

# Bijlage 5 Projecties van broeikasgasemissies

Annex XIV - Table 1a: Greenhouse gas projections by gas and category<sup>(1)</sup>  
version 12 July 2021

Instructions (click the 'x' in the left)

Sector	Sub-sector	Emission category	2020		2021		2022		2023		2024		2025		2026		2027		2028		2029		2030	
			CO <sub>2</sub>	CH <sub>4</sub>	CO <sub>2</sub>	CH <sub>4</sub>	CO <sub>2</sub>	CH <sub>4</sub>	CO <sub>2</sub>	CH <sub>4</sub>	CO <sub>2</sub>	CH <sub>4</sub>	CO <sub>2</sub>	CH <sub>4</sub>	CO <sub>2</sub>	CH <sub>4</sub>	CO <sub>2</sub>	CH <sub>4</sub>	CO <sub>2</sub>	CH <sub>4</sub>	CO <sub>2</sub>	CH <sub>4</sub>	CO <sub>2</sub>	CH <sub>4</sub>
Energy	Electricity and heat	Energy	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Energy	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Manufacturing and construction	Manufacturing and construction	Manufacturing and construction	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Manufacturing and construction	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Transport	Transport	Transport	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Transport	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
International aviation and shipping	International aviation and shipping	International aviation and shipping	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		International aviation and shipping	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Land use, land-use change, and forestry	Land use, land-use change, and forestry	Land use, land-use change, and forestry	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Land use, land-use change, and forestry	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Buildings	Buildings	Buildings	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Buildings	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Fugitive emissions	Fugitive emissions	Fugitive emissions	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Fugitive emissions	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

Notes:  
(1) Emissions in GtCO<sub>2</sub>e for each year ending with 00 are rounded to the nearest GtCO<sub>2</sub>e.  
(2) Emissions with the highest uncertainty are shown in grey.  
(3) Emissions with the lowest uncertainty are shown in green.  
(4) Emissions with the highest uncertainty are shown in orange.  
(5) Emissions with the lowest uncertainty are shown in yellow.  
(6) Emissions with the highest uncertainty are shown in light blue.  
(7) Emissions with the lowest uncertainty are shown in light green.  
(8) Emissions with the highest uncertainty are shown in light orange.  
(9) Emissions with the lowest uncertainty are shown in light yellow.  
(10) Emissions with the highest uncertainty are shown in light light blue.  
(11) Emissions with the lowest uncertainty are shown in light light green.  
(12) Emissions with the highest uncertainty are shown in light light orange.  
(13) Emissions with the lowest uncertainty are shown in light light yellow.  
(14) Emissions with the highest uncertainty are shown in light light light blue.  
(15) Emissions with the lowest uncertainty are shown in light light light green.  
(16) Emissions with the highest uncertainty are shown in light light light orange.  
(17) Emissions with the lowest uncertainty are shown in light light light yellow.  
(18) Emissions with the highest uncertainty are shown in light light light light blue.  
(19) Emissions with the lowest uncertainty are shown in light light light light green.  
(20) Emissions with the highest uncertainty are shown in light light light light orange.



Annex XIV - Table 1a: Greenhouse gas projections by gas and categories<sup>(1)</sup>  
version 13 July 2021

Instructions (click the 'i' in the left)

Sector and sub-sector	Country code	Year	Greenhouse Gas Projections (2021-2030)																				
			CO <sub>2</sub> emissions										CH <sub>4</sub> emissions										
			2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	
<b>2021-2023: Historical data</b>																							
<b>2024-2030: Projections</b>																							
<b>CO<sub>2</sub> emissions (Mt CO<sub>2</sub> eq)</b>																							
<b>CO<sub>2</sub> emissions by category (Mt CO<sub>2</sub> eq)</b>																							
<b>CO<sub>2</sub> emissions by sub-category (Mt CO<sub>2</sub> eq)</b>																							
<b>CH<sub>4</sub> emissions (Mt CO<sub>2</sub> eq)</b>																							
<b>CH<sub>4</sub> emissions by category (Mt CO<sub>2</sub> eq)</b>																							
<b>CH<sub>4</sub> emissions by sub-category (Mt CO<sub>2</sub> eq)</b>																							
<b>Total emissions (Mt CO<sub>2</sub> eq)</b>																							

**Notes:**  
 (1) Includes 13 categories for each sector and sub-sector, with 13 categories for each gas.  
 (2) Historical data (2021-2023) are based on the Emissions Register (ER) data.  
 (3) Projections (2024-2030) are based on the National Energy and Climate Plan (NECP) 2021-2030.  
 (4) The data are presented in Mt CO<sub>2</sub> eq.  
 (5) The data are presented in Mt CO<sub>2</sub> eq.  
 (6) The data are presented in Mt CO<sub>2</sub> eq.  
 (7) The data are presented in Mt CO<sub>2</sub> eq.  
 (8) The data are presented in Mt CO<sub>2</sub> eq.  
 (9) The data are presented in Mt CO<sub>2</sub> eq.  
 (10) The data are presented in Mt CO<sub>2</sub> eq.  
 (11) The data are presented in Mt CO<sub>2</sub> eq.  
 (12) The data are presented in Mt CO<sub>2</sub> eq.  
 (13) The data are presented in Mt CO<sub>2</sub> eq.

Annex XIV - Table 1a: Greenhouse gas projections by gas and categories<sup>1)</sup>  
version 15 July 2021  
Instructions (click the "i" in the left)

Summary used for base year (2019) (if different from 2019)

Sector	Subsector	2019		2020		2021		2022		2023		2024		2025		2026		2027		2028		2029		2030	
		CO <sub>2</sub>	CH <sub>4</sub>	CO <sub>2</sub>	CH <sub>4</sub>	CO <sub>2</sub>	CH <sub>4</sub>	CO <sub>2</sub>	CH <sub>4</sub>	CO <sub>2</sub>	CH <sub>4</sub>	CO <sub>2</sub>	CH <sub>4</sub>	CO <sub>2</sub>	CH <sub>4</sub>	CO <sub>2</sub>	CH <sub>4</sub>	CO <sub>2</sub>	CH <sub>4</sub>	CO <sub>2</sub>	CH <sub>4</sub>	CO <sub>2</sub>	CH <sub>4</sub>	CO <sub>2</sub>	CH <sub>4</sub>
1. Industry and construction	1.1. Iron and steel																								
1.2. Non-ferrous metals																									
1.3. Chemicals and other non-metallic mineral products																									
1.4. Textiles, leather and other non-metallic mineral products																									
1.5. Food, drink and tobacco																									
1.6. Other non-metallic mineral products																									
2. Manufacturing industries and construction	2.1. Manufacturing industries and construction																								
3. Transport	3.1. Road																								
3.2. Rail																									
3.3. Air																									
3.4. Sea and inland waterways																									
3.5. International aviation and shipping																									
3.6. International aviation																									
3.7. International shipping																									
4. Buildings	4.1. Residential																								
4.2. Non-residential																									
5. Land use, land-use change and forestry (LULUCF)	5.1. Land use, land-use change and forestry (LULUCF)																								
5.2. Land use, land-use change and forestry (LULUCF)																									
6. International aviation and shipping	6.1. International aviation and shipping																								
6.2. International aviation																									
6.3. International shipping																									
7. Fugitive emissions	7.1. Fugitive emissions																								
7.2. Fugitive emissions																									
8. Land use, land-use change and forestry (LULUCF)	8.1. Land use, land-use change and forestry (LULUCF)																								
8.2. Land use, land-use change and forestry (LULUCF)																									
9. International aviation and shipping	9.1. International aviation and shipping																								
9.2. International aviation																									
9.3. International shipping																									
10. Fugitive emissions	10.1. Fugitive emissions																								
10.2. Fugitive emissions																									
11. Land use, land-use change and forestry (LULUCF)	11.1. Land use, land-use change and forestry (LULUCF)																								
11.2. Land use, land-use change and forestry (LULUCF)																									
12. International aviation and shipping	12.1. International aviation and shipping																								
12.2. International aviation																									
12.3. International shipping																									
13. Fugitive emissions	13.1. Fugitive emissions																								
13.2. Fugitive emissions																									

Notes:  
1) The data is reported for the base year 2019 and the projection years 2020-2030.  
2) The data is reported for the base year 2019 and the projection years 2020-2030.  
3) The data is reported for the base year 2019 and the projection years 2020-2030.  
4) The data is reported for the base year 2019 and the projection years 2020-2030.  
5) The data is reported for the base year 2019 and the projection years 2020-2030.  
6) The data is reported for the base year 2019 and the projection years 2020-2030.  
7) The data is reported for the base year 2019 and the projection years 2020-2030.  
8) The data is reported for the base year 2019 and the projection years 2020-2030.  
9) The data is reported for the base year 2019 and the projection years 2020-2030.  
10) The data is reported for the base year 2019 and the projection years 2020-2030.  
11) The data is reported for the base year 2019 and the projection years 2020-2030.  
12) The data is reported for the base year 2019 and the projection years 2020-2030.  
13) The data is reported for the base year 2019 and the projection years 2020-2030.  
14) The data is reported for the base year 2019 and the projection years 2020-2030.  
15) The data is reported for the base year 2019 and the projection years 2020-2030.  
16) The data is reported for the base year 2019 and the projection years 2020-2030.  
17) The data is reported for the base year 2019 and the projection years 2020-2030.  
18) The data is reported for the base year 2019 and the projection years 2020-2030.  
19) The data is reported for the base year 2019 and the projection years 2020-2030.  
20) The data is reported for the base year 2019 and the projection years 2020-2030.



Annex XIV - Table 1a: Greenhouse gas projections by gas and category<sup>1)</sup>  
 version 12 July 2021  
 Instructions (click the 'x' in the left)

Sector	Sub-sector	Emissions category	Gas	Year										Total	2021-2030	2030				
				2021													2030			
				Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct					Nov	Dec	
<b>Total</b>				1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	
Energy	Electricity	CO2																		
Energy	Electricity	CH4																		
Energy	Electricity	N2O																		
Energy	Electricity	HFC																		
Energy	Electricity	PFC																		
Energy	Electricity	SF6																		

Notes  
 1) The projections are based on the 2021-2030 projections and the 2021-2020 projections are based on the 2021-2020 projections.  
 2) The emissions are in GtCO2e.  
 3) The emissions are in GtCO2e.  
 4) The emissions are in GtCO2e.  
 5) The emissions are in GtCO2e.  
 6) The emissions are in GtCO2e.  
 7) The emissions are in GtCO2e.  
 8) The emissions are in GtCO2e.  
 9) The emissions are in GtCO2e.  
 10) The emissions are in GtCO2e.  
 11) The emissions are in GtCO2e.  
 12) The emissions are in GtCO2e.  
 13) The emissions are in GtCO2e.  
 14) The emissions are in GtCO2e.  
 15) The emissions are in GtCO2e.  
 16) The emissions are in GtCO2e.  
 17) The emissions are in GtCO2e.  
 18) The emissions are in GtCO2e.  
 19) The emissions are in GtCO2e.  
 20) The emissions are in GtCO2e.

**Annex XIV - Table 13: Greenhouse gas projections by gas and categories<sup>1)</sup>**  
 version 12 July 2023

Instructions (click the "x" at the left)

Sector and sub-sector (EU-ETS)	Year	CO2		CH4		N2O		HFC		PFC		SF6		NF3		Total	
		2021	2022	2021	2022	2021	2022	2021	2022	2021	2022	2021	2022	2021	2022	2021	2022
<b>Total EU-ETS</b>		12000	11500	150	145	250	245	1500	1450	50	50	100	100	20	20	2500	2450
<b>EU-ETS Industrial Processes</b>		8000	7800	100	95	150	145	800	780	30	30	50	50	10	10	1200	1165
<b>EU-ETS Electricity</b>		3500	3500	0	0	0	0	0	0	0	0	0	0	0	0	3500	3500
<b>EU-ETS Energy</b>		500	500	0	0	0	0	0	0	0	0	0	0	0	0	500	500
<b>EU-ETS Aviation</b>		1000	1000	0	0	0	0	0	0	0	0	0	0	0	0	1000	1000
<b>EU-ETS Shipping</b>		1000	1000	0	0	0	0	0	0	0	0	0	0	0	0	1000	1000
<b>EU-ETS Buildings</b>		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>EU-ETS Land Use, Land-Use Change, and Forestry (LULUCF)</b>		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

**Notes**

- 1) Sector and sub-sector for EU-ETS are starting with 2021 (indicated only between brackets)
- 2) Values are in GtCO2e (GtCO2 for CO2, GtCH4 for CH4, GtN2O for N2O, GtHFC for HFC, GtPFC for PFC, GtSF6 for SF6, GtNF3 for NF3)
- 3) Values for LULUCF are in GtCO2e (GtCO2 for CO2, GtCH4 for CH4, GtN2O for N2O, GtHFC for HFC, GtPFC for PFC, GtSF6 for SF6, GtNF3 for NF3)
- 4) Values for LULUCF are in GtCO2e (GtCO2 for CO2, GtCH4 for CH4, GtN2O for N2O, GtHFC for HFC, GtPFC for PFC, GtSF6 for SF6, GtNF3 for NF3)
- 5) Values for LULUCF are in GtCO2e (GtCO2 for CO2, GtCH4 for CH4, GtN2O for N2O, GtHFC for HFC, GtPFC for PFC, GtSF6 for SF6, GtNF3 for NF3)
- 6) Values for LULUCF are in GtCO2e (GtCO2 for CO2, GtCH4 for CH4, GtN2O for N2O, GtHFC for HFC, GtPFC for PFC, GtSF6 for SF6, GtNF3 for NF3)
- 7) Values for LULUCF are in GtCO2e (GtCO2 for CO2, GtCH4 for CH4, GtN2O for N2O, GtHFC for HFC, GtPFC for PFC, GtSF6 for SF6, GtNF3 for NF3)
- 8) Values for LULUCF are in GtCO2e (GtCO2 for CO2, GtCH4 for CH4, GtN2O for N2O, GtHFC for HFC, GtPFC for PFC, GtSF6 for SF6, GtNF3 for NF3)
- 9) Values for LULUCF are in GtCO2e (GtCO2 for CO2, GtCH4 for CH4, GtN2O for N2O, GtHFC for HFC, GtPFC for PFC, GtSF6 for SF6, GtNF3 for NF3)
- 10) Values for LULUCF are in GtCO2e (GtCO2 for CO2, GtCH4 for CH4, GtN2O for N2O, GtHFC for HFC, GtPFC for PFC, GtSF6 for SF6, GtNF3 for NF3)