | 0                        | 0                        |
| EU*           | -                          | 1 812 589                           | 2 185 150                       | 2 611 841                | 2 954 323                | 3 224 831                |
| EU-15*        | -                          | 1 450 443                           | 1 725 338                       | 2 036 795                | 2 290 388                | 2 490 906                |
| EU-12*        | -                          | 362 146                             | 459 812                         | 575 046                  | 663 935                  | 733 925                  |
| EU**          | -                          | 95 399                              | 115 008                         | 137 465                  | 155 491                  | 169 728                  |
| EU-15**       | -                          | 181 305                             | 215 667                         | 254 599                  | 286 299                  | 311 363                  |
| EU-12**       | -                          | 32 922                              | 41 801                          | 52 277                   | 60 358                   | 66 720                   |

Note: The increases in contributions are proportional to the increase in the amount of covered deposits, thus the analysis has been performed only for ex-ante DGS. DE has been excluded because 2008 contributions were not available, DK has been excluded because it did not collect contributions in 2008.

\* Total contributions \*\* Average of the non zero contributions Source: Joint Research Centre.

**ANNEX 5: POTENTIAL IMPACT OF THE HARMONISED COVERAGE LEVELS ON OPERATING PROFITS OF BANKS (AVERAGE PERCENTAGE VARIATION) \***

| Member States | Coverage level<br>€ 50 000 | Coverage level<br>€ 100 000 | Coverage level<br>€ 150 000 | Coverage level<br>€ 200 000 |
|---------------|----------------------------|-----------------------------|-----------------------------|-----------------------------|
| BE            | -1.01%                     | -2.07%                      | -2.81%                      | -3.45%                      |
| BG            | -3.34%                     | -9.21%                      | -13.92%                     | -17.42%                     |
| CZ            | -1.55%                     | -3.36%                      | -4.72%                      | -5.79%                      |
| EE            | -11.13%                    | -15.23%                     | -17.42%                     | -21.37%                     |
| IE            | -3.43%                     | -6.47%                      | -8.43%                      | -9.96%                      |
| GR            | 3.19%                      | -0.87%                      | -3.05%                      | -4.76%                      |
| ES            | -2.05%                     | -2.43%                      | -3.21%                      | -3.83%                      |
| FR            | 0.05%                      | -0.03%                      | -0.08%                      | -0.11%                      |
| CY            | -0.68%                     | -2.33%                      | -3.43%                      | -4.21%                      |
| LV            | -4.75%                     | -11.35%                     | -16.91%                     | -21.45%                     |
| HU            | -0.04%                     | -0.13%                      | -0.19%                      | -0.24%                      |
| MT            | -0.41%                     | -0.58%                      | -0.66%                      | -0.71%                      |
| PT            | -0.29%                     | -0.83%                      | -1.24%                      | -1.58%                      |
| RO            | -1.83%                     | -2.51%                      | -3.37%                      | -4.08%                      |
| SK            | -2.22%                     | -4.73%                      | -6.62%                      | -8.09%                      |
| SE            | -0.81%                     | -1.82%                      | -2.50%                      | -3.02%                      |
| <b>EU</b>     | <b>-1.89%</b>              | <b>-4.00%</b>               | <b>-5.53%</b>               | <b>-6.88%</b>               |
| <b>EU-15</b>  | <b>-0.62%</b>              | <b>-2.07%</b>               | <b>-3.04%</b>               | <b>-3.82%</b>               |
| <b>EU-12</b>  | <b>-2.88%</b>              | <b>-5.49%</b>               | <b>-7.47%</b>               | <b>-9.26%</b>               |

\* The analysis is developed for ex-ante funded DGS whose contribution base is defined in terms of the amount of total, eligible or covered deposits. PL, NL, UK have been excluded because their contribution base is different than total, eligible or covered; DK has been excluded because it did not collect 2008 contributions; IT, LU, AT, and SI have been excluded because they are ex-post financed; DE has been excluded because 2008 contributions are not available; LT and FI have been excluded because the sample available from Bankscope was small.

Source: Joint Research Centre, Bankscope™ database.

## ANNEX 6: POTENTIAL IMPACT OF THE HARMONISED COVERAGE LEVELS ON DEPOSITORS

| Member States | Decrease in the interest rates on savings |                |                |                | Additional bank fees on current accounts<br>(€ per year per account) |                |                |                |
|---------------|---|----------------|----------------|----------------|--|----------------|----------------|----------------|
|               | Coverage level                            | Coverage level | Coverage level | Coverage level | Coverage level   | Coverage level | Coverage level | Coverage level |
|               | € 50 000                                  | € 100 000      | € 150 000      | € 200 000      | € 50 000   | € 100 000      | € 150 000      | € 200 000      |
| BE            | 0.006%                                    | 0.013%         | 0.017%         | 0.021%         | 0.63   | 1.29           | 1.76           | 2.16           |
| BG            | 0.105%                                    | 0.290%         | 0.438%         | 0.548%         | 1.65   | 4.54           | 6.86           | 8.59           |
| CZ            | 0.019%                                    | 0.042%         | 0.059%         | 0.073%         | 0.95   | 2.06           | 2.90           | 3.55           |
| DK            | n.a.                                      | n.a.           | n.a.           | n.a.           | n.a.   | n.a.           | n.a.           | n.a.           |
| DE            | n.a.                                      | n.a.           | n.a.           | n.a.           | n.a.   | n.a.           | n.a.           | n.a.           |
| EE            | 0.122%                                    | 0.166%         | 0.190%         | 0.233%         | 3.88   | 5.31           | 6.08           | 7.46           |
| IE            | 0.024%                                    | 0.046%         | 0.060%         | 0.071%         | 5.37   | 10.13          | 13.20          | 15.60          |
| GR            | n.a.                                      | n.a.           | 0.053%         | 0.082%         | n.a.   | n.a.           | 3.59           | 5.59           |
| ES            | 0.030%                                    | 0.035%         | 0.046%         | 0.055%         | 2.77   | 3.29           | 4.34           | 5.18           |
| FR            | n.a.                                      | 0.000 %        | 0.001 %        | 0.002 %        | n.a.   | 0.05           | 0.13           | 0.20           |
| IT            | n.a.                                      | n.a.           | n.a.           | n.a.           | n.a.   | n.a.           | n.a.           | n.a.           |
| CY            | 0.010%                                    | 0.034%         | 0.050%         | 0.061%         | 1.97   | 6.74           | 9.94           | 12.20          |
| LV            | 0.108%                                    | 0.258%         | 0.385%         | 0.488%         | 5.65   | 13.49          | 20.11          | 25.51          |
| LT            | 0.173%                                    | 0.238%         | 0.284%         | 0.319%         | 2.37   | 3.26           | 3.88           | 4.37           |
| LU            | n.a.                                      | n.a.           | n.a.           | n.a.           | n.a.   | n.a.           | n.a.           | n.a.           |
| HU            | 0.001%                                    | 0.003%         | 0.005%         | 0.006%         | 0.03   | 0.08           | 0.12           | 0.16           |
| MT            | 0.010%                                    | 0.015%         | 0.016%         | 0.018%         | 0.79   | 1.12           | 1.27           | 1.36           |
| NL            | n.a.                                      | n.a.           | n.a.           | n.a.           | n.a.   | n.a.           | n.a.           | n.a.           |
| AT            | n.a.                                      | n.a.           | n.a.           | n.a.           | n.a.   | n.a.           | n.a.           | n.a.           |
| PL            | 0.003%                                    | 0.016%         | 0.025%         | 0.033%         | 0.04   | 0.18           | 0.28           | 0.36           |
| PT            | 0.005%                                    | 0.015%         | 0.022%         | 0.028%         | 0.31   | 0.89           | 1.32           | 1.69           |
| RO            | 0.026%                                    | 0.036%         | 0.048%         | 0.059%         | 0.15   | 0.21           | 0.28           | 0.34           |
| SI            | n.a.                                      | n.a.           | n.a.           | n.a.           | n.a.   | n.a.           | n.a.           | n.a.           |
| SK            | 0.050%                                    | 0.106%         | 0.148%         | 0.181%         | 1.14   | 2.42           | 3.39           | 4.14           |
| FI            | 0.025%                                    | 0.037%         | 0.044%         | 0.048%         | 2.06   | 3.09           | 3.63           | 4.00           |
| SE            | 0.016%                                    | 0.035%         | 0.048%         | 0.058%         | 2.07   | 4.62           | 6.37           | 7.70           |
| UK            | n.a.                                      | n.a.           | n.a.           | n.a.           | n.a.   | n.a.           | n.a.           | n.a.           |
| <b>EU</b>     | <b>0.043%</b>                             | <b>0.077%</b>  | <b>0.102%</b>  | <b>0.125%</b>  | <b>1.87</b>  | <b>3.49</b>    | <b>4.71</b>    | <b>5.80</b>    |
| <b>EU-15</b>  | <b>0.018%</b>                             | <b>0.026%</b>  | <b>0.036%</b>  | <b>0.046%</b>  | <b>2.20</b>  | <b>3.34</b>    | <b>4.29</b>    | <b>5.27</b>    |
| <b>EU-12</b>  | <b>0.057%</b>                             | <b>0.109%</b>  | <b>0.150%</b>  | <b>0.184%</b>  | <b>1.69</b>  | <b>3.58</b>    | <b>5.01</b>    | <b>6.19</b>    |

Note: The methodology adopted to estimate the impact on depositors is twofold: (i) if all the additional contributions are assumed to be passed by banks on to depositors as an increase in maintenance fees for current accounts, the increase in fees can be estimated by dividing the increases in contributions by the number of accounts; (ii) if all the additional contributions are assumed to be passed on to depositors as a decrease in interest rates, the percentage decrease can be estimated by calculating the ratio between the increases in contributions and the total amount of eligible deposits. Additional contributions are proportional to the increase in the amount of covered deposits, thus the analysis has been performed only for ex-ante DGS. DE has been excluded because 2008 contributions were not available, DK has been excluded because it did not collect contributions in 2008. Source: Joint Research Centre.

**ANNEX 7: AVERAGE DEPOSITS HELD BY HOUSEHOLDS IN MEMBER STATES (€)**

| Member States   | 2003          | 2004          | 2005          | 2006          | 2007          |
|-----------------|---------------|---------------|---------------|---------------|---------------|
| BE              | 44 843        | 49 825        | 50 024        | 51 745        | 53 644        |
| BG              | 1 236         | 1 599         | 2 088         | 2 599         | 3 350         |
| CZ              | n.a.          | n.a.          | n.a.          | n.a.          | n.a.          |
| DK              | 31 897        | 34 749        | 39 055        | 41 698        | 44 805        |
| DE              | 33 892        | 34 569        | 35 409        | 35 434        | 37 123        |
| EE              | 2 894         | 3 230         | 4 135         | 5 179         | 6 144         |
| IE              | 37 085        | 40 734        | 45 506        | 50 313        | 52 235        |
| GR              | 28 203        | 29 106        | 33 159        | 34 640        | 37 978        |
| ES              | 30 743        | 31 817        | 33 360        | 37 002        | 39 531        |
| FR              | 35 732        | 36 994        | 36 881        | 37 134        | 37 763        |
| IT              | 32 848        | 34 301        | 34 321        | 36 505        | 37 533        |
| CY              | n.a.          | n.a.          | 66 552        | 71 603        | 80 003        |
| LV              | 1 714         | 2 300         | 3 398         | 4 550         | 5 356         |
| LT              | 2 153         | 2 579         | 3 560         | 4 520         | 5 411         |
| LU *            | n.a.          | n.a.          | n.a.          | n.a.          | n.a.          |
| HU              | 4 720         | 5 641         | 6 059         | 6 427         | 6 854         |
| MT              | n.a.          | n.a.          | n.a.          | n.a.          | n.a.          |
| NL              | 37 157        | 38 858        | 41 215        | 42 218        | 44 288        |
| AT              | 48 852        | 48 711        | 49 441        | 50 860        | 53 971        |
| PL              | 3 799         | 4 312         | 4 838         | 5 263         | 6 117         |
| PT              | 29 619        | 29 677        | 29 489        | 30 554        | 33 035        |
| RO              | 759           | 1 031         | 1 540         | 2 044         | 2 777         |
| SI              | 13 941        | 14 864        | 15 223        | 16 065        | 17 722        |
| SK              | 5 474         | 5 788         | 5 954         | 4 983         | 6 260         |
| FI              | 20 553        | 21 660        | 23 633        | 24 274        | 26 821        |
| SE              | 17 948        | 18 393        | 19 164        | 22 727        | 26 180        |
| UK              | 42 284        | 45 987        | 50 301        | 55 254        | 54 467        |
| <b>EU**</b>     | <b>22 102</b> | <b>23 336</b> | <b>26 429</b> | <b>28 066</b> | <b>29 974</b> |
| <b>EU-15**</b>  | <b>33 690</b> | <b>35 384</b> | <b>37 211</b> | <b>39 311</b> | <b>41 384</b> |
| <b>EU-12*</b>   | <b>4 077</b>  | <b>4 594</b>  | <b>11 335</b> | <b>12 323</b> | <b>13 999</b> |
| <b>EU***</b>    | <b>35 172</b> | <b>36 884</b> | <b>38 543</b> | <b>40 630</b> | <b>41 784</b> |
| <b>EU-15***</b> | <b>35 911</b> | <b>37 729</b> | <b>39 412</b> | <b>41 592</b> | <b>42 559</b> |
| <b>EU-12***</b> | <b>3 654</b>  | <b>4 028</b>  | <b>9 973</b>  | <b>10 522</b> | <b>14 643</b> |

\* In the Eurostat database, there are no data on average household deposits in LU, but it may be fairly assumed that it is well above the EU average since LU is a Member State with the highest GDP per capita in the EU (according to Eurostat data as of end-2008, GDP per capita was € 75 780 in LU while € 24 254 in the EU-27, € 34 149 in the EU-15 and € 11 885 in the EU-12).

\*\* Simple average

\*\*\* Weighted average [the weights are the amount of deposits by households]

Source: Eurostat; Joint Research Centre; Commission services' calculations.

## ANNEX 8: SELECTED DATA ON HOUSE PRICES IN MEMBER STATES (€)

| Member States     | Number of house purchases<br>(average 1998-2007) | Estimated<br>average house price * | Average purchase price<br>of a house ** |
|-------------------|--|------------------------------------|---|
| BE                | 115 209  | 136 305                            | 235 000                                 |
| BG                | 107 417 (e)                                      | 50 056                             | n.a.                                    |
| CZ                | 161 409 (e)                                      | 85 435                             | n.a.                                    |
| DK                | 71 710   | 265 491                            | 244 596                                 |
| DE                | 502 200  | 110 018                            | 276 600                                 |
| EE                | 33 365   | 85 785                             | 91 600                                  |
| IE                | 91 157   | 254 222                            | 260 786                                 |
| GR                | 160 476 (e)                                      | 91 068                             | n.a.                                    |
| ES                | 885 506  | 302 261                            | 175 325                                 |
| FR                | 770 500  | 97 417                             | 220 000                                 |
| IT                | 741 511  | 177 113                            | 249 700                                 |
| CY                | 10 146 (e)                                       | 147 488                            | n.a.                                    |
| LV                | 46 375   | 85 435                             | 80 000                                  |
| LT                | 51 074 (e)                                       | 85 435                             | 97 300                                  |
| LU *              | 4 829  | 147 488                            | n.a.                                    |
| HU                | 257 706  | 42 850                             | n.a.                                    |
| MT                | 5 143 (e)  | 168 821                            | n.a.                                    |
| NL                | 272 500  | 108 041                            | n.a.                                    |
| AT                | 133 849 (e)                                      | 116 025                            | n.a.                                    |
| PL                | 277 800  | 93 903                             | 91 670                                  |
| PT                | 145 063 (e)                                      | 112 119                            | 100 000                                 |
| RO                | 277 325 (e)                                      | 86 265                             | n.a.                                    |
| SI                | 27 628 (e)                                       | 85 435                             | n.a.                                    |
| SK                | 63 356 (e)                                       | 67 121                             | n.a.                                    |
| FI                | 76 925   | 119 409                            | n.a.                                    |
| SE                | 54 960   | 176 327                            | 250 000                                 |
| UK                | 1 552 690  | 147 721                            | 158 720                                 |
| <b>EU average</b> | <b>255 475</b>                                   | <b>127 595</b>                     | <b>180 807 ***</b>                      |
| <b>EU-15</b>      | <b>371 939</b>                                   | <b>157 402</b>                     | <b>–</b>                                |
| <b>EU-12</b>      | <b>109 895</b>                                   | <b>90 336</b>                      | <b>–</b>                                |

\* Average house price = Average mortgage loan / Loan-to-Value (LTV) ratio.

\*\* Data for DE, EE, LV, LT and PT refers to 2007 while data for BE, DK, ES, FR, IE, IT, PL, SE and UK refers to 2008.

\*\*\* This is the simple average; the weighted average, calculated by using the size of national mortgage markets as weights, would be € 210 713.

(e) estimated value.

Source: Joint Research Centre (columns 2 and 3); European Mortgage Federation (column 4) – EMF Study on the cost of housing in Europe, May 2010.

**ANNEX 9: POTENTIAL EXEMPTIONS FROM THE FIXED LEVEL OF COVERAGE –  
TEMPORARY HIGH DEPOSIT BALANCES \***

**(a) Additional covered deposits when protecting THDB (€millions)**

|                       | Increased levels for THDB |                |                |                |                |                |                |                |                |
|-----------------------|---------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
|                       | € 200 000                 |                |                | € 300 000      |                |                | € 500 000      |                |                |
|                       | 3 months                  | 6 months       | 12 months      | 3 months       | 6 months       | 12 months      | 3 months       | 6 months       | 12 months      |
| BE                    | 1 387                     | 2 774          | 5 548          | 1 764          | 3 528          | 7 056          | 2 091          | 4 181          | 8 362          |
| BG                    | 127                       | 253            | 507            | 127            | 253            | 507            | 127            | 253            | 507            |
| CZ                    | 781                       | 1 563          | 3 125          | 988            | 1 976          | 3 952          | 988            | 1 976          | 3 952          |
| DK                    | 1 586                     | 3 172          | 6 344          | 2 668          | 5 337          | 10 674         | 3 612          | 7 225          | 14 450         |
| DE                    | 4 351                     | 8 702          | 17 404         | 5 606          | 11 213         | 22 426         | 5 771          | 11 542         | 23 085         |
| EE                    | 163                       | 326            | 651            | 206            | 413            | 826            | 206            | 413            | 826            |
| IE                    | 1 926                     | 3 852          | 7 703          | 3 209          | 6 418          | 12 836         | 4 232          | 8 464          | 16 927         |
| GR                    | 987                       | 1 975          | 3 949          | 1 312          | 2 623          | 5 246          | 1 312          | 2 623          | 5 246          |
| ES                    | 19 649                    | 39 297         | 78 595         | 34 829         | 69 658         | 139 315        | 51 305         | 102 609        | 205 218        |
| FR                    | 4 516                     | 9 031          | 18 063         | 5 548          | 11 096         | 22 192         | 5 548          | 11 096         | 22 192         |
| IT                    | 12 182                    | 24 364         | 48 729         | 17 572         | 35 144         | 70 288         | 20 925         | 41 850         | 83 701         |
| CY                    | 140                       | 279            | 558            | 187            | 375            | 750            | 221            | 443            | 885            |
| LV                    | 224                       | 449            | 898            | 284            | 568            | 1 135          | 284            | 568            | 1 135          |
| LT                    | 247                       | 494            | 989            | 313            | 625            | 1 250          | 313            | 625            | 1 250          |
| LU                    | 68                        | 137            | 273            | 92             | 185            | 369            | 106            | 212            | 424            |
| HU                    | 168                       | 335            | 670            | 168            | 335            | 670            | 168            | 335            | 670            |
| MT                    | 83                        | 167            | 334            | 118            | 237            | 473            | 144            | 289            | 578            |
| NL                    | 2 337                     | 4 674          | 9 349          | 3 033          | 6 066          | 12 132         | 3 126          | 6 251          | 12 503         |
| AT                    | 1 156                     | 2 313          | 4 625          | 1 467          | 2 934          | 5 868          | 1 467          | 2 934          | 5 868          |
| PL                    | 1 666                     | 3 333          | 6 665          | 2 195          | 4 390          | 8 780          | 2 195          | 4 390          | 8 780          |
| PT                    | 1 378                     | 2 756          | 5 512          | 1 866          | 3 732          | 7 465          | 2 444          | 4 888          | 9 776          |
| RO                    | 1 369                     | 2 738          | 5 475          | 1 741          | 3 482          | 6 964          | 1 741          | 3 482          | 6 964          |
| SI                    | 134                       | 267            | 535            | 169            | 338            | 676            | 169            | 338            | 676            |
| SK                    | 190                       | 380            | 759            | 190            | 380            | 759            | 190            | 380            | 759            |
| FI                    | 690                       | 1 381          | 2 762          | 866            | 1 732          | 3 463          | 866            | 1 732          | 3 463          |
| SE                    | 935                       | 1 871          | 3 741          | 1 339          | 2 678          | 5 355          | 1 641          | 3 283          | 6 566          |
| UK                    | 21 612                    | 43 223         | 86 446         | 29 668         | 59 336         | 118 673        | 36 595         | 73 190         | 146 379        |
| <b>Total EU</b>       | <b>80 053</b>             | <b>160 106</b> | <b>320 212</b> | <b>117 526</b> | <b>235 051</b> | <b>470 103</b> | <b>147 786</b> | <b>295 572</b> | <b>591 144</b> |
| <b>EU-15 average</b>  | <b>4 984</b>              | <b>9 968</b>   | <b>19 936</b>  | <b>7 389</b>   | <b>14 779</b>  | <b>29 557</b>  | <b>9 403</b>   | <b>18 805</b>  | <b>37 611</b>  |
| <b>EU-12 average</b>  | <b>470</b>                | <b>939</b>     | <b>1 878</b>   | <b>596</b>     | <b>1 193</b>   | <b>2 385</b>   | <b>602</b>     | <b>1 203</b>   | <b>2 407</b>   |
| <b>EU % change</b>    | <b>1.66%</b>              | <b>3.31%</b>   | <b>6.62%</b>   | <b>2.22%</b>   | <b>4.45%</b>   | <b>8.90%</b>   | <b>2.50%</b>   | <b>5.00%</b>   | <b>10.00%</b>  |
| <b>EU-15 % change</b> | <b>1.22%</b>              | <b>2.44%</b>   | <b>4.88%</b>   | <b>1.80%</b>   | <b>3.60%</b>   | <b>7.20%</b>   | <b>2.26%</b>   | <b>4.52%</b>   | <b>9.04%</b>   |
| <b>EU-12 % change</b> | <b>2.32%</b>              | <b>4.64%</b>   | <b>9.27%</b>   | <b>2.92%</b>   | <b>5.85%</b>   | <b>11.70%</b>  | <b>2.97%</b>   | <b>5.95%</b>   | <b>11.90%</b>  |

\* Temporary high deposits balances (THDB) are transactional balances that a consumer may have for a limited period of time, e.g. between selling one property and buying another. The money related to house purchases is assumed to stay on a bank account for a specified time horizon (e.g. 3, 6, 12 months, etc.).



**(b) Estimated contributions for the scenarios on THDB (€thousands)**

|                       | Estimated contributions for the fixed coverage level of € 100 000 | Increased levels for THDB |                  |                  |                  |                  |                  |                  |                  |                  |
|-----------------------|---|---------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
|                       |   | € 200 000                 |                  |                  | € 300 000        |                  |                  | € 500 000        |                  |                  |
|                       |   | 3 months                  | 6 months         | 12 months        | 3 months         | 6 months         | 12 months        | 3 months         | 6 months         | 12 months        |
| BE                    | 80 203  | 80 880                    | 81 558           | 82 913           | 81 064           | 81 926           | 83 649           | 81 224           | 82 245           | 84 287           |
| BG                    | 117 579   | 118 631                   | 119 684          | 121 788          | 118 631          | 119 684          | 121 788          | 118 631          | 119 684          | 121 788          |
| CZ                    | 96 002  | 97 390                    | 98 778           | 101 553          | 97 757           | 99 512           | 103 022          | 97 757           | 99 512           | 103 022          |
| DK                    | 0   | 0                         | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                |
| DE                    | n.a.  | n.a.                      | n.a.             | n.a.             | n.a.             | n.a.             | n.a.             | n.a.             | n.a.             | n.a.             |
| EE                    | 27 168  | 28 186                    | 29 204           | 31 240           | 28 459           | 29 749           | 32 330           | 28 459           | 29 749           | 32 330           |
| IE                    | 236 939   | 239 987                   | 243 035          | 249 130          | 242 018          | 247 096          | 257 253          | 243 637          | 250 334          | 263 729          |
| GR                    | 626 505   | 631 419                   | 636 333          | 646 161          | 633 032          | 639 560          | 652 614          | 633 032          | 639 560          | 652 614          |
| ES                    | 699 799   | 722 308                   | 744 817          | 789 835          | 739 698          | 779 597          | 859 394          | 758 572          | 817 345          | 934 890          |
| FR                    | 101 590   | 101 938                   | 102 286          | 102 983          | 102 018          | 102 446          | 103 302          | 102 018          | 102 446          | 103 302          |
| IT                    | 0   | 0                         | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                |
| CY                    | 44 721  | 44 890                    | 45 058           | 45 394           | 44 947           | 45 173           | 45 625           | 44 988           | 45 255           | 45 789           |
| LV                    | 55 234  | 57 073                    | 58 913           | 62 592           | 57 560           | 59 886           | 64 539           | 57 560           | 59 886           | 64 539           |
| LT                    | 73 007  | 75 006                    | 77 005           | 81 003           | 75 535           | 78 063           | 83 119           | 75 535           | 78 063           | 83 119           |
| LU                    | 0   | 0                         | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                |
| HU                    | 5 292   | 5 320                     | 5 348            | 5 404            | 5 320            | 5 348            | 5 404            | 5 320            | 5 348            | 5 404            |
| MT                    | 1 694   | 1 719                     | 1 745            | 1 795            | 1 730            | 1 766            | 1 837            | 1 738            | 1 782            | 1 869            |
| NL                    | 0   | 0                         | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                |
| AT                    | 0   | 0                         | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                |
| PL                    | 63 294  | 64 923                    | 66 551           | 69 808           | 65 439           | 67 585           | 71 875           | 65 439           | 67 585           | 71 875           |
| PT                    | 68 181  | 69 174                    | 70 167           | 72 154           | 69 526           | 70 871           | 73 561           | 69 942           | 71 704           | 75 227           |
| RO                    | 34 702  | 37 051                    | 39 399           | 44 097           | 37 689           | 40 676           | 46 650           | 37 689           | 40 676           | 46 650           |
| SI                    | 0   | 0                         | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                |
| SK                    | 56 353  | 57 185                    | 58 017           | 59 681           | 57 185           | 58 017           | 59 681           | 57 185           | 58 017           | 59 681           |
| FI                    | 74 599  | 75 266                    | 75 934           | 77 270           | 75 436           | 76 273           | 77 948           | 75 436           | 76 273           | 77 948           |
| SE                    | 148 980   | 149 877                   | 150 773          | 152 567          | 150 263          | 151 547          | 154 114          | 150 553          | 152 127          | 155 274          |
| UK                    | 0   | 0                         | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                |
| <b>Total EU</b>       | <b>2 611 841</b>  | <b>2 658 223</b>          | <b>2 704 605</b> | <b>2 797 368</b> | <b>2 683 307</b> | <b>2 754 774</b> | <b>2 897 706</b> | <b>2 704 715</b> | <b>2 797 589</b> | <b>2 983 337</b> |
| <b>EU-15 average</b>  | <b>254 599</b>  | <b>258 856</b>            | <b>263 113</b>   | <b>271 627</b>   | <b>261 632</b>   | <b>268 664</b>   | <b>282 729</b>   | <b>264 302</b>   | <b>274 004</b>   | <b>293 409</b>   |
| <b>EU-12 average</b>  | <b>52 277</b>   | <b>53 398</b>             | <b>54 518</b>    | <b>56 760</b>    | <b>53 659</b>    | <b>55 042</b>    | <b>57 806</b>    | <b>53 664</b>    | <b>55 051</b>    | <b>57 824</b>    |
| <b>EU % change</b>    | <b>–</b>  | <b>1.83%</b>              | <b>3.66%</b>     | <b>7.33%</b>     | <b>2.43%</b>     | <b>4.85%</b>     | <b>9.71%</b>     | <b>2.69%</b>     | <b>5.37%</b>     | <b>10.75%</b>    |
| <b>EU-15 % change</b> | <b>–</b>  | <b>1.18%</b>              | <b>2.36%</b>     | <b>4.71%</b>     | <b>1.79%</b>     | <b>3.58%</b>     | <b>7.17%</b>     | <b>2.34%</b>     | <b>4.68%</b>     | <b>9.36%</b>     |
| <b>EU-12 % change</b> | <b>–</b>  | <b>2.31%</b>              | <b>4.61%</b>     | <b>9.23%</b>     | <b>2.89%</b>     | <b>5.78%</b>     | <b>11.55%</b>    | <b>2.94%</b>     | <b>5.88%</b>     | <b>11.76%</b>    |

Note: The starting point is the situation where the level of coverage is fixed at € 100 000. The increases in contributions are proportional to the increase in the amount of covered deposits, thus the analysis has been performed only for ex-ante DGS. DE has been excluded because 2008 contributions were not available, DK has been excluded because it did not collect contributions in 2008.

**(c) Scenarios on THDB: impact on banks (variation of operating profits)**

|                      | € 200 000 |          |           | € 300 000 |          |           | € 500 000 |          |           |
|----------------------|-----------|----------|-----------|-----------|----------|-----------|-----------|----------|-----------|
|                      | 3 months  | 6 months | 12 months | 3 months  | 6 months | 12 months | 3 months  | 6 months | 12 months |
| <b>Total EU</b>      | -0.58%    | -1.16%   | -2.33%    | -0.66%    | -1.33%   | -2.65%    | -0.68%    | -1.37%   | -2.74%    |
| <b>EU-15 average</b> | -0.10%    | -0.21%   | -0.41%    | -0.16%    | -0.32%   | -0.65%    | -0.21%    | -0.42%   | -0.83%    |
| <b>EU-12 average</b> | -0.95%    | -1.91%   | -3.82%    | -1.05%    | -2.11%   | -4.21%    | -1.05%    | -2.11%   | -4.22%    |

Note: The analysis is developed for ex-ante funded DGS whose contribution base is defined in terms of the amount of total, eligible or covered deposits. PL, NL and UK have been excluded because their contribution base is different than total, eligible or covered; DK has been excluded because it did not collect 2008 contributions; IT, LU, AT, and SI have been excluded because they are ex-post financed; DE has been excluded because 2008 contributions are not available; LT and FI have been excluded because the sample available from Bankscope was small.

**(d) Scenarios on THDB: impact on depositors**

|                      | Range of variation of the estimated percentage decrease in interest rates on savings |                 |                 | Range of variation of the estimated additional bank fees on current accounts (€ per year per account) |             |             |
|----------------------|--|-----------------|-----------------|---|-------------|-------------|
|                      | € 200 000  | € 300 000       | € 500 000       | € 200 000   | € 300 000   | € 500 000   |
| <b>Total EU</b>      | 0.004% - 0.017%  | 0.005% - 0.022% | 0.006% - 0.023% | 0.16 - 0.63   | 0.21 - 0.85 | 0.24 - 0.94 |
| <b>EU-15 average</b> | 0.001% - 0.005%  | 0.002% - 0.007% | 0.002% - 0.009% | 0.12 - 0.49   | 0.19 - 0.76 | 0.24 - 0.98 |
| <b>EU-12 average</b> | 0.007% - 0.027%  | 0.008% - 0.033% | 0.008% - 0.033% | 0.18 - 0.73   | 0.23 - 0.91 | 0.23 - 0.92 |

Source: Joint Research Centre.

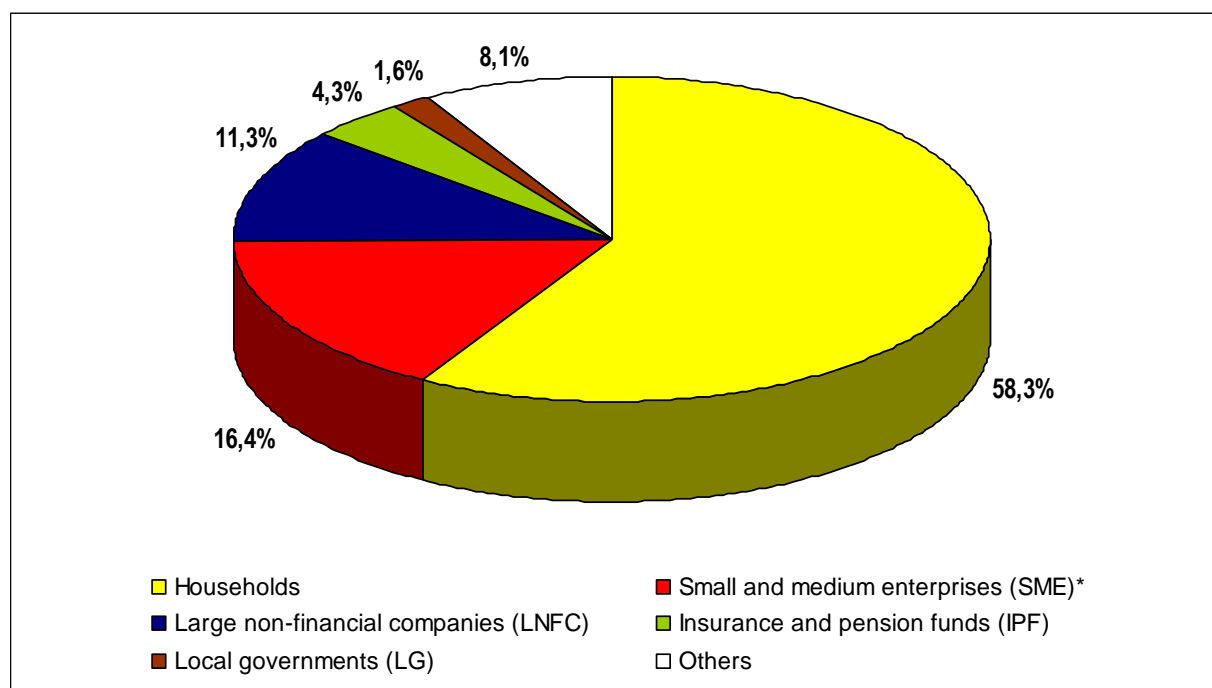
The increases in contributions are proportional to the increase in the amount of covered deposits, thus the analysis has been performed only for ex-ante DGS. DE has been excluded because 2008 contributions were not available, DK has been excluded because it did not collect contributions in 2008

**ANNEX 10: SELECTED DATA ON DEPOSITS AND DEPOSITORS IN THE EU (INCL. ENTERPRISES)**

**(a) Definition of micro, small and medium-sized enterprises vs. the approach adopted in the DGS Directive**

| Category                             | Calculation  | Staff | Annual turnover | Balance sheet total |
|--------------------------------------|--|-------|-----------------|---------------------|
| Micro enterprise                     | Limit for balance sheet total<br><br>or<br>annual turnover may be exceeded | < 10  | < € 2 million   | < € 2 million       |
| Small enterprise                     |  | < 50  | < € 10 million  | < € 10 million      |
| Medium-sized enterprise              |  | < 250 | < € 50 million  | < € 43 million      |
| Company with abridged balance sheets | One of the limits may be exceeded  | < 50  | < € 8.8 million | < € 4.4 million     |

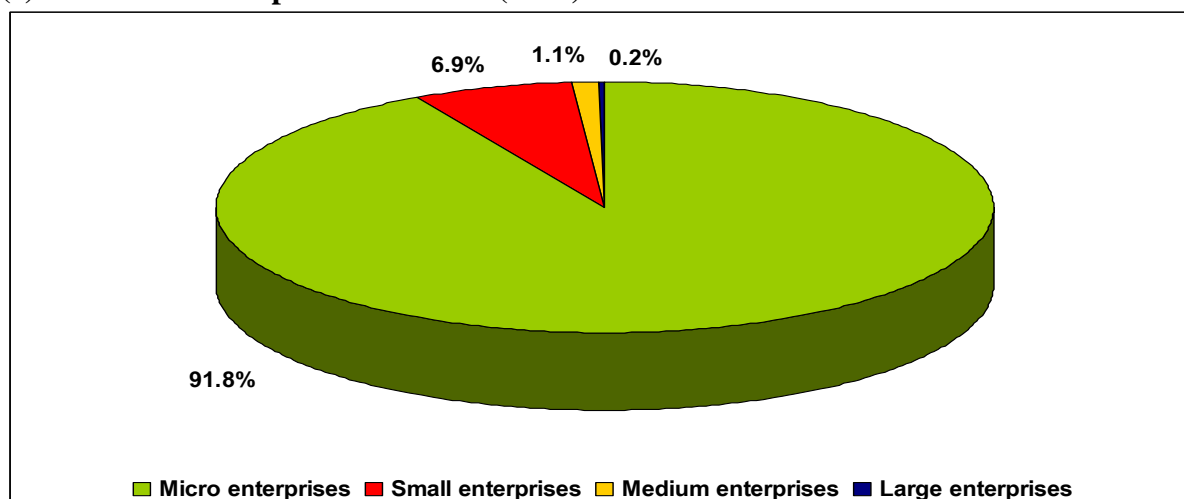
**(b) Breakdown of total value of deposits in the EU by classes of depositors (2007)**



Note: Total amount of deposits in the EU (as of end-2007): € 16.8 trillion (see Annex 2).

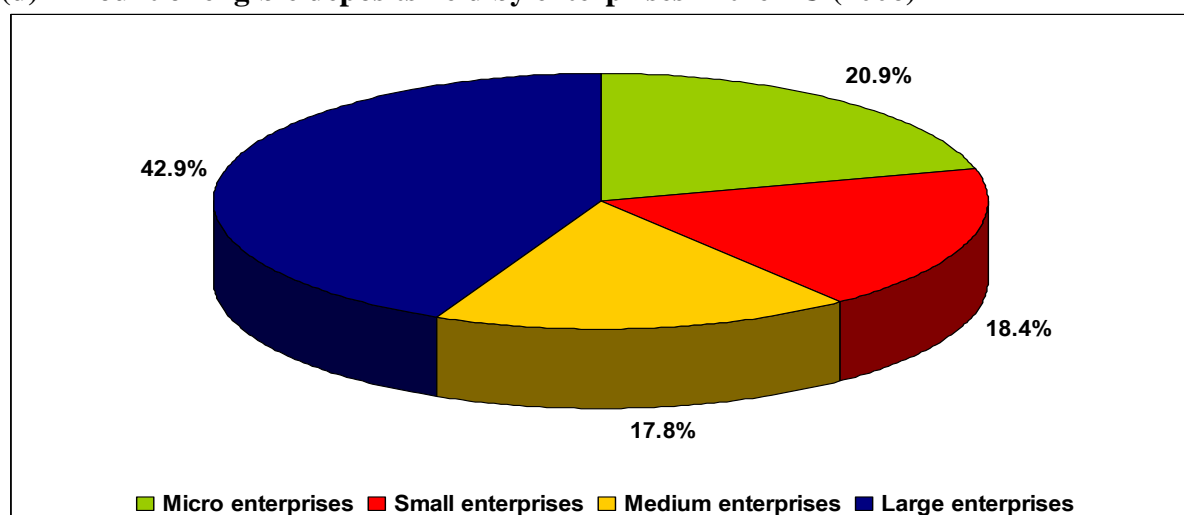
\* SME include micro enterprises as well.

**(c) Number of enterprises in the EU (2006)**



Note: Total number of SME: 20 million. Definition of SME: see Table A in this Annex.

**(d) Amount of eligible deposits held by enterprises in the EU (2006)**



Note: Total amount of eligible deposits held by enterprises: € 4.05 trillion.

**(e) Amount of total deposits held by local authorities**

| Member States | Total deposits held by local governments (€ thousands) |
|---------------|--|
| CZ            | 163 061*   |
| DK            | 3 161 796**  |
| GR            | 1 439 070**  |
| LT            | 169 434*   |
| PL            | 5 006 512  |
| FI            | 1 858 847**  |
| SE            | 2 753 800  |
| <b>Total</b>  | <b>14 552 520</b>                                      |

\* EFDI; \*\* Eurostat.

Source: Commission services based on Commission Recommendation 2003/361/EC of 6 May 2003 concerning the definition of micro, small and medium-sized enterprises, OJ L 124 (Table A); Joint Research Centre and Eurostat data (Graphs B-D); DGS, EFDI and Eurostat (Table E).

**ANNEX 11: POTENTIAL IMPACT OF THE INCLUSION OR EXCLUSION OF SOME DEPOSITORS\* INTO/FROM THE SCOPE OF COVERAGE**

**(a) Impact on contributions at Member States' level (€thousands)**

| Member States | 2008 contributions | Contributions if all classes (LNFC, LG, IPF) excluded | Increase in contributions ** |                |                 | Contributions if all classes (LNFC, LG, IPF) included |
|---------------|--------------------|---|------------------------------|----------------|-----------------|---|
|               |                    |   | if LNFC included             | if LG included | if IPF included |   |
| BE            | 50 895             | 50 895  | 6 546                        | 909            | 7 051           | 65 401  |
| BG            | 69 893             | 53 472  | 16 421                       | 1 700          | 1 700           | 73 292  |
| CZ            | 63 969             | 53 702  | 10 130                       | 138            | 1 652           | 65 621  |
| DK            | 0                  | n.a.  | n.a.                         | n.a.           | n.a.            | n.a.  |
| DE            | n.a.               | n.a.  | n.a.                         | n.a.           | n.a.            | n.a.  |
| EE            | 16 341             | 16 341  | 2 848                        | 286            | 74              | 19 550  |
| IE            | 143 300            | 143 300   | 0                            | 0              | 0               | 143 300   |
| GR            | 602 109            | 549 679   | 42 640                       | 5 328          | 8 923           | 606 570   |
| ES            | 412 500            | 374 160   | 38 340                       | 9 501          | 58 168          | 480 170   |
| FR            | 95 400             | 89 269  | 6 131                        | 1 872          | 706             | 97 978  |
| IT            | 0                  | n.a.  | n.a.                         | n.a.           | n.a.            | n.a.  |
| CY            | 24 656             | 23 305  | 1 351                        | 19             | 1 817           | 26 518  |
| LV            | 24 334             | 21 087  | 3 248                        | 946            | 880             | 26 160  |
| LT            | confidential       | 41 610  | 4 843                        | 738            | 422             | 47 613  |
| LU            | 0                  | n.a.  | n.a.                         | n.a.           | n.a.            | n.a.  |
| HU            | 3 897              | 2 943   | 954                          | 168            | 53              | 4 119   |
| MT            | 713                | 713   | 223                          | 54             | 84              | 1 030   |
| NL            | 0                  | n.a.  | n.a.                         | n.a.           | n.a.            | n.a.  |
| AT            | 0                  | n.a.  | n.a.                         | n.a.           | n.a.            | n.a.  |
| PL            | confidential       | n.a.  | n.a.                         | n.a.           | n.a.            | n.a.  |
| PT            | 47 877             | 43 373  | 4 503                        | 472            | 1 680           | 50 029  |
| RO            | 24 962             | 24 962  | 9 940                        | 1 568          | 507             | 36 977  |
| SI            | 0                  | n.a.  | n.a.                         | n.a.           | n.a.            | n.a.  |
| SK            | 37 241             | 37 241  | 18 472                       | 1 678          | 2 898           | 60 288  |
| FI            | 39 668             | 34 957  | 3 542                        | 784            | 386             | 39 668  |
| SE            | 58 694             | 39 738  | 17 015                       | 623            | 2 636           | 60 012  |
| UK            | 0                  | n.a.  | n.a.                         | n.a.           | n.a.            | n.a.  |
| <b>EU</b>     | <b>1 812 589</b>   | <b>1 600 747</b>                                      | <b>187 146</b>               | <b>26 768</b>  | <b>89 638</b>   | <b>1 904 299</b>                                      |

Note: Increases in contributions are proportional to the increases in the contribution base. The analysis has been performed only for ex-ante DGS. DE has been excluded because 2008 contributions were not available, DK has been excluded because it did not collect contributions in 2008; PL has been excluded because its contribution base is different than total, eligible or covered.

\* LNFC – large non-financial corporations; LG – local governments; IPF – insurance and pension funds.

\*\* Increase in the columns 4-6 with respect to the column 3 (Contributions if all classes excluded).

**(b) Impact on contributions at EU level**

| Potential scenarios | Aggregated EU contributions in 2008<br>(€ thousands) | Weighted average % change with respect to 2008 contributions |
|---------------------|--|--|
| Include all classes | 1 904 299  | +7.61 %  |
| Exclude all classes | 1 600 747  | -8.72 %  |
| Include LNFC        | 1 801 669  | +1.34 %  |
| Exclude LNFC        | 1 614 523  | -8.36 %  |
| Include LG          | 1 782 799  | +1.64 %  |
| Exclude LG          | 1 756 031  | -0.16 %  |
| Include IPF         | 1 847 113  | +4.63 %  |
| Exclude IPF         | 1 757 475  | -0.20 %  |

**(c) Impact on banks' operating profits**

|       | Include all classes | Include LNFC | Include IPF | Include LG | Exclude all classes | Exclude LNFC | Exclude IPF | Exclude LG |
|-------|---------------------|--------------|-------------|------------|---------------------|--------------|-------------|------------|
| EU    | -1.06%              | -0.73%       | -0.20%      | -0.13%     | 0.51%               | 0.49%        | 0.01%       | 0.01%      |
| EU-15 | -0.21%              | -0.04%       | -0.15%      | -0.02%     | 0.31%               | 0.27%        | 0.02%       | 0.02%      |
| EU-12 | -1.72%              | -1.27%       | -0.24%      | -0.21%     | 0.66%               | 0.66%        | 0.00%       | 0.00%      |

Note: The analysis is developed for ex-ante funded DGS whose contribution base is defined in terms of the amount of total, eligible or covered deposits. PL, NL, UK have been excluded because their contribution base is different than total, eligible or covered; DK has been excluded because it did not collect 2008 contributions; IT, LU, AT, and SI have been excluded because they are ex-post financed; DE has been excluded because 2008 contributions are not available; LT and FI have been excluded because the sample available from Bankscope was small.

**(d) Impact on contributions if some classes of SME are covered or not**

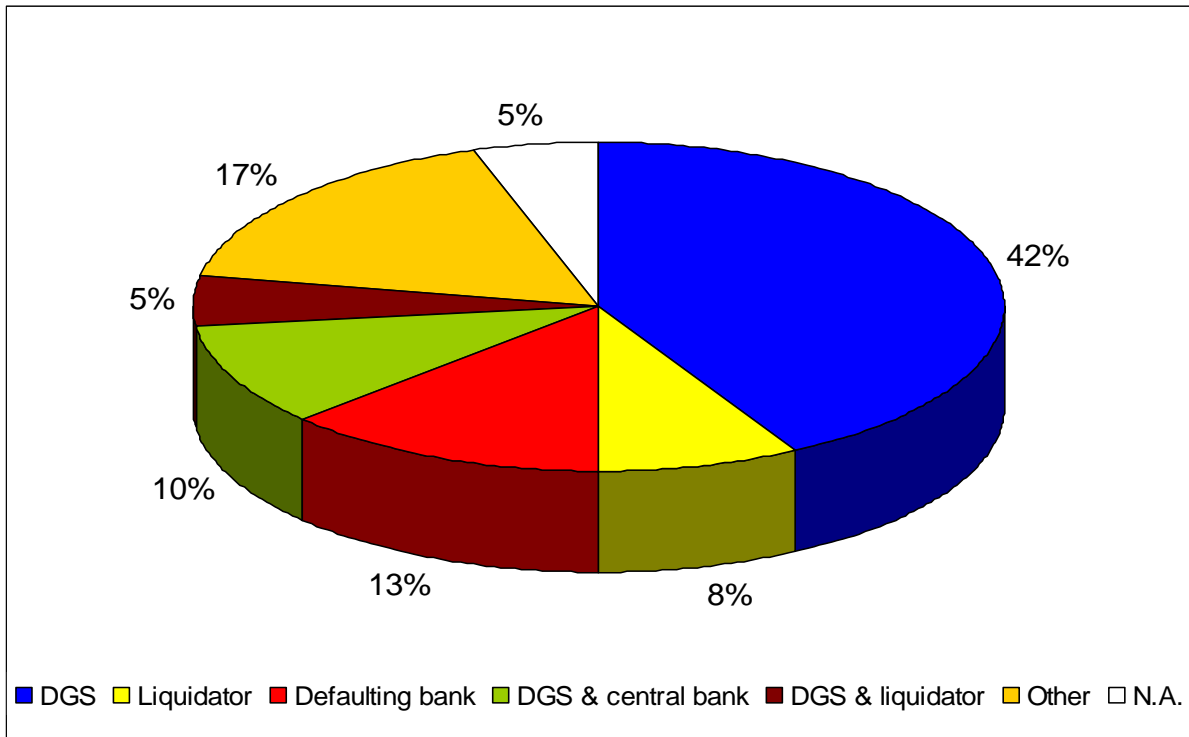
| Potential scenarios                                      | Aggregated EU contributions in 2008<br>(€ thousands) | Variation in contributions with respect to the current situation (€ thousands) | Weighted average % change with respect to the current situation * |
|--|--|--|---|
| Exclude all enterprises (both SME and large enterprises) | 1 250 231  | -513 410   | -25.2%  |
| Include micro enterprises only                           | 1 393 272  | -370 369   | -18.9%  |
| Include small and micro enterprises                      | 1 509 102  | -254 539   | -13.2%  |
| Include medium, small and micro enterprises (=all SME)   | 1 614 523  | -149 118   | -8.4%   |
| Include all enterprises (both SME and large enterprises) | 1 801 669  | 38 028   | 1.3%  |

\* The current situation: DGS in most Member States cover deposits by larger enterprises, i.e. companies which are of such a size that they are not permitted to draw up abridged balance sheets (see Annex B). The analysis has been performed only for ex-ante DGS. DE has been excluded because 2008 contributions were not available, DK has been excluded because it did not collect contributions in 2008; PL has been excluded because its contribution base is different than total, eligible or covered.

Source: Joint Research Centre (based on Eurostat data).

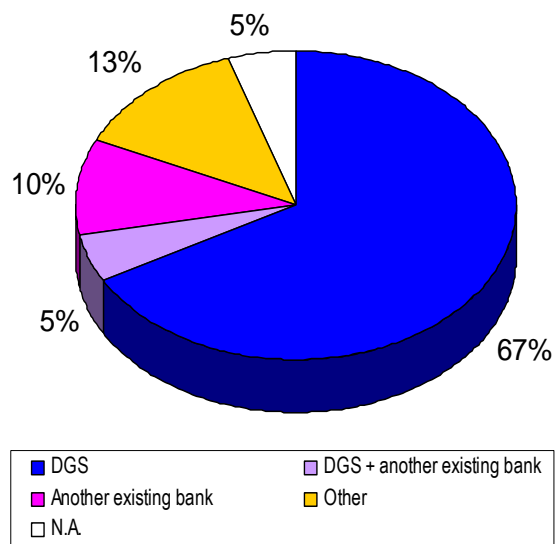
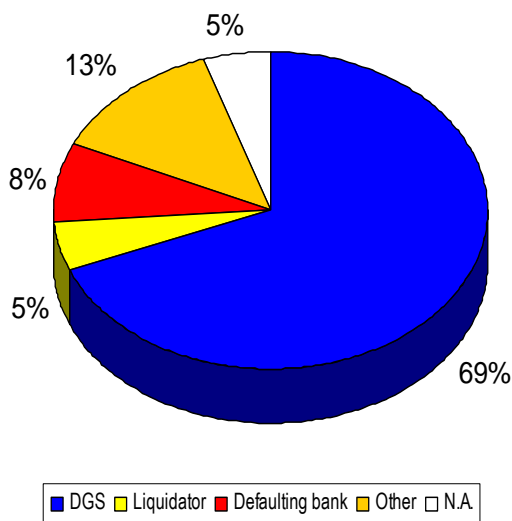
**ANNEX 12: SELECTED DATA RELATING TO THE PAYOUT PROCESS IN THE EU**

**(a) Authorities responsible for the collection of data needed for the payout process**

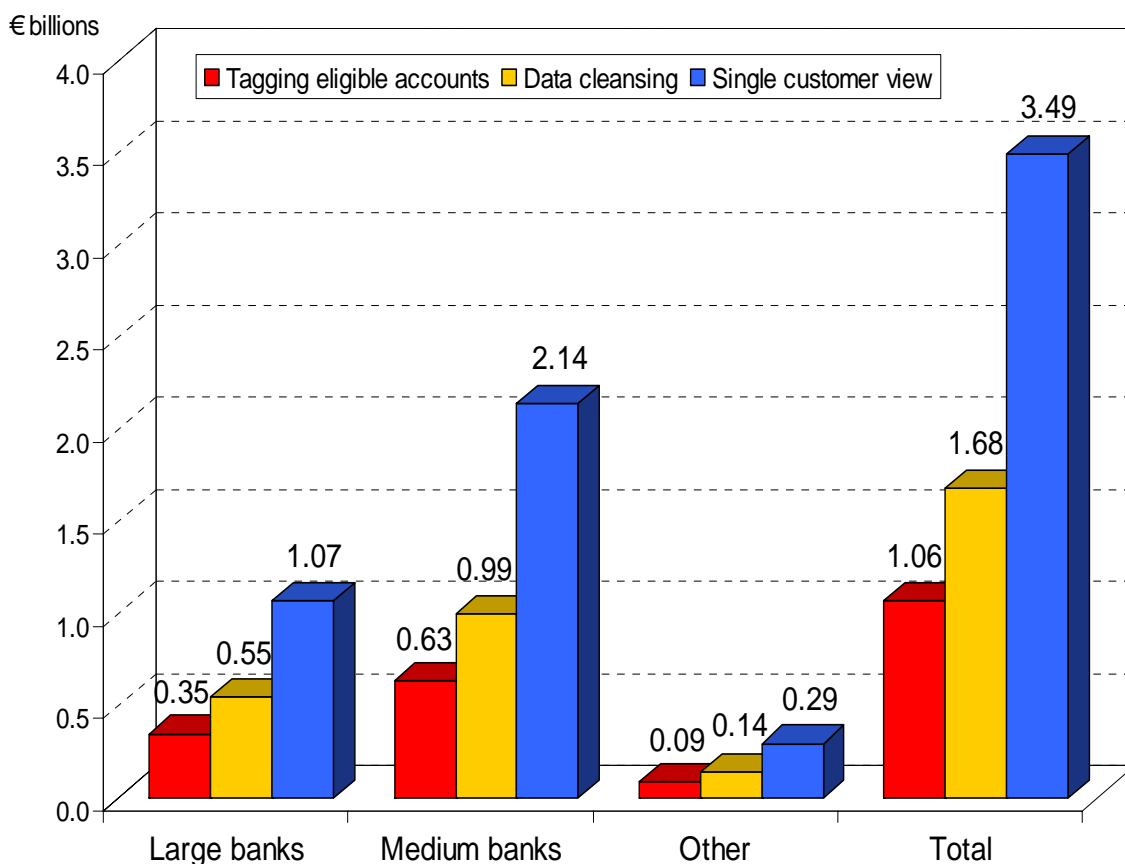


**(b) Authorities responsible for reimbursement payout calculation**

**(c) Authorities responsible for repaying depositors**



**(d) Potential total costs for banks stemming from tagging deposits, cleansing data and creating single customer views (SCV)\* – to be faced within 5 years**



Note: This analysis has been developed by using costs' estimates from the Ernst & Young Report on fast payout for the UK (published by the UK FSA in November 2008) and by re-scaling those costs for the other EU MS taking into account their relative sizes (i.e. amounts of eligible deposits).

\* The categories are defined as follows:

- Data cleansing: any IT and manual data cleansing undertaken (e.g. postcode, date of birth of accounts' holders) to allow the unique identification of a customer.
- Tagging (flagging) eligible accounts: any IT and manual effort to electronically flag all eligible customers for DGS compensation.
- Creating a single customer view (SCV): a comprehensive identification of the complete position of each customer.

**(e) Potential impact of tagging/cleansing/SCV on depositors**

|              | Variation in interest rates on savings |           |        |               | Additional bank fees on current accounts (€ per year per account) |           |      |             |
|--------------|--|-----------|--------|---------------|---|-----------|------|-------------|
|              | Tagging                                | Cleansing | SCV    | Total         | Tagging   | Cleansing | SCV  | Total       |
| <b>EU</b>    | 0.003%                                 | 0.005%    | 0.011% | <b>0.019%</b> | 0.27  | 0.42      | 0.94 | <b>1.63</b> |
| <b>EU-15</b> | 0.003%                                 | 0.004%    | 0.009% | <b>0.015%</b> | 0.34  | 0.54      | 1.18 | <b>2.05</b> |
| <b>EU-12</b> | 0.004%                                 | 0.006%    | 0.014% | <b>0.023%</b> | 0.18  | 0.29      | 0.64 | <b>1.11</b> |



**(f) Potential impact of tagging/cleansing/SCV on bank profits**

| Member States | Decrease in bank operating profits as a result of: |                  |                | Total impact *<br>(tagging + cleansing + SCV) |
|---------------|--|------------------|----------------|---|
|               | tagging deposits *                                 | data cleansing * | creating SCV * |   |
| BE            | -0.72%   | -1.14%           | -2.56%         | -4.42%  |
| BG            | -0.07%   | -0.10%           | -0.23%         | -0.40%  |
| CZ            | -0.32%   | -0.50%           | -1.13%         | -1.96%  |
| DK            | -0.09%   | -0.14%           | -0.31%         | -0.53%  |
| DE            | n.a.   | n.a.             | n.a.           | n.a.  |
| EE            | -0.10%   | -0.16%           | -0.35%         | -0.60%  |
| IE            | -0.74%   | -1.17%           | -2.63%         | -4.55%  |
| GR            | -0.26%   | -0.41%           | -0.92%         | -1.59%  |
| ES            | -0.29%   | -0.46%           | -1.03%         | -1.78%  |
| FR            | -0.34%   | -0.54%           | -1.21%         | -2.08%  |
| IT            | -0.20%   | -0.32%           | -0.71%         | -1.23%  |
| CY            | -0.28%   | -0.44%           | -1.00%         | -1.73%  |
| LV            | -0.05%   | -0.07%           | -0.17%         | -0.29%  |
| LT            | n.a.   | n.a.             | n.a.           | n.a.  |
| LU            | n.a.   | n.a.             | n.a.           | n.a.  |
| HU            | -0.04%   | -0.07%           | -0.15%         | -0.26%  |
| MT            | -0.04%   | -0.07%           | -0.15%         | -0.26%  |
| NL            | n.a.   | n.a.             | n.a.           | n.a.  |
| AT            | -0.24%   | -0.38%           | -0.86%         | -1.48%  |
| PL            | n.a.   | n.a.             | n.a.           | n.a.  |
| PT            | -0.26%   | -0.41%           | -0.93%         | -1.60%  |
| RO            | -0.24%   | -0.38%           | -0.85%         | -1.47%  |
| SI            | -0.17%   | -0.27%           | -0.62%         | -1.06%  |
| SK            | -0.05%   | -0.08%           | -0.17%         | -0.29%  |
| FI            | n.a.   | n.a.             | n.a.           | n.a.  |
| SE            | -0.06%   | -0.09%           | -0.20%         | -0.34%  |
| UK            | n.a.   | n.a.             | n.a.           | n.a.  |
| <b>EU</b>     | <b>-0.23%</b>                                      | <b>-0.36%</b>    | <b>-0.81%</b>  | <b>-1.40%</b>                                 |
| <b>EU-15</b>  | <b>-0.32%</b>                                      | <b>-0.50%</b>    | <b>-1.14%</b>  | <b>-1.96%</b>                                 |
| <b>EU-12</b>  | <b>-0.14%</b>                                      | <b>-0.21%</b>    | <b>-0.48%</b>  | <b>-0.83%</b>                                 |

\* The average variation in the operating profit for each MS is the weighted average (the weights are the eligible deposits) of the variation in the operating profit for every bank in the sample, while the figure at EU level is the simple average of all the previous figures. PL, NL, UK have been excluded because their contribution base is different than total, eligible or covered; DE has been excluded because 2008 contributions are not available; LT and FI have been excluded because the sample available from Bankscope was small; LU has been excluded because data available from Bankscope are not consistent with the data collected through the JRC survey.

Source: Joint Research Centre based on Ernst & Young Report on fast payout (2008); Commission services' calculations.

## ANNEX 13: DGS FUNDS AND CONTRIBUTIONS TO DGS

### (a) Maximum amount of funds available to DGS in Member States (€thousands)

| Member States              | A                 | B                  | C                     | D                 | E                     | F   |
|----------------------------|-------------------|--------------------|-----------------------|-------------------|-----------------------|---|
|                            | 2007 fund size    | 2008 contributions | Maximum contributions | Total funds *     | Extraordinary ratio * | Available resources                             |
| BE                         | 765 000           | 50 895             | 101 790               | 866 790           | 5.87 %                | fund + ordinary and extraordinary contributions |
| BG                         | 265 768           | 69 893             | 246 799               | 512 567           | 34.51 %               | fund + maximum contributions                    |
| CZ                         | 304 492           | 63 969             | 127 939               | 432 430           | 14.79 %               | fund + extraordinary contributions              |
| DK                         | 489 410           | 0                  | 411 622               | 901 032           | 45.68 %               | fund + maximum contributions                    |
| DE                         | n.a.              | n.a.               | n.a.                  | n.a.              | n.a.                  | n.a.  |
| EE                         | 116 043           | 16 341             | 32 566                | 148 610           | 10.92 %               | fund + maximum contributions                    |
| IE                         | 526 100           | 143 300            | 143 300               | 669 400           | 0                     | fund + ordinary contributions                   |
| GR                         | 942 181           | 602 109            | 1 806 327             | 2 748 508         | 43.81 %               | fund + maximum contributions                    |
| ES                         | 6 502 717         | 412 500            | 1 631 019             | 8 133 736         | 14.98 %               | fund + maximum contributions                    |
| FR                         | 1 624 000         | 95 400             | n.a.                  | 1 719 400         | n.a.                  | fund + ordinary contributions                   |
| IT                         | 0                 | 0                  | 0                     | 0                 | not defined           | ex-post virtual fund **                         |
| CY                         | 8 392             | 24 656             | 177 342               | 185 733           | 82.21 %               | fund + maximum contributions                    |
| LV                         | 95 599            | 24 334             | 24 334                | 119 934           | 0                     | fund + ordinary contributions                   |
| LT                         | confidential      | confidential       | confidential          | 298 659           | 0                     | fund + ordinary contributions                   |
| LU                         | 0                 | 0                  | 0                     | 0                 | not defined           | ex-post fund                                    |
| HU                         | 248 690           | 3 897              | 88 842                | 337 532           | 25.17 %               | fund + maximum contributions                    |
| MT                         | 6 861             | 713                | 20 187                | 27 048            | 72.00 %               | fund + maximum contributions                    |
| NL                         | 0                 | 0                  | 0                     | 0                 | not defined           | ex-post fund                                    |
| AT                         | 0                 | 0                  | 0                     | 0                 | not defined           | ex-post fund **                                 |
| PL                         | confidential      | confidential       | n.a.                  | 780 199           | n.a.                  | fund + ordinary contributions                   |
| PT                         | 1 377 232         | 47 877             | 566 331               | 1 943 563         | 26.68%                | fund + maximum and extraordinary contributions  |
| RO                         | 219 495           | 24 962             | 269 376               | 488 870           | 50.00%                | fund + maximum and extraordinary contributions  |
| SI                         | 0                 | 0                  | 0                     | 0                 | not defined           | ex-post fund **                                 |
| SK                         | -22 544           | 37 241             | 315 525               | 292 981           | n.a.                  | fund + maximum and extraordinary contributions  |
| FI                         | 549 000           | 39 668             | 39 668                | 588 668           | 0                     | fund + ordinary contributions                   |
| SE                         | 1 821 744         | 58 694             | 85 707                | 1 907 451         | 1.42 %                | fund + maximum contributions                    |
| UK                         | 0                 | 0                  | 0                     | 0                 | not defined           | ex-post fund                                    |
| <b>Total</b>               | <b>16 822 900</b> | <b>1 812 589</b>   | <b>9 100 154</b>      | <b>23 103 113</b> | <b>-</b>              | <b>-</b>  |
| <b>EU simple average</b>   | <b>-</b>          | <b>-</b>           | <b>-</b>              | <b>-</b>          | <b>21.06 % ***</b>    | <b>-</b>  |
| <b>EU weighted average</b> | <b>-</b>          | <b>-</b>           | <b>-</b>              | <b>-</b>          | <b>18.98 % ***</b>    | <b>-</b>  |

\* Figures in the column D have been calculated as follows: D=A+C, if C is available, otherwise D=A+B. The extraordinary ratio is the ratio between extraordinary contributions and total funds (i.e. the fund + current contributions + extraordinary contributions).

\*\* The following rules have been set for ex-post MS: IT – the maximum amount for the virtual fund is set as 0.8% of the contribution base. AT – the maximum amount is set as 0.93% of the assessment basis for the solvency ratio; the figure cannot be estimated and it has not been considered in the analysis. SI – according to the Regulation on the DGS, member banks must invest assets in the amount of at least 2.5% of their covered deposits; this amount is equal to € 220 534 000 and it has not been taken into account in the analysis since it is the minimum amount that members must undertake to make available in case of intervention.

\*\*\* Ratios for CY and MT are much higher than the indicators of other MS because of the peculiar funding mechanisms of those two DGS. The EU simple average excluding these two DGS is 21.06% and it would be 32.93% if they were included. As to the EU weighted average (according to the amount of eligible deposits), it is 18.98% when excluding CY and MT, and it would be 21.19% when including them.

**(b) Description of the contribution base, definition of the annual contribution, maximum amount of annual contribution, and extraordinary contributions**

|                   | Base     | Annual contribution  | Maximum amount of annual contribution  | Extraordinary / additional contributions  |
|-------------------|----------|--|--|---|
| BE                | eligible | 0.0175% of the contribution base   | NO   | Up to 200% of the regular annual premium per year   |
| BG                | eligible | 0.5% of the contribution base  | 1.5% of the contribution base  | NO  |
| CZ                | eligible | 0.1% of the contribution base  | NO   | When the DGS has been granted a loan, or another form of repayable financial assistance, the contributions shall be doubled until the debt is repaid  |
| DK                | covered  | Only in case the fund is below the minimum level: in case, apportioned among members on the basis of their contribution base                           | 0.2% of the total amount of deposits   | Extraordinary contributions can be raised, but they cannot exceed the max amount of contributions   |
| DE <sup>160</sup> | eligible | 0.016% of the contribution base  | 0.6% of own fund   | Up to five times the annual contributions or entry fee, after three consecutive years limited to the double annual contribution or entry fee (individual exemption on request if bank in jeopardy because of extraordinary contributions)           |
| EE                | eligible | Quarterly contributions, each 0,07% of the contribution base in 2005, 0,09% in 2006  | 0.0008% of the contribution base (quarterly payments)                                | NO  |
| IE                | total    | 0.2% of its relevant deposits subject to a minimum of € 25 400   | NO   | Banks are allowed to pay additional contributions; these additional payments are limited in any one year to the amount a bank is at that time normally required to hold with the scheme. The amount is recouped in subsequent years as appropriate. |
| GR                | eligible | Different classes according to their contribution base. A different percentage is applied to different classes, ranging in 2008 from 0.0125% to 0.625% | Max contributions can be levied up to a max of three times the regular contributions | NO  |
| ES                | eligible | 0.04%, 0.06%, 0.08% of the contribution base   | The percentages (0.04%, 0.06%, 0.08%) can be raised to 0.2%                          | When the fund size is negative, extraordinary contributions can be raised in order to make the deficit disappear  |
| FR                | eligible | Risk-based   | NO   | Fixed by the regulator without a max as long as the stability of the banking sector is not endangered   |

<sup>160</sup> Information refers to EdB - Federal Compensation Fund of Private Banks, and to EdÖ - Federal Compensation Fund of Public Banks

|    | Base     | Annual contribution  | Maximum amount of annual contribution   | Extraordinary / additional contributions  |
|----|----------|--|---|---|
| IT | covered  | Ex-post  | 0.8% of the contribution base   | Not appropriate   |
| CY | eligible | Initial and special contributions, set by DGS  | 0.3% of the contribution base   | Supplementary contributions may be levied if the DGS amount falls below a basic level of capital. Special contributions may be levied if it appears that payments may exhaust the resources of the DGS                              |
| LV | eligible | Quarterly contributions, each 0.05% of the contribution base   | NO  | NO  |
| LT | eligible | 0.45% of the contribution base (commercial banks and branches of foreign banks) and 0.2% of the contribution base (credit unions)  | NO  | NO  |
| LU | eligible | Ex-post  | NO  | Not appropriate   |
| HU | eligible | Quarterly depending on the size of the contributions base, ranging in 2005 from 0.005% to 0.05%  | The percentages can be raised to a max of 0.2%  | Extraordinary contributions can be raised in case the level of the fund is not sufficient   |
| MT | eligible | From 2007, members must maintain 0.1% of their contribution base in the fund   | 0.3% of the contribution base.  | NO  |
| NL | other    | Ex-post  | NO  | Not appropriate   |
| AT | covered  | Ex-post  | Max contributions can be levied up to 0.93% of the assessment basis for the solvency ratio  | Not appropriate   |
| PL | other    | Amount equalling 12.5-times the sum total of capital requirements  | 0.3%*12.5*capital requirement.  | NO  |
| PT | eligible | PT1: 0.0375% of the contribution base, weighed by the solvency indicator<br>PT2: the annual rate is between 0.2% and 0.27% of the contribution base. This rate is then adjusted taking into account its solvency indicator | Max annual rate is 0.2% for PT1 and 0.27% for PT2. The annual rate is adjusted with the solvency ratio (capital adequacy ratio). The adjustment varies from 0.8 to 1.2. | When the Fund's resources are insufficient, additional contributions may be levied, but the overall value of these contributions shall not exceed, in each fiscal year of the Fund's activity, the value of its annual contribution |
| RO | eligible | Ex-ante part: 0.1% of the contribution base  | 0.5% of the contribution base   | Extraordinary contributions can be raised, but they cannot exceed annual contributions  |
| SI | covered  | Ex-post  | NO  | Not appropriate   |
| SK | eligible | Between 0.1% - 0.75% of the contribution base  | 0.75% of the amount of the contribution base  | Extraordinary contributions can be levied for supplementing the fund, or for repayment of a loan. This contributions  |

|    | Base    | Annual contribution  | Maximum amount of annual contribution | Extraordinary / additional contributions           |
|----|---------|--|---------------------------------------|--|
|    |         |  |                                       | range between 0.1% and 1% of the contribution base |
| FI | covered | 0.175 % of the amount obtained by dividing the minimum amount of consolidated own funds required to cover risks by the actual amount of consolidated own funds, and then multiplying the sum by the amount of covered deposits | NO                                    | NO   |
| SE | covered | 0.1% of the contribution base, adjusted by taking into account the capital adequacy ratio  | 0.14% of the contribution base        | NO   |
| UK | other   | Ex-post  | NO                                    | Not appropriate                                    |

Source: Joint Research Centre.

**ANNEX 14: POTENTIAL TOTAL COSTS OF SETTING A TARGET LEVEL FOR DGS UNDER VARIOUS SCENARIOS (€THOUSANDS)**

**(a) Potential total costs in normal times (i.e. if only ex-ante contributions are collected)**

| Member States                    | 2007 fund size    | 2008 contributions | Total funds in 2008 | Scenarios based on banks' size |                   | Scenarios based on DGS payout |                   |
|----------------------------------|-------------------|--------------------|---------------------|--------------------------------|-------------------|-------------------------------|-------------------|
|                                  |                   |                    |                     | Big failure                    | Small failure     | Big payout                    | Medium payout     |
| BE                               | 765 000           | 50 895             | 866 790             | 12 723 750                     | 631 800           | 3 439 800                     | 1 053 000         |
| BG                               | 265 768           | 69 893             | 512 567             | 894 646                        | 44 424            | 241 863                       | 74 040            |
| CZ                               | 304 492           | 63 969             | 432 430             | 4 120 803                      | 204 619           | 1 114 038                     | 341 032           |
| DK                               | 489 410           | 0                  | 901 032             | 10 602 364                     | 526 462           | 2 866 294                     | 877 437           |
| DE                               | n.a.              | n.a.               | n.a.                | 128 625 585                    | 6 386 926         | 34 773 262                    | 10 644 876        |
| EE                               | 116 043           | 16 341             | 148 610             | 354 158                        | 17 586            | 95 745                        | 29 310            |
| IE                               | 526 100           | 143 300            | 669 400             | 11 056 021                     | 548 989           | 2 988 938                     | 914 981           |
| GR                               | 942 181           | 602 109            | 2 748 508           | 8 842 712                      | 439 086           | 2 390 581                     | 731 811           |
| ES                               | 6 502 717         | 412 500            | 8 133 736           | 44 343 335                     | 2 201 876         | 11 987 991                    | 3 669 793         |
| FR                               | 1 624 000         | 95 400             | 1 719 400           | 96 000 135                     | 4 766 903         | 25 953 140                    | 7 944 839         |
| IT                               | 0                 | 0                  | 0                   | 31 231 772                     | 1 550 819         | 8 443 348                     | 2 584 698         |
| CY                               | 8 392             | 24 656             | 185 733             | 3 214 321                      | 159 608           | 868 975                       | 266 013           |
| LV                               | 95 599            | 24 334             | 119 934             | 650 676                        | 32 309            | 175 907                       | 53 849            |
| LT                               | confidential      | confidential       | 298 659             | 589 152                        | 29 254            | 159 274                       | 48 757            |
| LU                               | 0                 | 0                  | 0                   | 5 653 347                      | 280 718           | 1 528 353                     | 467 863           |
| HU                               | 248 690           | 3 897              | 604 059             | 2 415 405                      | 119 937           | 652 992                       | 199 896           |
| MT                               | 6 861             | 713                | 27 048              | 365 882                        | 18 168            | 98 914                        | 30 280            |
| NL                               | 0                 | 0                  | 0                   | 24 229 275                     | 1 203 109         | 6 550 259                     | 2 005 181         |
| AT                               | 0                 | 0                  | 0                   | 11 495 409                     | 570 807           | 3 107 724                     | 951 344           |
| PL                               | confidential      | confidential       | 780 199             | 4 937 566                      | 245 176           | 1 334 845                     | 408 626           |
| PT                               | 1 377 232         | 47 877             | 1 943 563           | 7 536 615                      | 374 232           | 2 037 485                     | 623 720           |
| RO                               | 219 495           | 24 962             | 488 870             | 1 464 730                      | 72 731            | 395 982                       | 121 219           |
| SI                               | 0                 | 0                  | 0                   | 839 023                        | 41 662            | 226 826                       | 69 436            |
| SK                               | -22 544           | 37 241             | 292 981             | 980 381                        | 48 681            | 265 041                       | 81 135            |
| FI                               | 549 000           | 39 668             | 588 668             | 5 115 947                      | 254 033           | 1 383 070                     | 423 389           |
| SE                               | 1 821 744         | 58 694             | 1 907 451           | 14 104 155                     | 700 344           | 3 812 985                     | 1 167 240         |
| UK                               | 0                 | 0                  | 0                   | 71 761 628                     | 3 563 336         | 19 400 385                    | 5 938 893         |
| <b>Total EU</b>                  | <b>16 822 900</b> | <b>1 812 589</b>   | <b>23 103 113</b>   | <b>504 148 791</b>             | <b>25 033 595</b> | <b>136 294 018</b>            | <b>41 722 659</b> |
| <b>Total MS with ex-ante DGS</b> | <b>16 822 900</b> | <b>1 812 589</b>   | <b>23 103 113</b>   | <b>358 938 338</b>             | <b>17 823 145</b> | <b>97 037 123</b>             | <b>29 705 242</b> |
| <b>Total MS with ex-post DGS</b> | <b>-</b>          | <b>-</b>           | <b>-</b>            | <b>145 210 453</b>             | <b>7 210 450</b>  | <b>39 256 895</b>             | <b>12 017 417</b> |

(b) Potential total costs in a crisis situation (i.e. if both ex-ante and ex-post contributions are collected)

| Member States                    | 2007 fund size    | 2008 contributions | Total funds in 2008 | Scenarios based on banks' size |                   | Scenarios based on DGS payout |                   |
|----------------------------------|-------------------|--------------------|---------------------|--------------------------------|-------------------|-------------------------------|-------------------|
|                                  |                   |                    |                     | Big failure                    | Small failure     | Big payout                    | Medium payout     |
| BE                               | 765 000           | 50 895             | 866 790             | 16 965 000                     | 842 400           | 4 586 400                     | 1 404 000         |
| BG                               | 265 768           | 69 893             | 512 567             | 1 192 861                      | 59 232            | 322 484                       | 98 720            |
| CZ                               | 304 492           | 63 969             | 432 430             | 5 494 404                      | 272 826           | 1 485 384                     | 454 709           |
| DK                               | 489 410           | 0                  | 901 032             | 14 136 485                     | 701 950           | 3 821 726                     | 1 169 916         |
| DE                               | n.a.              | n.a.               | n.a.                | 171 500 780                    | 8 515 901         | 46 364 349                    | 14 193 168        |
| EE                               | 116 043           | 16 341             | 148 610             | 472 211                        | 23 448            | 127 660                       | 39 080            |
| IE                               | 526 100           | 143 300            | 669 400             | 14 741 361                     | 731 985           | 3 985 251                     | 1 219 975         |
| GR                               | 942 181           | 602 109            | 2 748 508           | 11 790 282                     | 585 449           | 3 187 442                     | 975 748           |
| ES                               | 6 502 717         | 412 500            | 8 133 736           | 59 124 446                     | 2 935 835         | 15 983 988                    | 4 893 058         |
| FR                               | 1 624 000         | 95 400             | 1 719 400           | 128 000 180                    | 6 355 871         | 34 604 187                    | 10 593 118        |
| IT                               | 0                 | 0                  | 0                   | 41 642 363                     | 2 067 759         | 11 257 797                    | 3 446 264         |
| CY                               | 8 392             | 24 656             | 185 733             | 4 285 762                      | 212 810           | 1 158 634                     | 354 684           |
| LV                               | 95 599            | 24 334             | 119 934             | 867 568                        | 43 079            | 234 543                       | 71 799            |
| LT                               | confidential      | confidential       | 298 659             | 785 536                        | 39 006            | 212 366                       | 65 010            |
| LU                               | 0                 | 0                  | 0                   | 7 537 796                      | 374 291           | 2 037 804                     | 623 818           |
| HU                               | 248 690           | 3 897              | 604 059             | 3 220 540                      | 159 916           | 870 656                       | 266 527           |
| MT                               | 6 861             | 713                | 27 048              | 487 843                        | 24 224            | 131 886                       | 40 373            |
| NL                               | 0                 | 0                  | 0                   | 32 305 699                     | 1 604 145         | 8 733 679                     | 2 673 575         |
| AT                               | 0                 | 0                  | 0                   | 15 327 212                     | 761 075           | 4 143 632                     | 1 268 459         |
| PL                               | confidential      | confidential       | 780 199             | 6 583 422                      | 326 901           | 1 779 794                     | 544 835           |
| PT                               | 1 377 232         | 47 877             | 1 943 563           | 10 048 820                     | 498 976           | 2 716 647                     | 831 626           |
| RO                               | 219 495           | 24 962             | 488 870             | 1 952 973                      | 96 975            | 527 976                       | 161 625           |
| SI                               | 0                 | 0                  | 0                   | 1 118 697                      | 55 549            | 302 434                       | 92 582            |
| SK                               | -22 544           | 37 241             | 292 981             | 1 307 175                      | 64 908            | 353 388                       | 108 180           |
| FI                               | 549 000           | 39 668             | 588 668             | 6 821 262                      | 338 711           | 1 844 093                     | 564 518           |
| SE                               | 1 821 744         | 58 694             | 1 907 451           | 18 805 539                     | 933 792           | 5 083 980                     | 1 556 320         |
| UK                               | 0                 | 0                  | 0                   | 95 682 170                     | 4 751 115         | 25 867 180                    | 7 918 524         |
| <b>Total EU</b>                  | <b>16 822 900</b> | <b>1 812 589</b>   | <b>23 103 113</b>   | <b>672 198 388</b>             | <b>33 378 127</b> | <b>181 725 357</b>            | <b>55 630 211</b> |
| <b>Total MS with ex-ante DGS</b> | <b>16 822 900</b> | <b>1 812 589</b>   | <b>23 103 113</b>   | <b>478 584 450</b>             | <b>23 764 193</b> | <b>129 382 831</b>            | <b>39 606 989</b> |
| <b>Total MS with ex-post DGS</b> | <b>-</b>          | <b>-</b>           | <b>-</b>            | <b>193 613 937</b>             | <b>9 613 933</b>  | <b>52 342 527</b>             | <b>16 023 222</b> |

**(c) Potential total costs for DGS involved in bank resolution under scenarios based on government intervention**

| Member States                    | 2007 fund size    | 2008 contributions | Total funds in 2008 | Total costs in normal times<br>(only <i>ex-ante</i> contributions are collected) |                     | Total costs in a crisis situation<br>(both <i>ex-ante</i> and <i>ex-post</i> contributions are collected) |                     |
|----------------------------------|-------------------|--------------------|---------------------|--|---------------------|---|---------------------|
|                                  |                   |                    |                     | Big intervention   | Medium intervention | Big intervention  | Medium intervention |
| BE                               | 765 000           | 50 895             | 866 790             | 6 669 000  | 2 281 500           | 8 892 000   | 3 042 000           |
| BG                               | 265 768           | 69 893             | 512 567             | 468 918  | 160 419             | 625 224   | 213 892             |
| CZ                               | 304 492           | 63 969             | 432 430             | 2 159 869  | 738 903             | 2 879 826   | 985 204             |
| DK                               | 489 410           | 0                  | 901 032             | 5 557 101  | 1 901 114           | 7 409 468   | 2 534 818           |
| DE                               | n.a.              | n.a.               | n.a.                | 67 417 548   | 23 063 898          | 89 890 064  | 30 751 864          |
| EE                               | 116 043           | 16 341             | 148 610             | 185 628  | 63 504              | 247 504   | 84 672              |
| IE                               | 526 100           | 143 300            | 669 400             | 5 794 880  | 1 982 459           | 7 726 506   | 2 643 279           |
| GR                               | 942 181           | 602 109            | 2 748 508           | 4 634 801  | 1 585 590           | 6 179 734   | 2 114 120           |
| ES                               | 6 502 717         | 412 500            | 8 133 736           | 23 242 024   | 7 951 219           | 30 989 365  | 10 601 625          |
| FR                               | 1 624 000         | 95 400             | 1 719 400           | 50 317 312   | 17 213 817          | 67 089 750  | 22 951 756          |
| IT                               | 0                 | 0                  | 0                   | 16 369 756   | 5 600 180           | 21 826 342  | 7 466 906           |
| CY                               | 8 392             | 24 656             | 185 733             | 1 684 748  | 576 361             | 2 246 330   | 768 481             |
| LV                               | 95 599            | 24 334             | 119 934             | 341 044  | 116 673             | 454 725   | 155 564             |
| LT                               | confidential      | confidential       | 298 659             | 308 797  | 105 641             | 411 729   | 140 855             |
| LU                               | 0                 | 0                  | 0                   | 2 963 134  | 1 013 704           | 3 950 845   | 1 351 605           |
| HU                               | 248 690           | 3 897              | 604 059             | 1 266 005  | 433 107             | 1 688 007   | 577 476             |
| MT                               | 6 861             | 713                | 27 048              | 191 773  | 65 606              | 255 697   | 87 475              |
| NL                               | 0                 | 0                  | 0                   | 12 699 482   | 4 344 560           | 16 932 642  | 5 792 746           |
| AT                               | 0                 | 0                  | 0                   | 6 025 180  | 2 061 246           | 8 033 573   | 2 748 328           |
| PL                               | confidential      | confidential       | 780 199             | 2 587 966  | 885 357             | 3 450 621   | 1 180 476           |
| PT                               | 1 377 232         | 47 877             | 1 943 563           | 3 950 226  | 1 351 393           | 5 266 968   | 1 801 857           |
| RO                               | 219 495           | 24 962             | 488 870             | 767 720  | 262 641             | 1 023 627   | 350 188             |
| SI                               | 0                 | 0                  | 0                   | 439 764  | 150 446             | 586 352   | 200 594             |
| SK                               | -22 544           | 37 241             | 292 981             | 513 855  | 175 793             | 685 140   | 234 390             |
| FI                               | 549 000           | 39 668             | 588 668             | 2 681 462  | 917 342             | 3 575 282   | 1 223 123           |
| SE                               | 1 821 744         | 58 694             | 1 907 451           | 7 392 522  | 2 529 021           | 9 856 696   | 3 372 028           |
| UK                               | 0                 | 0                  | 0                   | 37 612 991   | 12 867 602          | 50 150 655  | 17 156 803          |
| <b>Total EU</b>                  | <b>16 822 900</b> | <b>1 812 589</b>   | <b>23 103 113</b>   | <b>264 243 504</b>   | <b>90 399 094</b>   | <b>352 324 672</b>  | <b>120 532 125</b>  |
| <b>Total MS with ex-ante DGS</b> | <b>16 822 900</b> | <b>1 812 589</b>   | <b>23 103 113</b>   | <b>188 133 198</b>   | <b>64 361 357</b>   | <b>250 844 264</b>  | <b>85 815 143</b>   |
| <b>Total MS with ex-post DGS</b> | <b>-</b>          | <b>-</b>           | <b>-</b>            | <b>76 110 306</b>  | <b>26 037 736</b>   | <b>101 480 409</b>  | <b>34 716 982</b>   |



**(d) Potential impact on banks: variation in operating profits \***

|       | Big bank failure |                  | Small bank failure |                  | Big DGS payout |                  | Medium DGS payout |                  | Big gov't intervention |                  | Medium gov't intervention |                  |
|-------|------------------|------------------|--------------------|------------------|----------------|------------------|-------------------|------------------|------------------------|------------------|---------------------------|------------------|
|       | Normal times     | Crisis situation | Normal times       | Crisis situation | Normal times   | Crisis situation | Normal times      | Crisis situation | Normal times           | Crisis situation | Normal times              | Crisis situation |
| EU    | -29.20%          | -41.76%          | -4.81%             | -7.35%           | -4.66%         | -7.34%           | -11.02%           | -17.61%          | -12.56%                | -18.35%          | -5.75%                    | -9.20%           |
| EU-15 | -38.56%          | -53.65%          | -5.85%             | -9.09%           | -6.84%         | -10.68%          | -14.59%           | -23.66%          | -17.64%                | -25.08%          | -8.32%                    | -13.08%          |
| EU-12 | -19.84%          | -29.88%          | -3.77%             | -5.61%           | -2.48%         | -4.00%           | -7.45%            | -11.55%          | -7.47%                 | -11.63%          | -3.18%                    | -5.32%           |

**(e) Potential impact on consumers: interest rates \***

|       | Big bank failure |                  | Small bank failure |                  | Big DGS payout |                  | Medium DGS payout |                  | Big gov't intervention |                  | Medium gov't intervention |                  |
|-------|------------------|------------------|--------------------|------------------|----------------|------------------|-------------------|------------------|------------------------|------------------|---------------------------|------------------|
|       | Normal times     | Crisis situation | Normal times       | Crisis situation | Normal times   | Crisis situation | Normal times      | Crisis situation | Normal times           | Crisis situation | Normal times              | Crisis situation |
| EU    | 0.354%           | 0.526%           | 0.039%             | 0.060%           | 0.040%         | 0.072%           | 0.088%            | 0.143%           | 0.138%                 | 0.213%           | 0.045%                    | 0.086%           |
| EU-15 | 0.412%           | 0.594%           | 0.022%             | 0.038%           | 0.051%         | 0.094%           | 0.072%            | 0.128%           | 0.172%                 | 0.255%           | 0.052%                    | 0.103%           |
| EU-12 | 0.311%           | 0.478%           | 0.051%             | 0.075%           | 0.032%         | 0.056%           | 0.100%            | 0.154%           | 0.113%                 | 0.182%           | 0.039%                    | 0.073%           |

**(f) Potential impact on consumers: bank fees (€) \***

|       | Big bank failure |                  | Small bank failure |                  | Big DGS payout |                  | Medium DGS payout |                  | Big gov't intervention |                  | Medium gov't intervention |                  |
|-------|------------------|------------------|--------------------|------------------|----------------|------------------|-------------------|------------------|------------------------|------------------|---------------------------|------------------|
|       | Normal times     | Crisis situation | Normal times       | Crisis situation | Normal times   | Crisis situation | Normal times      | Crisis situation | Normal times           | Crisis situation | Normal times              | Crisis situation |
| EU    | 31.08            | 44.26            | 4.28               | 6.73             | 4.48           | 7.54             | 10.29             | 16.56            | 13.23                  | 19.56            | 5.41                      | 9.34             |
| EU-15 | 48.24            | 68.43            | 2.80               | 5.26             | 6.41           | 11.46            | 10.36             | 18.85            | 20.62                  | 30.40            | 7.08                      | 13.30            |
| EU-12 | 18.60            | 26.68            | 5.36               | 7.80             | 3.07           | 4.69             | 10.24             | 14.89            | 7.86                   | 11.68            | 4.20                      | 6.46             |

\* Normal times: only *ex-ante* contributions are collected; crisis situation: both *ex-ante* and *ex-post* contributions are collected (*ex-ante* and *ex-post* contributions are 75% and 25% of the DGS funds respectively). Impact on banks: PL, NL and UK have been excluded because their contribution base is different than total, eligible or covered; DE has been excluded because 2008 contributions are not available; LT and FI have been excluded because the sample available from Bankscope was small; LU has been excluded because data available from Bankscope are not consistent with the data collected through the JRC survey. Impact on consumers has been performed only for *ex-ante* DGS. DE has been excluded because 2008 contributions were not available, DK has been excluded because it did not collect contributions in 2008.

General note: The analysis aims at investigating the DGS' capability of handling a failure of a certain size. The below table summarizes all the developed scenarios.

| Scenarios                      | Size of the failure (% of the total amount of eligible deposits)   |
|--------------------------------|--|
| Big bank failure               | Failure of a big member bank (average of top-10 member banks) 7.25%  |
| Small bank failure             | Failure of a small member bank (average of other than top-10 banks) 0.36%  |
| Big DGS payout                 | Maximum costs to DGS for a failure occurred in the EU MS in 2008 1.96%   |
| Medium DGS payout              | Average costs to DGS for a failure occurred in the EU MS in 2008 0.60%   |
| Big government intervention    | Maximum costs for banks' individual recapitalizations operated by governments of EU MS during the financial crisis 3.80% |
| Medium government intervention | Average costs for banks' individual recapitalizations operated by governments of EU MS during the financial crisis 1.30% |

Source: Joint Research Centre.

**ANNEX 15: NUMBER OF MEMBER STATES ABLE TO HANDLE THE COSTS UNDER VARIOUS SCENARIOS ON A TARGET LEVEL FOR DGS**

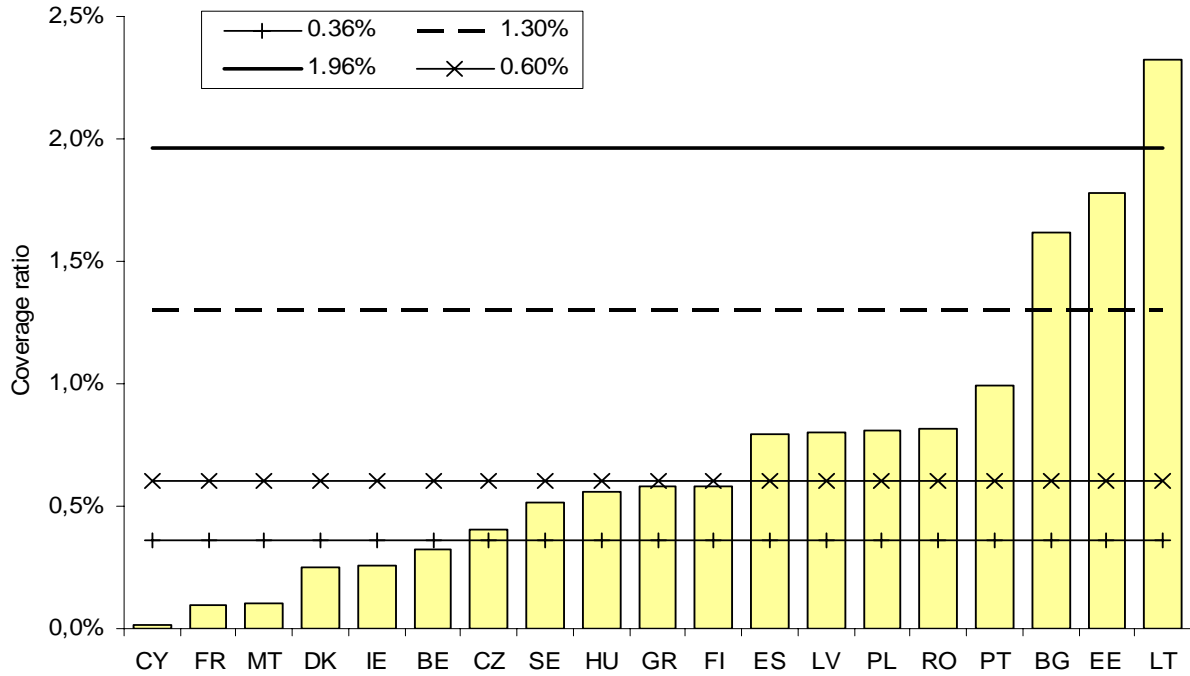
| Scenario<br>(target level - to be achieved after x years)                       | Number of MS able to handle the intervention with <u>cumulated funds plus ordinary contributions</u> within the time limit | Number of MS able to handle the intervention with <u>cumulated funds plus extraordinary contributions</u> within the time limit |
|---|--|---|
|   | Normal times *   | Crisis situation *  |
| <b>Big bank failure</b><br>(7.25% of eligible deposits - 10 years)              | 2<br>BG, LT  | 4<br>BG, GR, RO, SK   |
| <b>Small bank failure</b><br>(0.36% of eligible deposits - 1 year)              | 15<br>BE, BG, CZ, EE, IE, GR, ES, LV, LT, HU, PL, PT, RO, FI, SE   | 17<br>BE, BG, CZ, DK, EE, GR, ES, LV, LT, HU, MT, PL, PT, RO, SK, FI, SE,   |
| <b>Big DGS payout</b><br>(1.96% of eligible deposits - 10 years)                | 7<br>BG, EE, GR, LV, LT, RO, SK  | 14<br>BG, CZ, DK, EE, GR, ES, CY, LV, LT, HU, MT, PT, RO, SK  |
| <b>Medium DGS payout</b><br>(0.60% of eligible deposits - 1 year)               | 13<br>BG, CZ, EE, GR, ES, LV, LT, HU, PL, PT, RO, FI, SE   | 13<br>BG, EE, GR, ES, LV, LT, HU, PL, PT, RO, SK, FI, SE  |
| <b>Big government intervention</b><br>(3.80% of eligible deposits - 10 years)   | 4<br>BG, EE, GR, LT  | 7<br>BG, EE, GR, LT, PT, RO, SK   |
| <b>Medium government intervention</b><br>(1.30% of eligible deposits - 5 years) | 9<br>BG, EE, GR, ES, LV, LT, PL, PT, RO  | 13<br>BG, DK, EE, GR, ES, CY, LV, LT, HU, MT, PT, RO, SK  |

\* Normal times: only ex-ante contributions are collected; Crisis situation: both ex-ante and ex-post contributions are collected (up to max limits).

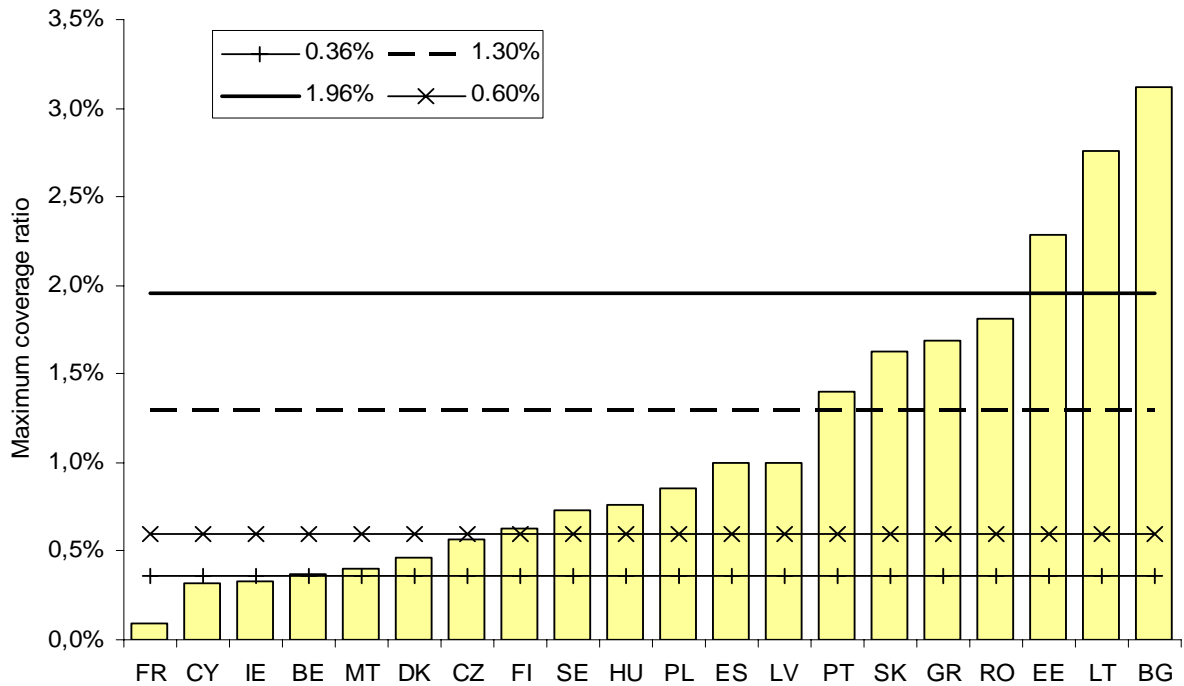
Source: Joint Research Centre.

**ANNEX 16: CURRENT CAPABILITY OF DGS TO COPE WITH A BANK FAILURE OF A CERTAIN SIZE (USING EX-ANTE FUNDS, CONTRIBUTIONS AND ADDITIONAL CONTRIBUTIONS AVAILABLE UNDER THE CURRENT REGIME)**

**(a) Actual coverage ratios\* vs. potential target levels (2007)**



**(b) Maximum coverage ratios\* vs. potential target levels (2007)**

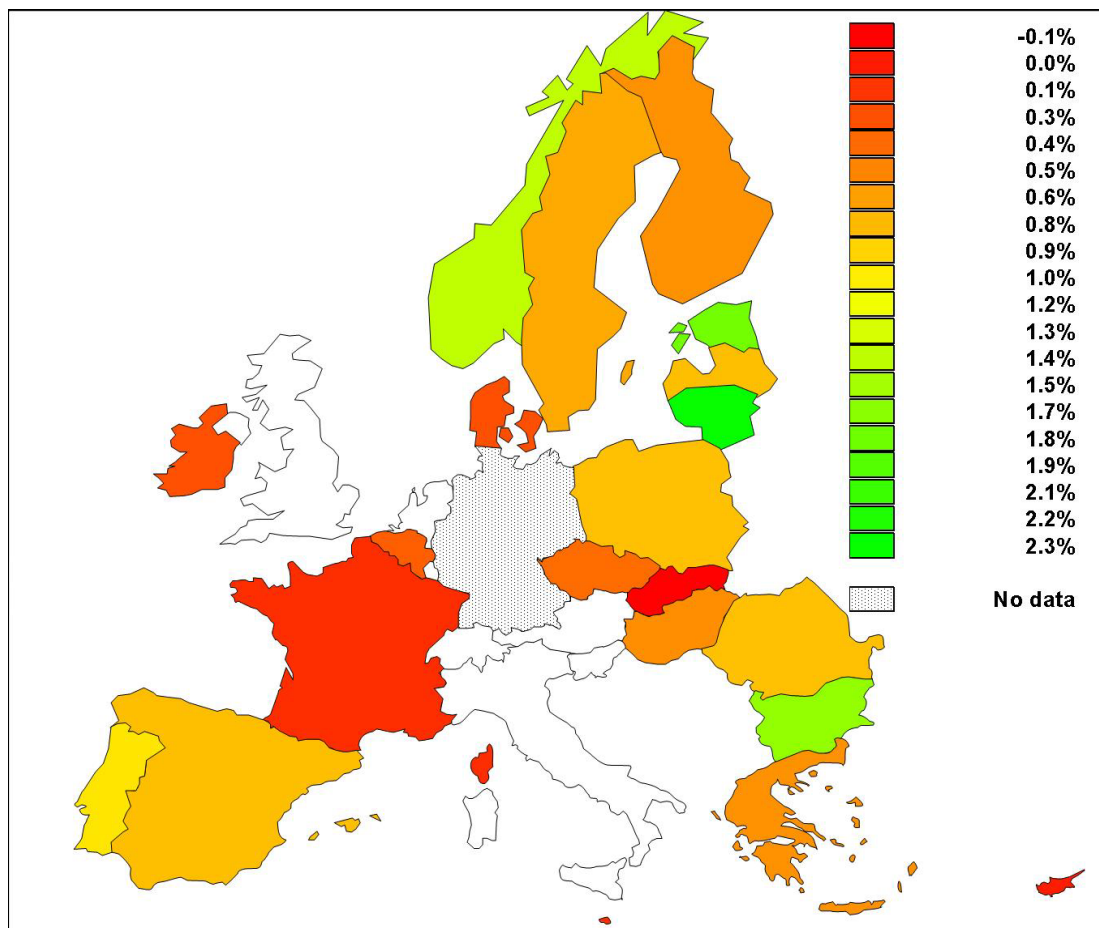


\* Coverage ratio = ex-ante fund / eligible deposits; Maximum coverage ratio = total funds (ex-ante fund plus additional contributions) / eligible deposits.

**(c) Target levels and coverage ratios at DGS having a target level for funds**

| Member States | Target level for DGS funds<br>(brief description)           | Target level for DGS funds<br>(as % of 2007 eligible deposits) | Coverage ratio<br>(as of 2007) |
|---------------|---|--|--------------------------------|
| BG            | 5% of the total amount of eligible deposits                 | 5.00 %   | 1.62 %                         |
| DK            | € 429 500 000   | 0.22 %   | 0.25 %                         |
| EE            | 2% of the total amount of eligible deposits                 | 2.00 %   | 1.78 %                         |
| ES            | 1% of the total amount of eligible deposits                 | 1.00 %   | 0.80 %                         |
| FR            | € 1 500 000 000   | 0.08 %   | 0.09 %                         |
| IT            | 0.8% of the total amount of covered deposits (virtual fund) | 0.56 %   | 0.00 %                         |
| LT            | 4% of the total amount of eligible deposits                 | 4.00 %   | 2.32 %                         |
| HU            | confidential  | confidential   | 0.56 %                         |
| MT            | € 7 000 000   | 0.10 %   | 0.10 %                         |
| RO            | € 399 000 000   | 1.48 %   | 0.81 %                         |

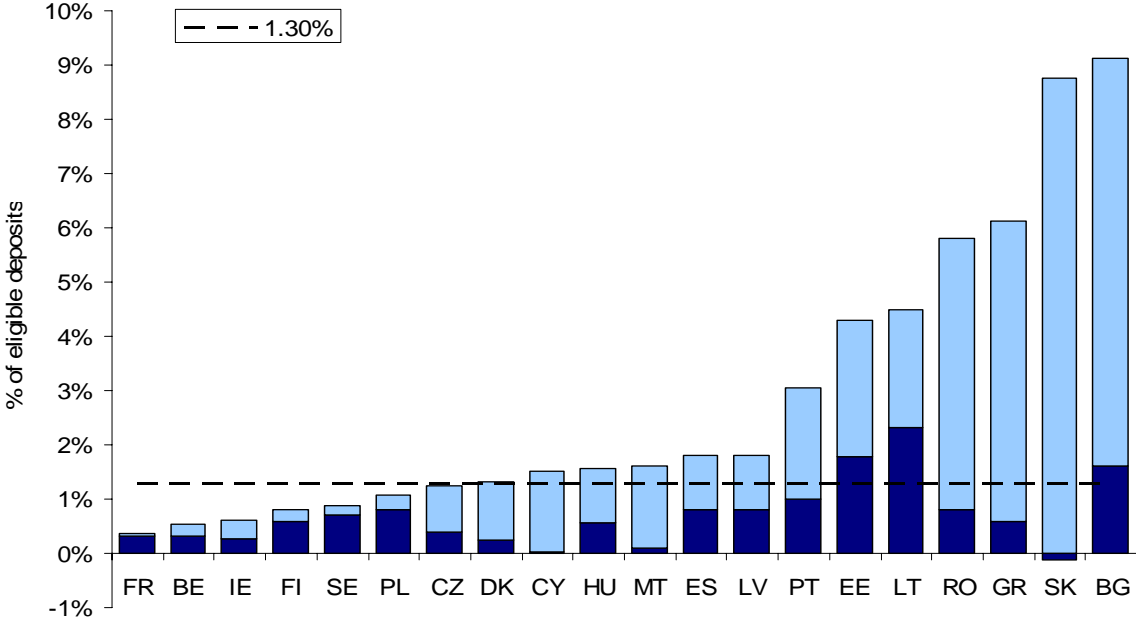
**(d) Coverage ratios in the EU and Norway (2007)**



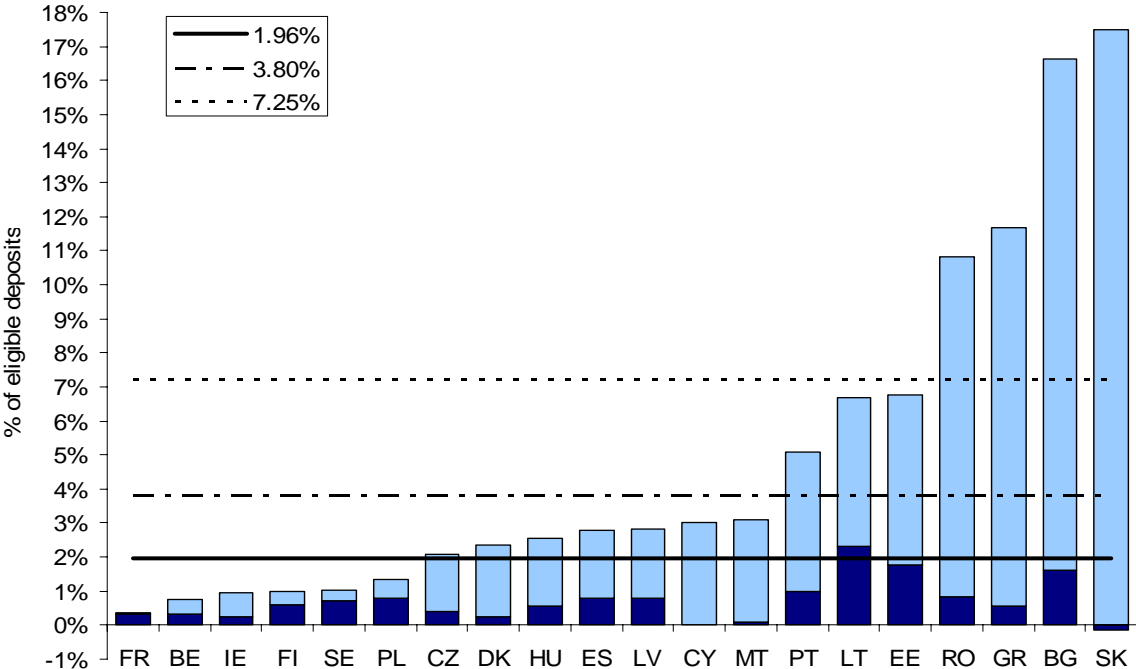
Source: Joint Research Centre.

**ANNEX 17: CURRENT CAPABILITY OF DGS TO COPE WITH A BANK FAILURE OF A CERTAIN SIZE (USING EX-ANTE AND ADDITIONAL CONTRIBUTIONS AVAILABLE UNDER THE CURRENT REGIME)**

**(a) Resources potentially available to DGS after 5 years**



**(b) Resources potentially available to DGS after 10 years**



Note: Dark blue bars – ex-ante funds; pale blue bars – ex-post funds.

Source: Joint Research Centre.

**ANNEX 18: HARMONIZED SCENARIOS ON DGS FUNDING\*: POTENTIAL IMPACT ON TOTAL DGS FUNDS AND BANK CONTRIBUTIONS**

**(a) Total ex-ante and ex-post funds to be collected within 10 years (€thousands)**

| Member States | 2007 size of funds | 2008 total funds  | Harmonised scenario A<br>(Target level 1.96% - Exclude all – 10 years) |                   | Harmonised scenario B<br>(Target level 1.96% - Include SME and large enterprises – 10 years) |                   | Harmonised scenario C<br>(Target level 1.96% - Include all – 10 years) |                   |
|---------------|--------------------|-------------------|--|-------------------|--|-------------------|--|-------------------|
|               |                    |                   | Ex-ante  | Ex-post           | Ex-ante  | Ex-post           | Ex-ante  | Ex-post           |
| BE            | 765 000            | 866 790           | 3 439 800  | 1 146 600         | 3 882 211  | 1 294 070         | 4 420 267  | 1 473 422         |
| BG            | 265 768            | 512 567           | 185 039  | 61 680            | 241 863  | 80 621            | 253 629  | 84 543            |
| CZ            | 304 492            | 432 430           | 935 232  | 311 744           | 1 111 641  | 370 547           | 1 142 802  | 380 934           |
| DK            | 489 410            | 901 032           | 2 514 465  | 838 155           | 2 750 410  | 916 803           | 2 866 294  | 955 431           |
| DE            | n.a.               | n.a.              | 34 773 262   | 11 591 087        | 38 630 767   | 12 876 922        | 49 225 548   | 16 408 516        |
| EE            | 116 043            | 148 610           | 95 745   | 31 915            | 112 430  | 37 477            | 114 544  | 38 181            |
| IE            | 526 100            | 669 400           | 2 988 938  | 996 313           | 3 784 456  | 1 261 485         | 4 435 895  | 1 478 632         |
| GR            | 942 181            | 2 748 508         | 2 182 417  | 727 472           | 2 351 713  | 783 904           | 2 408 295  | 802 765           |
| ES            | 6 502 717          | 8 133 736         | 10 873 755   | 3 624 585         | 11 987 991   | 3 995 997         | 13 954 605   | 4 651 535         |
| FR            | 1 624 000          | 1 719 400         | 24 285 156   | 8 095 052         | 25 953 140   | 8 651 047         | 26 654 536   | 8 884 845         |
| IT            | 0                  | 0                 | 6 882 665  | 2 294 222         | 8 443 348  | 2 814 449         | 10 812 940   | 3 604 313         |
| CY            | 8 392              | 185 733           | 821 353  | 273 784           | 868 975  | 289 658           | 934 597  | 311 532           |
| LV            | 95 599             | 119 934           | 152 431  | 50 810            | 175 907  | 58 636            | 189 107  | 63 036            |
| LT            | confidential       | 298 659           | 140 438  | 46 813            | 156 783  | 52 261            | 160 697  | 53 566            |
| LU            | 0                  | 0                 | 1 528 353  | 509 451           | 2 379 216  | 793 072           | 3 011 845  | 1 003 948         |
| HU            | 248 690            | 337 532           | 493 135  | 164 378           | 652 992  | 217 664           | 690 059  | 230 020           |
| MT            | 6 861              | 27 048            | 98 914   | 32 971            | 129 879  | 43 293            | 143 038  | 47 679            |
| NL            | 0                  | 0                 | 6 550 259  | 2 183 420         | 7 624 374  | 2 541 458         | 8 470 489  | 2 823 496         |
| AT            | 0                  | 0                 | 3 107 724  | 1 035 908         | 3 418 953  | 1 139 651         | 3 514 481  | 1 171 494         |
| PL            | confidential       | 780 199           | 1 261 250  | 420 417           | 1 574 351  | 524 784           | 1 692 092  | 564 031           |
| PT            | 1 377 232          | 1 943 563         | 1 845 839  | 615 280           | 2 037 485  | 679 162           | 2 129 080  | 709 693           |
| RO            | 219 495            | 488 870           | 395 982  | 131 994           | 553 660  | 184 553           | 586 574  | 195 525           |
| SI            | 0                  | 0                 | 226 826  | 75 609            | 248 697  | 82 899            | 262 026  | 87 342            |
| SK            | -22 544            | 292 981           | 265 041  | 88 347            | 396 501  | 132 167           | 429 061  | 143 020           |
| FI            | 549 000            | 588 668           | 1 218 783  | 406 261           | 1 342 277  | 447 425           | 1 383 070  | 461 023           |
| SE            | 1 821 744          | 1 907 451         | 2 581 530  | 860 510           | 3 686 872  | 1 228 957         | 3 898 618  | 1 299 539         |
| UK            | 0                  | 0                 | 18 093 971   | 6 031 324         | 24 518 359   | 8 172 786         | 27 772 405   | 9 257 468         |
| <b>EU</b>     | <b>16 822 900</b>  | <b>23 103 113</b> | <b>127 938 303</b>   | <b>42 646 101</b> | <b>149 015 250</b>   | <b>49 671 750</b> | <b>171 556 596</b>   | <b>57 185 532</b> |

\* This scenario assumes harmonising some key elements of DGS funding in all Member States: the target level for total funds of 1.96% of eligible deposits; proportions of total funds: 75% ex-ante / 25% ex-post (to be achieved within 10 years). It also assumes harmonising the scope of coverage: including/excluding non-financial enterprises, financial sector enterprises and authorities. The adoption of a given harmonised level of coverage has no impact on the results as the above assumptions on DGS funding are based on eligible (and not on covered) deposits.

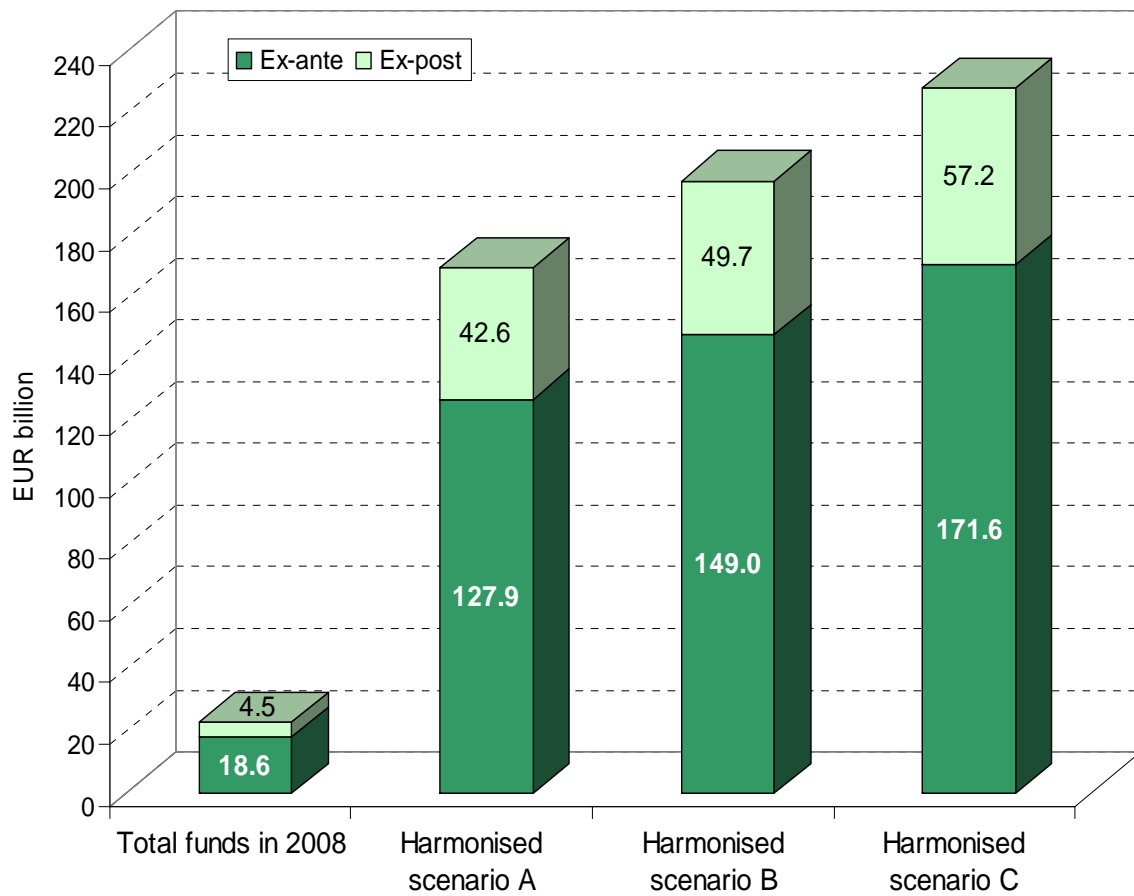
**(b) Bank contributions to be collected annually within 10 years (€thousands)**

| Member States     | 2008 contributions | Harmonised scenario A<br>(Target level 1.96% - Exclude All - 10 years) |                           | Harmonised scenario B<br>(Target level 1.96% - Include SME and large enterprises - 10 years) |                           | Harmonised scenario C<br>(Target level 1.96% - Include All - 10 years) |                           |
|-------------------|--------------------|--|---------------------------|--|---------------------------|--|---------------------------|
|                   |                    | Ex-ante contributions  | % change in contributions | Ex-ante contributions  | % change in contributions | Ex-ante contributions  | % change in contributions |
| BE                | 50 895             | 267 480  | 426%                      | 311 721  | 512%                      | 365 527  | 618%                      |
| BG                | 69 893             | (*)n.a.  | (*)n.a.                   | (*)n.a.  | (*)n.a.                   | (*)n.a.  | (*)n.a.                   |
| CZ                | 63 969             | 63 074   | -1%                       | 80 715   | 26%                       | 83 831   | 31%                       |
| DK                | 0                  | 202 506  | n.a.                      | 226 100  | n.a.                      | 237 688  | n.a.                      |
| DE                | n.a.               | n.a.   | n.a.                      | n.a.   | n.a.                      | n.a.   | n.a.                      |
| EE                | 16 341             | (*)n.a.  | (*)n.a.                   | (*)n.a.  | (*)n.a.                   | (*)n.a.  | (*)n.a.                   |
| IE                | 143 300            | 246 284  | 72%                       | 325 836  | 127%                      | 390 980  | 173%                      |
| GR                | 602 109            | 124 024  | -79%                      | 140 953  | -77%                      | 146 611  | -76%                      |
| ES                | 412 500            | 437 104  | 6%                        | 548 527  | 33%                       | 745 189  | 81%                       |
| FR                | 95 400             | 2 266 116  | 2275%                     | 2 432 914  | 2450%                     | 2 503 054  | 2 524%                    |
| IT                | 0                  | 688 266  | n.a.                      | 844 335  | n.a.                      | 1 081 294  | n.a.                      |
| CY                | 24 656             | 81 296   | 230%                      | 86 058   | 249%                      | 92 621   | 276%                      |
| LV                | 24 334             | 5 683  | -77%                      | 8 031  | -67%                      | 9 351  | -62%                      |
| LT                | confidential       | (*)n.a.  | (*)n.a.                   | n.a.   | n.a.                      | (*)n.a.  | (*)n.a.                   |
| LU                | 0                  | 152 835  | n.a.                      | 237 922  | n.a.                      | 301 185  | n.a.                      |
| HU                | 3 897              | 24 444   | 527%                      | 40 430   | 937%                      | 44 137   | 1 032%                    |
| MT                | 713                | 9 205  | 1 192%                    | 12 302   | 1626%                     | 13 618   | 1 811%                    |
| NL                | 0                  | 655 026  | n.a.                      | 762 437  | n.a.                      | 847 049  | n.a.                      |
| AT                | 0                  | 310 772  | n.a.                      | 341 895  | n.a.                      | 351 448  | n.a.                      |
| PL                | confidential       | 53 000   | confidential              | 84 310   | confidential              | 96 084   | confidential              |
| PT                | 47 877             | 46 861   | -2%                       | 66 025   | 38%                       | 75 185   | 57%                       |
| RO                | 24 962             | 17 649   | -29%                      | 33 416   | 34%                       | 36 708   | 47%                       |
| SI                | 0                  | 22 683   | n.a.                      | 24 870   | n.a.                      | 26 203   | n.a.                      |
| SK                | 37 241             | 28 759   | -23%                      | 41 905   | 13%                       | 45 161   | 21%                       |
| FI                | 39 668             | 66 978   | 69%                       | 79 328   | 100%                      | 83 407   | 110%                      |
| SE                | 58 694             | 75 979   | 29%                       | 186 513  | 218%                      | 207 687  | 254%                      |
| UK                | 0                  | 1 809 397  | n.a.                      | 2 451 836  | n.a.                      | 2 777 241  | n.a.                      |
| <b>Total EU</b>   | <b>1 812 589</b>   | <b>7 655 420</b>   | <b>-</b>                  | <b>9 368 379</b>   | <b>-</b>                  | <b>10 561 256</b>  | <b>-</b>                  |
| <b>EU average</b> | <b>-</b>           | <b>-</b>   | <b>289 %</b>              | <b>-</b>   | <b>393 %</b>              | <b>-</b>   | <b>437 %</b>              |

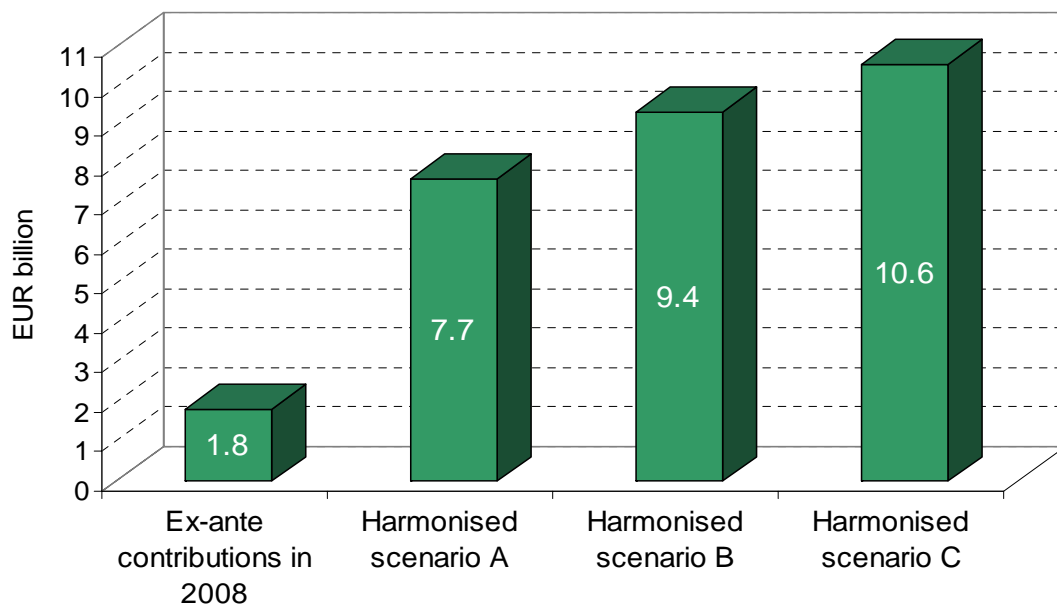
Note: There would be a particularly high impact in FR. This is because the amount of eligible deposits is very high in FR (see Annex 2), while the funds at DGS disposal and annual bank contributions are not proportionally high (see both tables in this annex).

\* It means that 2007 funds cover completely the ex-ante component and thus additional contributions do not have to be called to reach the target level.

**(c) Total ex-ante funds and additional contributions to be collected within 10 years**



**(d) Total amount of ex-ante contributions to be collected annually within 10 years**



Source: Joint Research Centre.



**ANNEX 19: HARMONIZED SCENARIOS ON DGS FUNDING: POTENTIAL IMPACT ON BANKS  
– VARIATION IN BANK OPERATING PROFITS**

| Member States | Harmonised scenario A<br>(Target level 1.96% - Exclude all - 10 years) |                    | Harmonised scenario B<br>(Target level 1.96% - Include SME and large enterprises - 10 years) |                    | Harmonised scenario C<br>(Target level 1.96% - Include all - 10 years) |                    |
|---------------|--|--------------------|--|--------------------|--|--------------------|
|               | Normal times *   | Crisis situation * | Normal times *   | Crisis situation * | Normal times *   | Crisis situation * |
| BE            | -15.28%  | -23.37%            | -17.58%  | -26.37%            | -20.33%  | -29.97%            |
| BG            | 13.50%   | 13.50%             | 13.50%   | 12.40%             | 13.50%   | 12.10%             |
| CZ            | 0.22%  | -2.99%             | -1.76%   | -5.64%             | -2.11%   | -6.11%             |
| DK            | -6.11%   | -8.64%             | -6.86%   | -9.64%             | -7.22%   | -10.13%            |
| DE            | n.a.   | n.a.               | n.a.   | n.a.               | n.a.   | n.a.               |
| EE            | 22.99%   | 21.36%             | 22.99%   | 18.25%             | 22.99%   | 17.86%             |
| IE            | -9.39%   | -17.19%            | -14.98%  | -24.62%            | -19.54%  | -30.67%            |
| GR            | 16.89%   | 14.24%             | 16.37%   | 13.57%             | 16.20%   | 13.35%             |
| ES            | -0.21%   | -3.28%             | -1.15%   | -4.54%             | -2.81%   | -6.74%             |
| FR            | -8.95%   | -12.29%            | -9.92%   | -13.59%            | -10.33%  | -14.14%            |
| IT            | -8.50%   | -11.33%            | -9.01%   | -12.02%            | -9.79%   | -13.05%            |
| CY            | -6.55%   | -9.72%             | -7.12%   | -10.47%            | -7.89%   | -11.51%            |
| LV            | 6.85%  | 4.99%              | 5.99%  | 3.83%              | 5.50%  | 3.19%              |
| LT            | n.a.   | n.a.               | n.a.   | n.a.               | n.a.   | n.a.               |
| LU            | n.a.   | n.a.               | n.a.   | n.a.               | n.a.   | n.a.               |
| HU            | -1.99%   | -3.57%             | -3.30%   | -5.26%             | -3.59%   | -5.65%             |
| MT            | -5.05%   | -7.02%             | -5.55%   | -7.66%             | -5.75%   | -7.92%             |
| NL            | n.a.   | n.a.               | n.a.   | n.a.               | n.a.   | n.a.               |
| AT            | -14.98%  | -19.97%            | -16.26%  | -21.68%            | -16.65%  | -22.20%            |
| PL            | n.a.   | n.a.               | n.a.   | n.a.               | n.a.   | n.a.               |
| PT            | 0.01%  | -2.56%             | -0.75%   | -3.54%             | -1.10%   | -4.00%             |
| RO            | 1.89%  | -1.52%             | -1.57%   | -5.99%             | -2.26%   | -6.89%             |
| SI            | -7.56%   | -10.08%            | -8.29%   | -11.05%            | -8.73%   | -11.64%            |
| SK            | 2.66%  | 0.47%              | -1.33%   | -4.84%             | -2.31%   | -6.16%             |
| FI            | n.a.   | n.a.               | n.a.   | n.a.               | n.a.   | n.a.               |
| SE            | -0.56%   | -2.53%             | -2.61%   | -5.10%             | -2.97%   | -5.57%             |
| UK            | n.a.   | n.a.               | n.a.   | n.a.               | n.a.   | n.a.               |
| <b>EU</b>     | <b>-1.01%</b>  | <b>-4.08%</b>      | <b>-2.46%</b>  | <b>-6.20%</b>      | <b>-3.26%</b>  | <b>-7.29%</b>      |
| <b>EU-15</b>  | <b>-4.71%</b>  | <b>-8.69%</b>      | <b>-6.27%</b>  | <b>-10.75%</b>     | <b>-7.45%</b>  | <b>-12.31%</b>     |
| <b>EU-12</b>  | <b>2.69%</b>   | <b>0.54%</b>       | <b>1.36%</b>   | <b>-1.64%</b>      | <b>0.93%</b>   | <b>-2.27%</b>      |

\* Normal times: only ex-ante contributions are collected; Crisis situation: both ex-ante and ex-post contributions are collected (up to max limits). PL, NL, UK have been excluded because their contribution base is different than total, eligible or covered; DE has been excluded because 2008 contributions are not available; LT and FI have been excluded because the sample available from Bankscope was small; LU has been excluded because data available from Bankscope are not consistent with the data collected through the JRC survey. Source: Joint Research Centre.

## ANNEX 20: HARMONIZED SCENARIOS ON DGS FUNDING: POTENTIAL IMPACT ON DEPOSITORS

### (a) Potential decrease of interest rates on savings

| Member States | Harmonised scenario A<br>(Target level 1.96% - Exclude all - 10 years) |                    | Harmonised scenario B<br>(Target level 1.96% - Include SME and large enterprises - 10 years) |                    | Harmonised scenario C<br>(Target level 1.96% - Include all - 10 years) |                    |
|---------------|--|--------------------|--|--------------------|--|--------------------|
|               | Normal times *   | Crisis situation * | Normal times *   | Crisis situation * | Normal times *   | Crisis situation * |
| BE            | 0.093%   | 0.142%             | 0.111%   | 0.167%             | 0.134%   | 0.197%             |
| BG            | n.a.**   | n.a.**             | n.a.**   | 0.000%             | n.a.**   | 0.000%             |
| CZ            | 0.000%   | 0.040%             | 0.022%   | 0.071%             | 0.026%   | 0.076%             |
| DK            | n.a.   | n.a.               | n.a.   | n.a.               | n.a.   | n.a.               |
| DE            | n.a.   | n.a.               | n.a.   | n.a.               | n.a.   | n.a.               |
| EE            | n.a.**   | 0.000%             | (*)n.a   | 0.000%             | (*)n.a   | 0.000%             |
| IE            | 0.051%   | 0.100%             | 0.090%   | 0.152%             | 0.122%   | 0.195%             |
| GR            | 0.000%   | 0.000%             | 0.000%   | 0.000%             | 0.000%   | 0.000%             |
| ES            | 0.003%   | 0.047%             | 0.017%   | 0.066%             | 0.041%   | 0.098%             |
| FR            | 0.123%   | 0.169%             | 0.132%   | 0.181%             | 0.136%   | 0.187%             |
| IT            | n.a.   | n.a.               | n.a.   | n.a.               | n.a.   | n.a.               |
| CY            | 0.096%   | 0.142%             | 0.104%   | 0.153%             | 0.115%   | 0.168%             |
| LV            | 0.000%   | 0.000%             | 0.000%   | 0.000%             | 0.000%   | 0.000%             |
| LT            | n.a.**   | n.a.**             | n.a.**   | n.a.**             | n.a.**   | n.a.**             |
| LU            | n.a.   | n.a.               | n.a.   | n.a.               | n.a.   | n.a.               |
| HU            | 0.046%   | 0.083%             | 0.082%   | 0.131%             | 0.091%   | 0.142%             |
| MT            | 0.126%   | 0.175%             | 0.172%   | 0.237%             | 0.192%   | 0.263%             |
| NL            | n.a.   | n.a.               | n.a.   | n.a.               | n.a.   | n.a.               |
| AT            | n.a.   | n.a.               | n.a.   | n.a.               | n.a.   | n.a.               |
| PL            | 0.004%   | 0.051%             | 0.039%   | 0.097%             | 0.052%   | 0.114%             |
| PT            | 0.000%   | 0.044%             | 0.013%   | 0.062%             | 0.020%   | 0.071%             |
| RO            | 0.000%   | 0.022%             | 0.031%   | 0.100%             | 0.044%   | 0.116%             |
| SI            | n.a.   | n.a.               | n.a.   | n.a.               | n.a.   | n.a.               |
| SK            | 0.000%   | 0.002%             | 0.026%   | 0.099%             | 0.044%   | 0.123%             |
| FI            | 0.029%   | 0.072%             | 0.042%   | 0.090%             | 0.046%   | 0.095%             |
| SE            | 0.007%   | 0.040%             | 0.049%   | 0.097%             | 0.057%   | 0.108%             |
| UK            | n.a.   | n.a.               | n.a.   | n.a.               | n.a.   | n.a.               |
| <b>EU</b>     | <b>0.058%</b>  | <b>0.081%</b>      | <b>0.067%</b>  | <b>0.122%</b>      | <b>0.080%</b>  | <b>0.140%</b>      |
| <b>EU-15</b>  | <b>0.051%</b>  | <b>0.088%</b>      | <b>0.065%</b>  | <b>0.116%</b>      | <b>0.080%</b>  | <b>0.136%</b>      |
| <b>EU-12</b>  | <b>0.068%</b>  | <b>0.074%</b>      | <b>0.086%</b>  | <b>0.143%</b>      | <b>0.080%</b>  | <b>0.143%</b>      |

Note: It is assumed that ex-ante and ex-post contributions are 75% and 25% of the DGS funds respectively. Impact on consumers have been performed only for ex-ante DGS. DE has been excluded because 2008 contributions were not available, DK has been excluded because it did not collect contributions in 2008.

\* Normal times: only ex-ante contributions are collected; Crisis situation: both ex-ante and ex-post contributions are collected (up to max limits).

\*\* It means that 2007 funds cover completely the ex-ante component and thus additional contributions do not have to be called to reach the target level..

**(b) Potential increase of bank fees on current account (€)**

| Member States | Harmonised scenario A<br>(Target level 1.96% - Exclude all - 10 years) |                    | Harmonised scenario B<br>(Target level 1.96% - Include SME and large enterprises - 10 years) |                    | Harmonised scenario C<br>(Target level 1.96% - Include all - 10 years) |                    |
|---------------|--|--------------------|--|--------------------|--|--------------------|
|               | Normal times *   | Crisis situation * | Normal times *   | Crisis situation * | Normal times *   | Crisis situation * |
| BE            | 9.55   | 14.60              | 11.50  | 17.20              | 13.87  | 20.37              |
| BG            | n.a.**   | n.a.**             | n.a.**   | 0.00               | n.a.**   | 0.00               |
| CZ            | 0.00   | 1.95               | 1.08   | 3.47               | 1.28   | 3.73               |
| DK            | n.a.   | n.a.               | n.a.   | n.a.               | n.a.   | n.a.               |
| DE            | n.a.   | n.a.               | n.a.   | n.a.               | n.a.   | n.a.               |
| EE            | n.a.**   | 0.00               | n.a.**   | 0.00               | n.a.**   | 0.00               |
| IE            | 11.14  | 21.92              | 19.75  | 33.40              | 26.80  | 42.80              |
| GR            | 0.00   | 0.00               | 0.00   | 0.00               | 0.00   | 0.00               |
| ES            | 0.28   | 4.43               | 1.56   | 6.13               | 3.81   | 9.14               |
| FR            | 15.98  | 21.94              | 17.21  | 23.57              | 17.72  | 24.26              |
| IT            | n.a.   | n.a.               | n.a.   | n.a.               | n.a.   | n.a.               |
| CY            | 19.03  | 28.23              | 20.63  | 30.36              | 22.83  | 33.30              |
| LV            | 0.00   | 0.00               | 0.00   | 0.00               | 0.00   | 0.00               |
| LT            | n.a.**   | n.a.**             | n.a.**   | n.a.**             | n.a.**   | n.a.**             |
| LU            | n.a.   | n.a.               | n.a.   | n.a.               | n.a.   | n.a.               |
| HU            | 1.20   | 2.16               | 2.14   | 3.41               | 2.35   | 3.70               |
| MT            | 9.72   | 13.49              | 13.26  | 18.21              | 14.77  | 20.22              |
| NL            | n.a.   | n.a.               | n.a.   | n.a.               | n.a.   | n.a.               |
| AT            | n.a.   | n.a.               | n.a.   | n.a.               | n.a.   | n.a.               |
| PL            | 0.05   | 0.56               | 0.43   | 1.08               | 0.58   | 1.27               |
| PT            | 0.00   | 2.66               | 0.80   | 3.79               | 1.20   | 4.33               |
| RO            | 0.00   | 0.13               | 0.18   | 0.58               | 0.25   | 0.68               |
| SI            | n.a.   | n.a.               | n.a.   | n.a.               | n.a.   | n.a.               |
| SK            | 0.00   | 0.04               | 0.59   | 2.27               | 1.00   | 2.82               |
| FI            | 2.41   | 6.01               | 3.51   | 7.46               | 3.87   | 7.94               |
| SE            | 0.89   | 5.29               | 6.54   | 12.84              | 7.63   | 14.28              |
| UK            | n.a.   | n.a.               | n.a.   | n.a.               | n.a.   | n.a.               |
| <b>EU</b>     | <b>7.02</b>  | <b>8.82</b>        | <b>7.08</b>  | <b>11.70</b>       | <b>8.43</b>  | <b>13.49</b>       |
| <b>EU-15</b>  | <b>6.71</b>  | <b>10.98</b>       | <b>8.69</b>  | <b>14.91</b>       | <b>10.70</b>   | <b>17.59</b>       |
| <b>Eu-12</b>  | <b>7.50</b>  | <b>6.65</b>        | <b>7.33</b>  | <b>10.73</b>       | <b>6.15</b>  | <b>9.39</b>        |

Note: It is assumed that ex-ante and ex-post contributions are 75% and 25% of the DGS funds respectively. Impact on consumers have been performed only for ex-ante DGS. DE has been excluded because 2008 contributions were not available, DK has been excluded because it did not collect contributions in 2008.

\* Normal times: only ex-ante contributions are collected; Crisis situation: both ex-ante and ex-post contributions are collected (up to max limits).

\*\* It means that 2007 funds cover completely the ex-ante component.

Source: Joint Research Centre.

**ANNEX 21: POTENTIAL CUMULATIVE IMPACT ON BANKS AND DEPOSITORS DURING THE FIRST 5 YEARS: HARMONIZED SCENARIO ON PAYOUT, FUNDING AND SCOPE/LEVEL OF COVERAGE \***

**(a) Potential impact on operating profits of banks**

| Member States | Variation in operating profits |                     |
|---------------|--------------------------------|---------------------|
|               | Normal times **                | Crisis situation ** |
| BE            | -22.00%                        | -30.79%             |
| BG            | 13.10%                         | 12.00%              |
| CZ            | -3.71%                         | -7.60%              |
| DK            | -7.38%                         | -10.16%             |
| DE            | n.a.                           | n.a.                |
| EE            | 22.39%                         | 17.65%              |
| IE            | -19.53%                        | -29.16%             |
| GR            | 14.78%                         | 11.98%              |
| ES            | -2.93%                         | -6.31%              |
| FR            | -12.00%                        | -15.67%             |
| IT            | -10.24%                        | -13.25%             |
| CY            | -8.84%                         | -12.20%             |
| LV            | 5.70%                          | 3.54%               |
| LT            | n.a.                           | n.a.                |
| LU            | n.a.                           | n.a.                |
| HU            | -3.56%                         | -5.53%              |
| MT            | -5.82%                         | -7.92%              |
| NL            | n.a.                           | n.a.                |
| AT            | -17.74%                        | -23.16%             |
| PL            | n.a.                           | n.a.                |
| PT            | -2.35%                         | -5.14%              |
| RO            | -3.04%                         | -7.46%              |
| SI            | -9.35%                         | -12.11%             |
| SK            | -1.62%                         | -5.14%              |
| FI            | n.a.                           | n.a.                |
| SE            | -2.95%                         | -5.45%              |
| UK            | n.a.                           | n.a.                |
| <b>EU</b>     | <b>-3.86%</b>                  | <b>-7.59%</b>       |
| <b>EU-15</b>  | <b>-8.24%</b>                  | <b>-12.71%</b>      |
| <b>EU-12</b>  | <b>0.52%</b>                   | <b>-2.48%</b>       |

PL, NL, UK have been excluded because their contribution base is different than total, eligible or covered; DE has been excluded because 2008 contributions are not available; LT and FI have been excluded because the sample available from Bankscope was small; LU has been excluded because data available from Bankscope are not consistent with the data collected through the JRC survey.

\* This harmonised scenario presents the cumulative impact on banks and depositors stemming from two separate scenarios:

(1) speeding up the payout process – which involves one-off administrative costs for banks related to tagging eligible deposits, data cleansing and creating single customer views – to be faced within 5 years (see Annex 12d-f);

(2) harmonising DGS funding and scope/level of coverage (harmonised scenario B) – which assumes the target level for total funds of 1.96% of eligible deposits; proportions of total funds: 75% ex-ante / 25% ex-post; coverage: including all non-financial enterprises, excluding financial sector enterprises and all levels' authorities; time horizon: to be achieved within 10 years (see Annexes 18-20).

Given different time horizons of the above scenarios, the cumulative impact presented in this annex is relating to the first 5 years. As to the remaining 5 years, the impact on banks and depositors is the same as presented in Annexes 19 and 20.

\*\* Normal times: only ex-ante contributions are collected; Crisis situation: both ex-ante and ex-post contributions are collected (up to max limits).

**(b) Potential impact on consumers: decrease of interest rates on savings and increase of bank fees on current account**

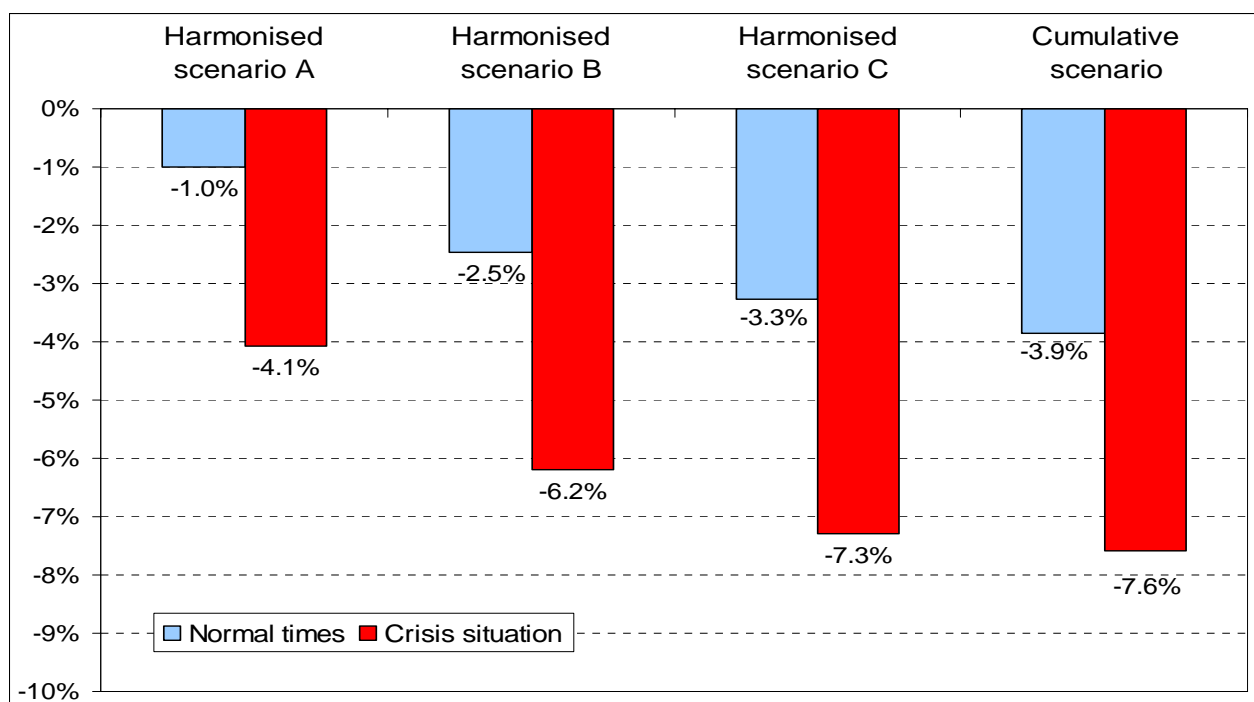
| Member States | Decrease of interest rates on savings |                    | Increase of bank fees on current account (€) |                    |
|---------------|---------------------------------------|--------------------|--|--------------------|
|               | Normal times *                        | Crisis situation * | Normal times *                               | Crisis situation * |
| BE            | 0.126%                                | 0.182%             | 13.03  | 18.73              |
| BG            | 0.019%                                | 0.019%             | 0.30   | 0.30               |
| CZ            | 0.050%                                | 0.099%             | 2.45   | 4.84               |
| DK            | n.a.                                  | n.a.               | n.a.   | n.a.               |
| DE            | n.a.                                  | n.a.               | n.a.   | n.a.               |
| EE            | 0.026%                                | 0.026%             | 0.82   | 0.82               |
| IE            | 0.104%                                | 0.166%             | 22.90  | 36.55              |
| GR            | 0.024%                                | 0.024%             | 1.61   | 1.61               |
| ES            | 0.036%                                | 0.085%             | 3.37   | 7.94               |
| FR            | 0.147%                                | 0.196%             | 19.07  | 25.44              |
| IT            | n.a.                                  | n.a.               | n.a.   | n.a.               |
| CY            | 0.127%                                | 0.176%             | 25.13  | 34.86              |
| LV            | 0.020%                                | 0.020%             | 1.02   | 1.02               |
| LT            | 0.022%                                | 0.022%             | 0.30   | 0.30               |
| LU            | n.a.                                  | n.a.               | n.a.   | n.a.               |
| HU            | 0.110%                                | 0.159%             | 2.85   | 4.13               |
| MT            | 0.198%                                | 0.262%             | 15.23  | 20.19              |
| NL            | n.a.                                  | n.a.               | n.a.   | n.a.               |
| AT            | n.a.                                  | n.a.               | n.a.   | n.a.               |
| PL            | 0.061%                                | 0.119%             | 0.68   | 1.32               |
| PT            | 0.035%                                | 0.084%             | 2.13   | 5.12               |
| RO            | 0.056%                                | 0.125%             | 0.33   | 0.73               |
| SI            | n.a.                                  | n.a.               | n.a.   | n.a.               |
| SK            | 0.051%                                | 0.124%             | 1.17   | 2.85               |
| FI            | 0.056%                                | 0.103%             | 4.63   | 8.59               |
| SE            | 0.063%                                | 0.111%             | 8.43   | 14.72              |
| UK            | n.a.                                  | n.a.               | n.a.   | n.a.               |
| <b>EU</b>     | <b>0.070%</b>                         | <b>0.111%</b>      | <b>6.60</b>                                  | <b>10.00</b>       |
| <b>EU-15</b>  | <b>0.074%</b>                         | <b>0.119%</b>      | <b>9.40</b>                                  | <b>14.84</b>       |
| <b>EU-12</b>  | <b>0.067%</b>                         | <b>0.105%</b>      | <b>4.57</b>                                  | <b>6.49</b>        |

\* Normal times: only ex-ante contributions are collected; Crisis situation: both ex-ante and ex-post contributions are collected (up to max limits).

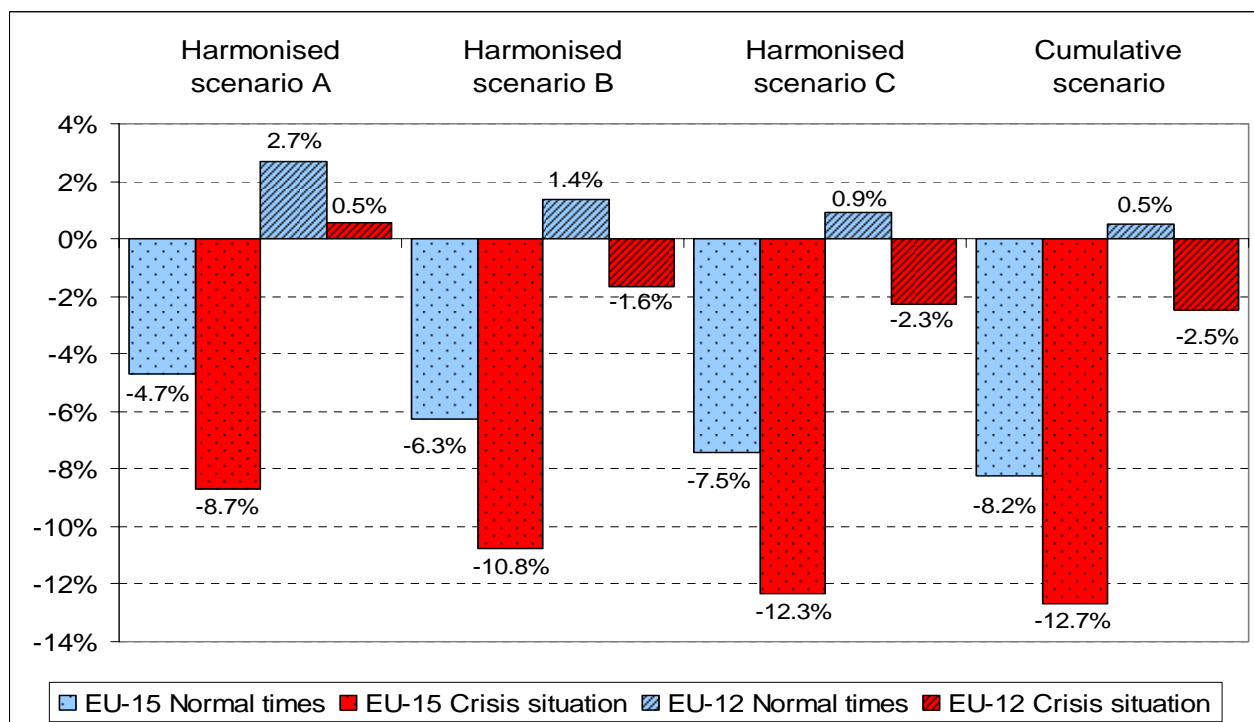
Source: Joint Research Centre.

**ANNEX 22: POTENTIAL CUMULATIVE IMPACT OF VARIOUS HARMONISED SCENARIOS ON BANKS**

**(a) Decrease in bank operating profits at EU level**



**(b) Variation in bank operating profits in EU-15 and EU-12**



Note: Harmonised scenarios A, B and C are presented in Annexes 18-20. Cumulative scenario is presented in Annex 21.

Source: Joint Research Centre.

**ANNEX 23: RESULTS FOR THE HARMONIZED SCENARIO ON BORROWING BY DGS**

|                   | Borrowing limit<br>(€ thousands) | Annual contributions<br>to refund the loan<br>(€ thousands) | Percentage change<br>in 2008 contributions | Number of 2008<br>contributions to be<br>collected annually to<br>repay the loan within<br>the time limit<br>(10 years) |
|-------------------|----------------------------------|---|--|---|
| BE                | 1 822 151                        | 182 215   | 258 %                                      | 5   |
| BG                | 147 167                          | 14 716  | -79 %                                      | 1   |
| CZ                | 629 770                          | 62 977  | -2 %                                       | 1   |
| DK                | 1 200 416                        | 120 041   | n.a.                                       | n.a.  |
| DE                | 34 148 269                       | 3 414 827   | n.a.                                       | n.a.  |
| EE                | 45 710                           | 4 571   | -72 %                                      | 1   |
| IE                | 1 583 318                        | 158 332   | 10%  | 3   |
| GR                | 792 882                          | 79 288  | -87 %                                      | 1   |
| ES                | 6 296 612                        | 629 661   | 53 %                                       | 3   |
| FR *              | 21 626 112                       | 2 162 611   | 2 167 %                                    | 23  |
| IT                | 7 035 634                        | 703 563   | n.a.                                       | n.a.  |
| CY                | 357 510                          | 35 751  | 45 %                                       | 3   |
| LV                | 51 924                           | 5 192   | -79 %                                      | 1   |
| LT                | confidential                     | confidential  | -78 %                                      | 1   |
| LU                | 226 511                          | 22 651  | n.a.                                       | n.a.  |
| HU                | 407 992                          | 40 799  | 947 %                                      | 11  |
| MT                | 41 169                           | 4 117   | 478 %                                      | 7   |
| NL                | 6 012 768                        | 601 277   | n.a.                                       | n.a.  |
| AT                | 2 184 912                        | 218 491   | n.a.                                       | n.a.  |
| PL                | confidential                     | confidential  | 79 %                                       | 3   |
| PT                | confidential                     | confidential  | 143 %                                      | 3   |
| RO                | 254 395                          | 25 440  | 2 %  | 3   |
| SI                | 154 240                          | 15 424  | n.a.                                       | n.a.  |
| SK                | 148 598                          | 14 860  | -60 %                                      | 1   |
| FI                | 717 191                          | 71 719  | 81 %                                       | 3   |
| SE                | 1 070 504                        | 107 050   | 82 %                                       | 3   |
| UK                | 9 912 508                        | 991 251   | n.a.                                       | n.a.  |
| <b>Total EU</b>   | <b>99 007 669</b>                | <b>9 900 767</b>  | <b>-</b>                                   | <b>-</b>  |
| <b>EU average</b> | <b>-</b>                         | <b>-</b>  | <b>205 %</b>                               | <b>4</b>  |

\* FR figures are very high; this is due to the fact that FR covered deposits are considerably higher than all the other MS' covered deposits.

Source: Joint Research Centre.

**ANNEX 24: ESTIMATED ADMINISTRATIVE COSTS IF THE DE-MINIMIS RULE IS APPLIED**

|                           |   | Percentage of deposits potentially affected by the 'de-minimis' rule |        |        |        |
|---------------------------|---|--|--------|--------|--------|
|                           |   | 1%   | 3%     | 5%     | 7%     |
| 50 000 deposits involved  | Amount saved if the 'de minimis' is applied (€ thousands)             | 64   | 193    | 321    | 449    |
|                           | New administrative costs if the 'de minimis' is applied (€ thousands) | 6 355  | 6 227  | 6 098  | 5 970  |
| 100 000 deposits involved | Amount saved if the 'de minimis' is applied (€ thousands)             | 128  | 385    | 642    | 899    |
|                           | New administrative costs if the 'de minimis' is applied (€ thousands) | 12 710   | 12 453 | 12 196 | 11 940 |
| 250 000 deposits involved | Amount saved if the 'de minimis' is applied (€ thousands)             | 321  | 963    | 1 605  | 2 247  |
|                           | New administrative costs if the 'de minimis' is applied (€ thousands) | 31 775   | 11 875 | 11 234 | 10 592 |
| 500 000 deposits involved | Amount saved if the 'de minimis' is applied (€ thousands)             | 642  | 1 926  | 3 210  | 4 493  |
|                           | New administrative costs if the 'de minimis' is applied (€ thousands) | 63 550   | 62 266 | 60 982 | 59 698 |

Source: Joint Research Centre.



## **ANNEX 25: POTENTIAL MODELS FOR CALCULATING RISK-BASED CONTRIBUTIONS**

### **(a) Single Indicator Model (SIM) – the most common risk-based approach**

$$C_i = \alpha\beta_i x_i$$

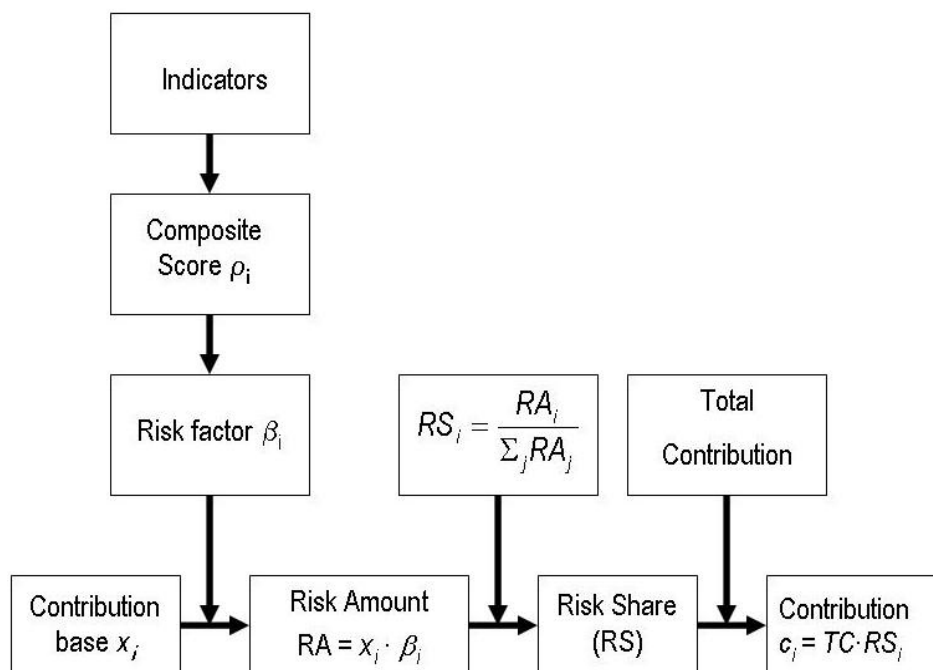
$C_i$  – contribution of the  $i$ -th member bank

$\alpha$  – common percentage for all member banks, reflecting the overall conditions in the banking system in a given country

$\beta_i$  – individual percentage proportional to the risk attitude of the  $i$ -th member bank

$x_i$  – contribution base (usually the total amount of eligible or covered deposits)

### **(b) Multiple Indicators Model (MIM) – the calculation procedure**



The Composite Score (the variable  $\rho_i$ ) is defined as the average of four scores, each covering a different aspect of DGS member banks' behaviour:

$$\rho_i = \frac{1}{4} \left[ \rho_i^{(1)} + \rho_i^{(2)} + \rho_i^{(3)} + \rho_i^{(4)} \right]$$

Each  $\rho_i(j)$  (with  $j = 1, 2, 3, 4$ ) is a score built to indicate the risk of the DGS members: the higher the score, the higher the risk. More specifically,  $\rho_i(1)$  is a capital adequacy score,  $\rho_i(2)$  is an asset quality score,  $\rho_i(3)$  is a profitability score, and  $\rho_i(4)$  is a liquidity score. For all classes, scores range from a minimum score of 1 describing a 'very low risk' situation, to a maximum score of 5 to indicate a 'very high risk' situation (see the below table). Both the scores and the risk categories are examples only and may be changed if necessary. Moreover, scores within the same risk category but for different classes may differ.

|                | Capital adequacy | Asset quality | Profitability | Liquidity |
|----------------|------------------|---------------|---------------|-----------|
| Very low risk  | 1                | 1             | 1             | 1         |
| Low risk       | 2                | 2             | 2             | 2         |
| Medium risk    | 3                | 3             | 3             | 3         |
| High risk      | 4                | 4             | 4             | 4         |
| Very high risk | 5                | 5             | 5             | 5         |

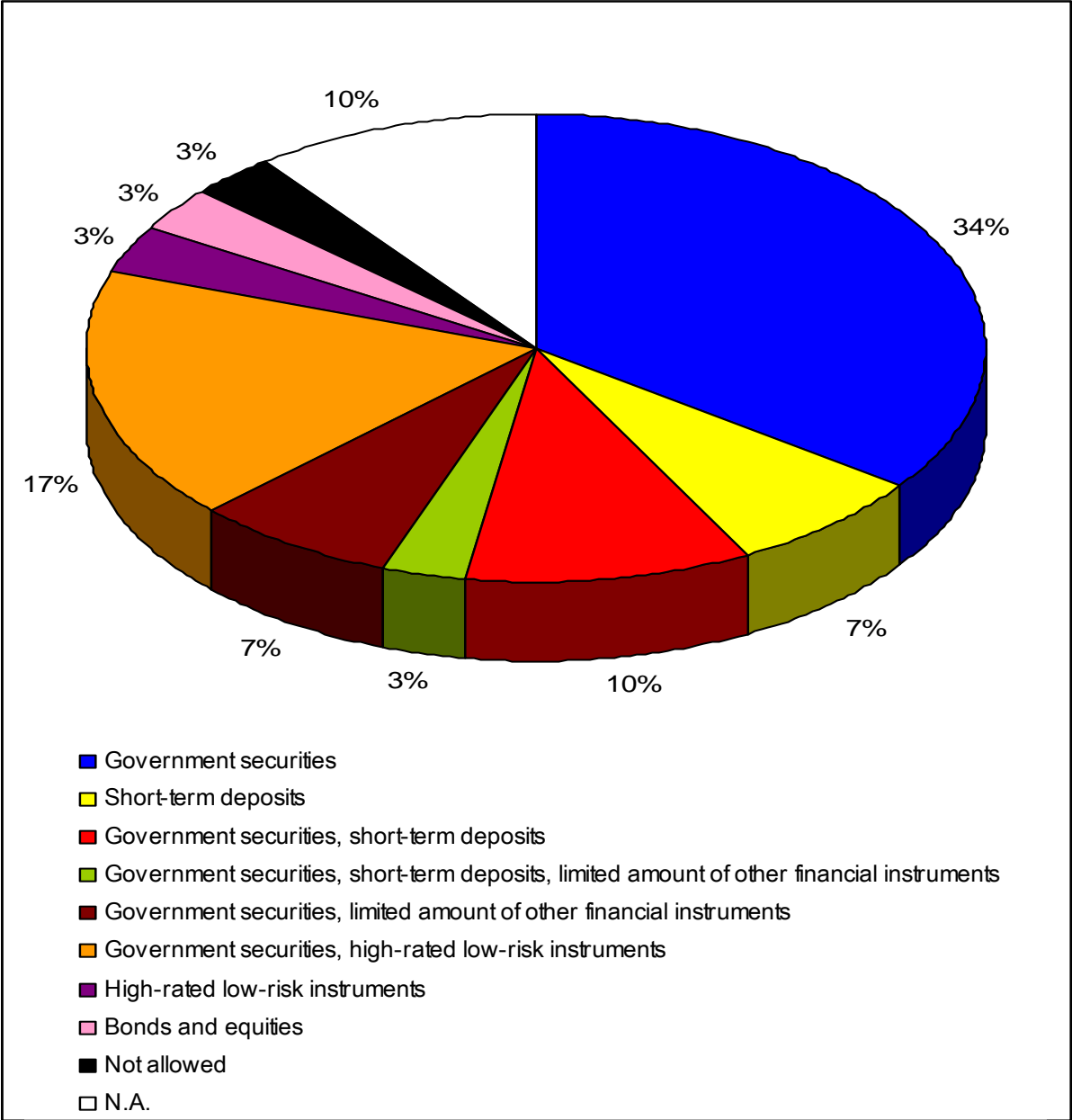
**(c) Risk indicators to be applied in the proposed models (SIM and MIM)**

| Class            | Name of indicator               | Formula  |
|------------------|---------------------------------|--|
| Capital adequacy | Tier 1 capital ratio            | $\frac{\text{Tier I Capital}}{\text{Risk weighted assets}}$          |
|                  | Total capital ratio             | $\frac{\text{Total Capital}}{\text{Risk weighted assets}}$           |
| Asset quality    | Non-performing loan (NPL) ratio | $\frac{\text{Non Performing Loans}}{\text{Gross Loans}}$             |
|                  | Loan loss provision             | $\frac{\text{Loan Loss Provision}}{\text{Net Interest Revenue}}$     |
| Profitability    | Cost to income ratio            | $\frac{\text{Operating Expenses}}{\text{Operating income}}$          |
|                  | Return on average assets (ROA)  | $\frac{\text{Net Income}}{\text{Average Total Assets}}$              |
| Liquidity        | Liquid assets to deposits ratio | $\frac{\text{Liquid Assets}}{\text{Customer \& Short Term Funding}}$ |
|                  | Loan to deposit ratio           | $\frac{\text{Net Loans}}{\text{Customer \& Short Term Funding}}$     |

Source: Joint Research Centre (Report on risk-based contributions, 2009).

**ANNEX 26: FUNDS INVESTED BY EX-ANTE DGS**

Among ex-ante schemes, in most cases (nearly 90% of the ex-ante DGS) funds are directly managed by the DGS. Only in very few cases funds are given by ring-fenced reserves or partially earmarked by members. Regarding the way ex-ante DGS manage their resources, in all but one case funds are invested, as detailed in the below Figure. For the great majority, funds are invested in national and/or EU bonds or similar government securities and there are significant cases where schemes resort to short-term deposits. Whenever more risky instruments are allowed, strict limitations are set in the statutes/by-laws in order to limit the risk in the DGS portfolio, for example a minimum rating for the instrument is required.



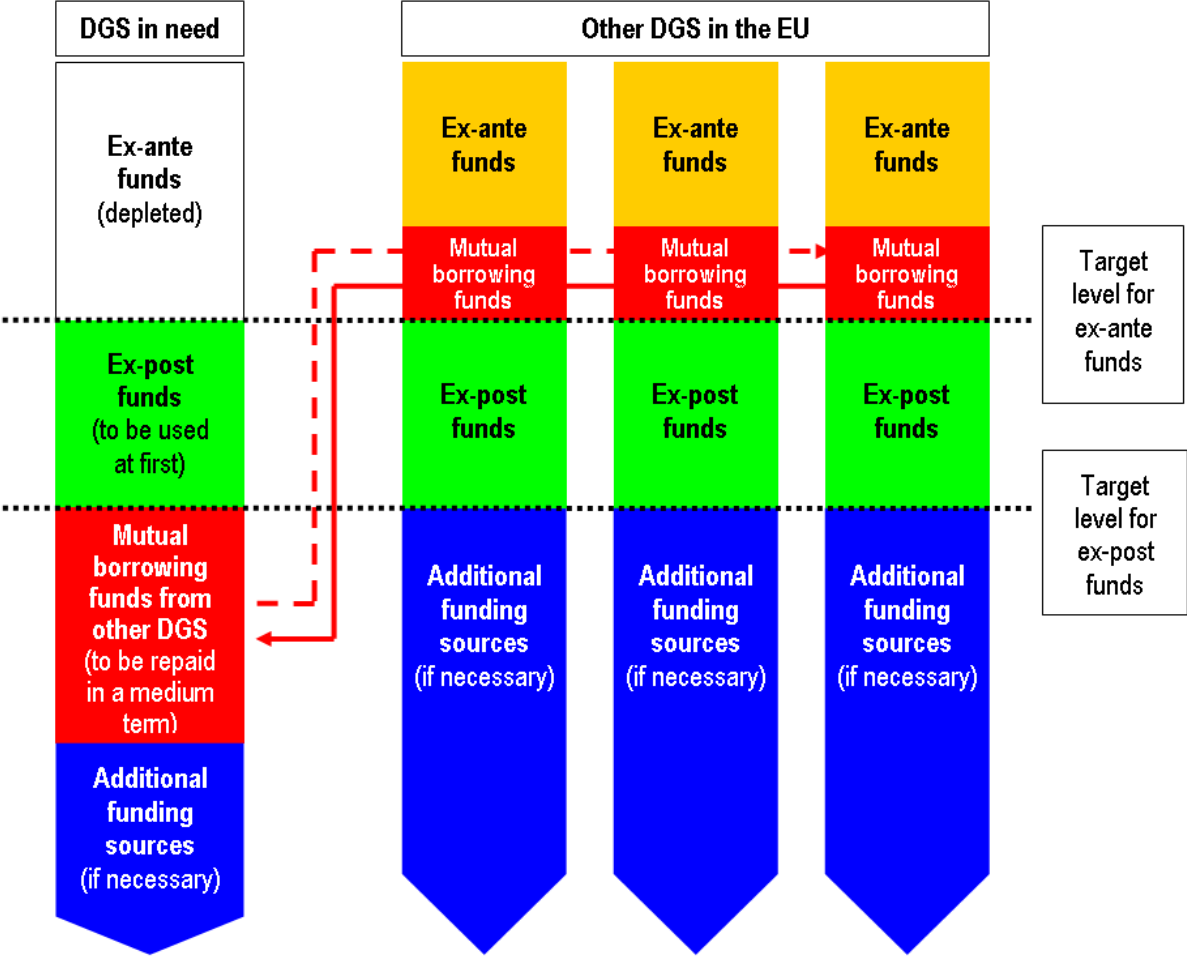
Source: Joint Research Centre (Report on DGS efficiency, 2008).

## ANNEX 27: PERMANENT, TEMPORARY AND ADDITIONAL WORKFORCE OF DGS

|                       | Permanent workforce | Temporary staff | Additional workforce   |
|-----------------------|---------------------|-----------------|--|
| BE                    | 5                   | 0               | From central bank, the amount will depend on size of the failure   |
| BG                    | 24                  | n.a.            | NO   |
| CZ                    | 4                   | 1               | NO   |
| DK                    | 1.5                 | 0               | From the central bank. At the last case in 1999 3 persons.   |
| DE                    | 77                  | 3               | DE1: From labour market and their commercial unit. DE2: from the German Auditing Association (PV) and from the Banking Association itself. DE3: in a first step use the other workforce of the BVR (app. 120) and then ask in a second step the Regional Cooperative Auditing Association with their workforce of in total app. 2,000 over all. DE4: Ordering lawyers, accountants and additional staff within the association |
| EE                    | 3                   | 0               | In case of need the Fund can outsource administrative and other services to reinforce of its staff and activities in the event of paying compensations.  |
| IE                    | 0                   | 0               | The DGS is inside the Central Bank (CB). In case of necessity the DGS would source from staff in Financial Regulator, CB and from external firm.   |
| GR                    | 10                  | 0               | NO   |
| ES                    | 16                  | 0               | YES  |
| FR                    | 4                   | 0               | YES, no limit  |
| IT                    | 22                  | 0               | IT1: NO. IT2: around 20 employees from the Local Federations, which are territorial links to the Fund. Their DGS endorsed an agreement with each Local Federation  |
| CY                    | 0                   | 0.5             | CY1: from CB   |
| LV                    | 2                   | 0               | From the Financial and Capital Market Commission   |
| LT                    | 10                  | n.a.            | NO   |
| LU                    | 2                   | n.a.            | Subcontracting agreement with an international Accounting firm   |
| HU                    | 7                   | 2               | Financial Supervisor - communication and PR (2); Private sector firms - IT (4+) and operational services (2+)  |
| MT                    | 0                   | 0               | YES, if necessary.   |
| NL                    | 0                   | 0               | The DGS is inside the CB. Concerning additional resources, numbers are case-specific   |
| AT                    | 10                  | 6               | AT1-2: staff can be rented from member banks. AT3: They have access to additional workforce at any time and without restraint when needed. . AT4: all the necessary staff may be rented from member banks or ÖGV. AT5: additional workforce can be required to the bank in question as well as from their data centre.   |
| PL                    | 65                  | 0               | NO   |
| PT                    | 9                   | 0               | PT1: depending on the size of the credit institution, the management committee can get workforce from financial supervisor (CB).. PT2: NO  |
| RO                    | 30                  | 0               | YES, if necessary. They do not foresee a high demand of additional workforce because all the information needed is provided by the liquidator of the defaulting institution.   |
| SI                    | 0                   | 0               | The number is not defined. It is expected to get the staff from Banking Supervision Department or other departments of the Bank of Slovenia  |
| SK                    | 5                   | 0               | NO   |
| FI                    | 1.5                 | 0               | They employ the staff of the Federation of the Finnish Financial Services, the staff of the Finnish Financial Ombudsman Bureau and lawyers and assistants from a law firm. In an event of compensation to depositors, they would partly rely on the staff of the insolvent bank.)  |
| SE                    | 3                   | 0               | 10 employees from other departments within SNDO and if necessary form external consultant  |
| UK                    | 168                 | 0               | YES, external companies  |
| <b>EU average: 18</b> |                     |                 |  |

Source: Joint Research Centre.

**ANNEX 28: POTENTIAL STRUCTURE OF A PAN-EU DGS**



Source: Commission services.

**ANNEX 29: MUTUAL BORROWING OF DGS – MAXIMUM AMOUNT TO BE LENT BY DGS TO FACE POTENTIAL FAILURES**

| Member States | UK failure                             |                             | ES failure                             |                             | PL failure                             |                             |
|---------------|--|-----------------------------|--|-----------------------------|--|-----------------------------|
|               | Amount to be lent per MS (€ thousands) | As a % of eligible deposits | Amount to be lent per MS (€ thousands) | As a % of eligible deposits | Amount to be lent per MS (€ thousands) | As a % of eligible deposits |
| BE            | 192 727                                | 0.08%                       | 108 678                                | 0.05%                       | 11 649                                 | 0.005%                      |
| BG            | 10 367                                 | 0.08%                       | 5 846                                  | 0.05%                       | 627                                    | 0.005%                      |
| CZ            | 52 400                                 | 0.08%                       | 29 548                                 | 0.05%                       | 3 167                                  | 0.005%                      |
| DK            | 140 882                                | 0.08%                       | 79 442                                 | 0.05%                       | 8 515                                  | 0.005%                      |
| DE            | 1 948 293                              | 0.08%                       | 1 098 632                              | 0.05%                       | 117 761                                | 0.005%                      |
| EE            | 5 364                                  | 0.08%                       | 3 025                                  | 0.05%                       | 324                                    | 0.005%                      |
| IE            | 167 466                                | 0.08%                       | 94 433                                 | 0.05%                       | 10 122                                 | 0.005%                      |
| GR            | 122 278                                | 0.08%                       | 68 952                                 | 0.05%                       | 7 391                                  | 0.005%                      |
| ES            | 609 240                                | 0.08%                       | -                                      |                             | 36 824                                 | 0.005%                      |
| FR            | 1 360 661                              | 0.08%                       | 767 269                                | 0.05%                       | 82 243                                 | 0.005%                      |
| IT            | 385 625                                | 0.08%                       | 217 452                                | 0.05%                       | 23 308                                 | 0.005%                      |
| CY            | 46 019                                 | 0.08%                       | 25 950                                 | 0.05%                       | 2 782                                  | 0.005%                      |
| LV            | 8 541                                  | 0.08%                       | 4 816                                  | 0.05%                       | 516                                    | 0.005%                      |
| LT            | 7 869                                  | 0.08%                       | 4 437                                  | 0.05%                       | 476                                    | 0.005%                      |
| LU            | 85 631                                 | 0.08%                       | 48 287                                 | 0.05%                       | 5 176                                  | 0.005%                      |
| HU            | 27 630                                 | 0.08%                       | 15 580                                 | 0.05%                       | 1 670                                  | 0.005%                      |
| MT            | 5 542                                  | 0.08%                       | 3 125                                  | 0.05%                       | 335                                    | 0.005%                      |
| NL            | 367 001                                | 0.08%                       | 206 950                                | 0.05%                       | 22 183                                 | 0.005%                      |
| AT            | 174 121                                | 0.08%                       | 98 186                                 | 0.05%                       | 10 524                                 | 0.005%                      |
| PL            | 70 666                                 | 0.08%                       | 39 848                                 | 0.05%                       | -                                      |                             |
| PT            | 103 420                                | 0.08%                       | 58 318                                 | 0.05%                       | 6 251                                  | 0.005%                      |
| RO            | 22 186                                 | 0.08%                       | 12 511                                 | 0.05%                       | 1 341                                  | 0.005%                      |
| SI            | 12 709                                 | 0.08%                       | 7 166                                  | 0.05%                       | 768                                    | 0.005%                      |
| SK            | 14 850                                 | 0.08%                       | 8 374                                  | 0.05%                       | 898                                    | 0.005%                      |
| FI            | 68 287                                 | 0.08%                       | 38 506                                 | 0.05%                       | 4 127                                  | 0.005%                      |
| SE            | 144 639                                | 0.08%                       | 81 561                                 | 0.05%                       | 8 742                                  | 0.005%                      |
| UK            | -                                      | -                           | 571 664                                | 0.05%                       | 61 276                                 | 0.005%                      |
| <b>Total</b>  | <b>6 154 412</b>                       |                             | <b>3 698 556</b>                       |                             | <b>428 997</b>                         |                             |

Note: In order to ensure comprehensibility, a failure in one of three Member States (ES, UK, PL) has been chosen as possible scenario.

Source: Joint Research Centre.

### **ANNEX 30: HISTORICAL DGS INTERVENTIONS**

In the period preceding the financial crisis (from 1994 to 2006) EU DGS handled a number of payouts of depositors or other types of interventions, such as interventions to prevent a bank failure. In that period a total of 67 interventions occurred, of which 37 were in the EU-15 and 30 in the EU-12. Among the EU-15 MS, 22 cases took place in the UK. However, these mainly concerned small credit unions. A broad peak in the number of annual interventions took place in 2003, with a total of 13 payouts.

The range of costs for payouts of depositors was quite broad, ranging from a minimum of around €6000 (payout in RO in 2003) to a maximum of €470 million (payout in CZ in 2003). The average cost of historical payouts to depositors in the whole EU was around €7 million, with higher values in the EU-12 (on average €75 million) than in the EU-15 (€24 million when excluding UK). For other types of interventions the range of costs was again quite broad, varying from €100 000 (support intervention in IT in 2004) to a huge restructuring intervention occurring in ES in 1994, whose costs reached €1.6 billion. On average, the costs of an intervention not classified as payout were around €90 million.

If we express the figures on payouts as a percentage of eligible deposits, the minimum and maximum costs of those interventions are respectively 0.00005% (payout in RO in 2003) and 3.24% (payout in CZ in 2001) of the total amount of eligible deposits of the corresponding systems, with an average percentage of 0.27% of eligible deposits. These figures can be compared with more recent data on failures occurred in 2008: the minimum and maximum costs are respectively 0.05% and 1.96% of 2007 eligible deposits, with an average figure of 0.6%.

If we compare these amounts with the MS coverage ratios (i.e. the ratio between the size of the DGS fund and the amount of deposits eligible for protection by the same DGS), the EU average 2007 coverage ratio is around 0.73% (obtained excluding Slovakia's negative coverage ratio and the nil coverage ratios of ex-post financed DGS) and it is in line with the 2005 one (about 0.70%).

Source: Joint Research Centre.