

Brussels, XXX [...](2024) XXX draft

ANNEX

ANNEX

to the

Commission Implementing Regulation (EU)

amending Commission Implementing Regulation (EU) 2020/1208 on structure, format, submission processes and review of information reported by Member States pursuant to Regulation (EU) 2018/1999 of the European Parliament and of the Council

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ANNEX I

'ANNEX II

Information on the use of auctioning revenues pursuant to Article ${\bf 5}$

Table 1: Revenues generated and used from auctioning of allowances in the year X-1

1		Amount for	the year X-1
2		1 000 Euros	1 000 in domestic currency, if applicable (1)
3	A	В	С
4	Total amount of revenues generated from auctioning of allowances		
5	Total amount of revenue generated from the additional allowances pursuant to Article 3ga(3) second subparagraph (2)		
6	Total amount of revenues from auctioning of allowances or equivalent financial value disbursed for the purposes specified in Article 10(3) of Directive 2003/87/EC		

7	Total amount of revenues from auctioning of allowances or equivalent financial value committed (3) but not disbursed for the purposes specified in Article 10(3) of Directive 2003/87/EC	
8	Total amount of revenues from auctioning of allowances or equivalent financial value not yet committed or disbursed	
9	Financial approach Please explain relevant national approach (fund, <i>ad-hoc</i> projects, equivalent financial value via the general budget, or any combination thereof) and any changes to the approach since last reporting	

- (1) An average annual exchange rate for the year X-1 or the real exchange rate applied to the amount disbursed shall be used for the currency conversion.
- (2) Pursuant to Article 3ga(3) of Directive 2003/87/EC, until 31 December 2030, a share of allowances is be attributed to Member States with a high ratio of shipping companies that would have been under their responsibility compared to their respective population in 2020. The revenue generated from the auctioning of that share of allowances shall be reported separately here and included in the amount reported in row 4.
- (3) A 'commitment' means that the Member State has assigned the money to a specific programme or measure, for instance in the form of a budget line in a dedicated fund or in the form of a contract with a beneficiary, but has not yet paid it out.

Table 2: Revenues from auctioning of allowances since 5 June 2023 cumulatively disbursed in the year X-1 for the purposes specified in Article 10(3) towards 100% spending

	Reporting	Reporting on:								Comments
	 Auction revenues generated in the year X-1 disbursed for the purposes specified in Article 10(3) in EUR 1000 (or domestic currency) in the year X-1 and as percentage of the revenues generated in the year X-1 Total auction revenues generated in the year X-2 disbursed for the purposes specified in Article 10(3) in EUR 1000 (or domestic currency) by the year X-1, also expressed as percentage of the revenues generated in the year X-2(1) 									
Year	Year 2023 2024 2025 2026		2026	2027	2028	2029	2030	% total	If 100 % is not reached yet, please explain why and when you expect the target of 100 % to be reached	
2023(2)										
2024										
2025										
2026										
2027										
2028										
2029										
2030										

- (1) The second white cell of each year's row shows the sum of revenues of X-1 disbursed in the year X-1 and in the year X-2. E.g., the cell for the year 2023 and the disbursement in 2024 show the sum of the revenues of 2023 disbursed in 2023 and 2024. The purpose of this table is to track the expenditure of revenues pertaining to a certain year to meet the 100 % obligation.
- (2) From 5 June until 31 December 2023.

Table 3: Revenues disbursed or committed in the year X-1 from the revenues generated from the auctioning of allowances for domestic, Union and international purposes pursuant to Articles 3d and 10 of Directive 2003/87/EC

1	Type of use	Name of the project or programme	Short descriptio n	Category(²)		unt for r X-1	Status as disbursed and year(3)	Status as committed and year(4)	Visibility (5)	Maritime redistributi on mechanism (⁶)	NECP / JTP (⁷)	Comments
2	E.g. Article 10(3), point (a), of Directive 2003/87/EC, Article 10(3), point (b), of Directive 2003/87/EC, etc.	E.g. programm e, activity, action or project title	Include reference to online source of more detailed description	Indicate the category that best corresponds from the options provided	1 000 Euros	1 000 Dome stic Curre ncy	Indicate year in which the revenues were generated	Indicate year in which the revenues were generated	Indicate how visibility is ensured and by whom (e.g. beneficiary, or relevant public body)	Tick the box if the project or programme uses Article 3ga(3) revenues	Indicate if implementi ng the NECP or a JTP with the action	E.g. explain gaps, qualitative information on specific uses if quantitative information is not available
3	A	В	С		D	Е	F	G	I	J	К	L
4												
5												
	(Add rows as necessary)											
6		Total amount of revenues or equivalent financial value used			Sum of colu mn D	Sum of colum n E	Sum of Column F	Sum of Column G				

- (1) Choose from the following list of purposes, as set out in Article 10(3) of Directive 2003/87/EC. Member States shall avoid double counting of amounts in this Table. Where an individual programme or project contributes to multiple purposes, please select the purpose to which it contributes most:
 - a) to reduce greenhouse gas emissions, including by contributing to the Global Energy Efficiency and Renewable Energy Fund and to the Adaptation Fund as made operational by the Poznan Conference on Climate Change (COP 14 and COP/MOP 4), to adapt to the impacts of climate change and to fund research and development as well as demonstration projects for reducing emissions and for adaptation to climate change, including participation in initiatives within the framework of the European Strategic Energy Technology Plan and the European Technology Platforms;
 - b) to develop renewable energies and grids for electricity transmission to meet the commitment of the Union to renewable energies and the Union targets on interconnectivity, as well as to develop other technologies that contribute to the transition to a safe and sustainable low-carbon economy, and to help to meet the commitment of the Union to increase energy efficiency, at the levels agreed in relevant legislative acts, including the production of electricity from renewables self-consumers and renewable energy communities:
 - c) measures to avoid deforestation and support the protection and restoration of peatland, forests and other land-based ecosystems or marine-based ecosystems, including measures that contribute to the protection, restoration and better management thereof, in particular as regards marine-protected areas, and increase biodiversity-friendly afforestation and reforestation, including in developing countries that have ratified the Paris Agreement, and measures to transfer technologies and to facilitate adaptation to the adverse effects of climate change in those countries;
 - d) forestry and soil sequestration in the Union;
 - e) the environmentally safe capture and geological storage of CO₂, in particular from solid fossil fuel power stations and a range of industrial sectors and subsectors, including in third countries, and innovative technological carbon removal methods, such as direct air capture and storage;
 - f) to invest in and accelerate the shift to forms of transport which contribute significantly to the decarbonisation of the sector, including the development of climate-friendly passenger and freight rail transport and bus services and technologies, measures to decarbonise the maritime sector, including the improvement of the energy efficiency of ships, ports, innovative technologies and infrastructure, and sustainable alternative fuels, such as hydrogen and ammonia that are produced from renewables, and zero-emission propulsion technologies, and to finance measures to support the decarbonisation of airports in accordance with a Regulation of the European Parliament and of the Council, and a Regulation of the European Parliament and of the Council on ensuring a level playing field for sustainable air transport;
 - g) to finance research and development in energy efficiency and clean technologies in the sectors covered by Directive 2003/87/EC;
 - h) measures intended to improve energy efficiency, district heating systems and insulation, to support efficient and renewable heating and cooling systems, or to support the deep and staged deep renovation of buildings in accordance with Directive 2010/31/EU of the European Parliament and of the Council, starting with the renovation of the worst-performing buildings;
 - ha) to provide financial support to address social aspects in lower- and middle-income households, including by reducing distortive taxes, and targeted reductions of duties and charges for renewable electricity;
 - hb) to finance national climate dividend schemes with a proven positive environmental impact as documented in the annual report referred to in Article 19(2) of Regulation (EU) 2018/1999 of the European Parliament and of the Council;

- i) to cover administrative expenses of the management of the EU ETS;
- j) to finance climate actions in vulnerable third countries, including the adaptation to the impacts of climate change;
- k) to promote skill formation and reallocation of labour in order to contribute to a just transition to a climate-neutral economy, in particular in regions most affected by the transition of jobs, in close coordination with the social partners, and to invest in upskilling and reskilling of workers potentially affected by the transition, including workers in maritime transport;

to address any residual risk of carbon leakage in the sectors covered by Annex I to Regulation (EU) 2023/956 of the European Parliament and of the Council, supporting the transition and promoting their decarbonisation in accordance with State aid rules.

- (2) Please choose from the following list. Where an individual programme or project contributes to multiple fields, please select the one to which it contributes most:
 - 1. Energy supply, grids and storage (e.g. renewables, self-consumers)
 - 2. Energy efficiency, heating and cooling in buildings
 - 3. Industry decarbonisation (low-carbon technologies, CCUS and energy efficiency in industrial sectors excl. energy sector)
 - 4. Permanent removals (BECCS / DACCS)
 - 5. Social support and just transition
 - 6. International purposes and international climate finance
 - 7. Public transport and mobility (rail, bus, metro, tram, bicycle, walking)
 - 8. Road transport (cars, trucks)
 - 9. Aviation (including alternative fuels)
 - 10. Maritime transport (including energy efficiency, infrastructure, and alternative fuels)
 - 11. Adaptation
 - 12. LULUCF, agriculture and land-based removals
 - 13. Waste management
 - 14. Administrative expenses
 - 15. Other
- (3) Please indicate to which year the disbursed amounts pertain, i.e. in which year they were generated by the auctions. This information is necessary to calculate whether 100% of the revenues of a certain year were disbursed.
- (4) Please indicate to which year the committed amounts pertain, i.e. in which year they were generated by the auctions. A 'commitment' means the Member State has assigned the money to a specific programme or measure, for instance in the form of a budget line in a dedicated fund or in the form of a contract with a beneficiary, but has not paid it out yet.
- (5) Pursuant to Article 30m(3) of Directive 2003/87/EC, Member States are to endeavour to ensure the visibility of the source of the funding of actions or projects funded from the EU ETS auctioning revenues of which they determine the use in accordance with Article 3d(4), Article 10(3) and Article 30d(6) of that Directive.' In case the visibility of the funding is not ensured, please explain how it was endeavoured.

- (6) Pursuant to Article 3ga(3) of Directive 2003/87/EC, until 31 December 2030, a share of allowances is attributed to Member States with a high ratio of shipping companies under their responsibility compared to their respective population. The revenue generated from the auctioning of that share of allowances should be used for the purposes referred to in Article 10(3), first subparagraph, point (g), with regard to the maritime sector, and points (f) and (i). The relevant Member States shall use column J to indicate where such revenues have been used.
- (7) Pursuant to Article 10(3) of Directive (EU) 2003/87/EC, Member States are required to specify, where relevant and as appropriate, which revenues are used and the actions that are taken to implement their integrated national energy and climate plans (NECP) submitted in accordance with Regulation (EU) 2018/1999 and their territorial just transition plans (JTP) prepared in accordance with Article 11 of Regulation (EU) 2021/1056 of the European Parliament and of the Council of 24 June 2021 establishing the Just Transition Fund (OJ L 231, 30.6.2021, p. 1, ELI: http://data.europa.eu/eli/reg/2018/1999/oj). Please indicate the number of the action that is being implemented (e.g., NECP measure 1.1 or JTP XX.1)

Table 4: Use of revenues from auctioning of allowances for international purposes in the year X-1

1		Amount disbursed i	Amount disbursed in the year X-1		tted in the	Comments
2	Use of revenues from auctioning of allowances or the equivalent in financial value for international purposes (1)	1 000 Domestic currency, if applicable (2)	1 000 Euros	1 000 Domestic currency, if applicable (2)	1 000 Euros	E.g. explain gaps, qualitative information on specific uses if quantitative information is not available and any other accompanying information
3	A	В	С	D	Е	F
4	Total amount used as specified under Articles 10(3) and 3d(4) of Directive 2003/87/EC for supporting third countries other than developing countries					
5	Total amount used as specified under Articles 10(3) and 3d(4) of Directive 2003/87/EC for supporting developing countries					
6	Total amount for supporting developing countries through multilateral channels					Please specify which and the amounts per channel (3)
7	Total amount for supporting developing countries through bilateral or regional channels					Please provide a short description and in which third country.

- (1) The amounts disbursed or committed for international purposes shall reflect the projects and programmes mentioned in Table 3 to the extent that they are financed outside the Union. Such amounts [?] include, but are not limited to, items categorised under Article 10(3), point (j), as revenues used to finance climate actions in vulnerable third countries, including the adaptation to the impacts of climate change as well as items for which the box 'international climate finance' in Table 3 was ticked.
- (2) An average annual exchange rate for the year X-1 or the real exchange rate applied to the amount disbursed shall be used for the currency conversion.
- (3) For instance, the Global Energy Efficiency and Renewable Energy Fund (GEEREF), the Adaptation Fund referred to in Article 10(3), point (a), of Directive 2003/87/EC, the Special Climate Change Fund (SCCF) under the UNFCCC, the Green Climate Fund under the UNFCCC, the Least Developed Countries Fund, the UNFCCC Trust Fund for Supplementary Activities, for multilateral support to REDD+ activities, the Global Environmental Facility, the World Bank, the International Finance Corporation, the African Development Bank, the European Bank for Reconstruction and Development and the Inter-American Development Bank.'

ANNEX II

'ANNEX XII

Reporting on consistency of reported emissions with data from the EU Emissions Trading System pursuant to Article 14

Allocation of verified emissions reported by installations and operators under Directive 2003/87/EC to source categories of the national greenhouse gas inventory							
Member State							
Reporting year:							
Basis for data: verified ETS emissions and greenhouse gas emissions as reported in inventory submission for the year X-2							

	Total emissions (CO ₂ -eq)						
	Greenhouse gas inventory emissions [kt CO ₂ eq] ⁽³⁾	Verified emissions under Directive 2003/87/EC [kt CO ₂ eq] ⁽³⁾⁽⁵⁾	Ratio in % (Verified emissions/inventory emissions) (3)	Comment (2)			
Greenhouse gas emissions (for GHG inventory: total GHG emissions, including indirect CO_2 emissions if reported, without LULUCF, and excluding emissions from domestic aviation; for Directive 2003/87/EC: GHG emissions from stationary installations under Article 2(1) of Directive 2003/87/EC)							
${\rm CO_2}$ emissions (for GHG inventory: total ${\rm CO_2}$ emissions, including indirect ${\rm CO_2}$ emissions if reported, without LULUCF,, and excluding ${\rm CO_2}$ emissions from domestic aviation; for Directive 2003/87/EC: ${\rm CO_2}$ emissions from stationary installations under Article 2(1) of Directive 2003/87/EC)							

	CO ₂ emissions							
Category (1)	Greenhouse gas inventory emissions [kt] (3)	Verified emissions under Directive 2003/87/EC [kt] (3)(5)	Ratio in % (Verified emissions/inventory emissions) (3)	Comment (2)				
1.A Fuel combustion activities, total								
1.A Fuel combustion activities, stationary combustion								
1.A.1 Energy industries								
1.A.1.a Public electricity and heat production								
1.A.1.b Petroleum refining								
1.A.1.c Manufacture of solid fuels and other energy industries								
Iron and steel (for GHG inventory combined CRT categories 1.A.2.a+ 2.C.1 + 1.A.1.c and other relevant CRT categories that include emissions from iron and steel (e.g. 1A1a, 1B1) (4))								
1.A.2. Manufacturing industries and construction								
1.A.2.a Iron and steel								
1.A.2.b Non-ferrous metals								
1.A.2.c Chemicals								
1.A.2.d Pulp, paper and print								
1.A.2.e Food processing, beverages and tobacco								
1.A.2.f Non-metallic minerals								

	CO ₂ emissions							
Category (1)	Greenhouse gas inventory emissions [kt] (3)	Verified emissions under Directive 2003/87/EC [kt] (3)(5)	Ratio in % (Verified emissions/inventory emissions) (3)	Comment (2)				
1.A.2.g Other								
1.A.3. Transport								
1.A.3.e Other transportation (pipeline transport)								
1.A.4 Other sectors								
1.A.4.a Commercial/Institutional								
1.A.4.c Agriculture/Forestry/Fisheries								
1.B Fugitive emissions from Fuels								
1.C CO ₂ Transport and storage								
1.C.1 Transport of CO ₂								
1.C.2 Injection and storage								
1.C.3 Other								
2.A Mineral products								
2.A.1 Cement production								
2.A.2 Lime production								
2.A.3 Glass production								
2.A.4 Other process uses of carbonates								

	CO ₂ emissions							
Category (1)	Greenhouse gas inventory emissions [kt] ⁽³⁾	Verified emissions under Directive 2003/87/EC [kt] (3)(5)	Ratio in % (Verified emissions/inventory emissions) (3)	Comment (2)				
2.B Chemical industry								
2.B.1 Ammonia production								
2.B.3 Adipic acid production (CO ₂)								
2.B.4 Caprolactam, glyoxal and glyoxylic acid production								
2.B.5 Carbide production								
2.B.6 Titanium dioxide production								
2.B.7 Soda ash production								
2.B.8 Petrochemical and carbon black production								
2.C Metal production								
2.C.1 Iron and steel production								
2.C.2 Ferroalloys production								
2.C.3 Aluminium production								
2.C.4 Magnesium production								
2.C.5 Lead production								
2.C.6 Zinc production								
2.C.7 Other metal production								

	N2O emissions						
Category (1)	Greenhouse gas inventory emissions [kt CO ₂ eq] ⁽³⁾	emissions Directive 2003/87/EC		Comment (2)			
2.B.2 Nitric acid production							
2.B.3 Adipic acid production							
2.B.4 Caprolactam, glyoxal and glyoxylic acid production							
	PFC emissions						
Category (1)	Greenhouse gas inventory emissions [kt CO ₂ eq] ⁽³⁾	Verified emissions under Directive 2003/87/EC [kt CO ₂ eq] ⁽³⁾⁽⁵⁾	Ratio in % (Verified emissions/inventory emissions) (3)	Comment (2)			
2.C.3 Aluminium production							

Notation: x = reporting year

Notes:

(1) The allocation of verified emissions to disaggregated inventory categories at four digit level must be reported where such allocation of verified emissions is possible and emissions occur. The following notation keys should be used:

NO = not occurring; IE = included elsewhere; C = confidential;

 $Negligible = small \ amount \ of \ verified \ emissions \ may \ occur \ in \ respective \ CRT \ category, \ but \ amount \ is < 5 \ \% \ of \ the \ category.$

- (2) The column comment should be used to give a brief summary of the checks performed and if a Member State wants to provide additional explanations with regard to the allocation reported.
- (3) Data to be reported up to one decimal point for kt and % values.
- (4) To be filled on the basis of combined CRT categories pertaining to 'Iron and Steel', to be determined individually by each Member State; the stated formula is for illustration purposes only.
- (5) In accordance with the scope set out in Article 2(1) of Directive 2003/87/EC of activities listed in Annex I to that Directive other than aviation activities, 'maritime transport' activities and activities only listed in that Annex for the purposes of Articles 14 and 15 of that Directive. CO₂ emissions from the use of biomass in stationary installations as listed in Annex I to Directive 2003/87/EC are accounted for as zero for the purposes of this Annex.'

ANNEX III

'ANNEX XV

Reporting on greenhouse gas emissions covered by Regulation (EU) 2018/842 (ESR) pursuant to Article 19 (1)

A		X-2	X-3 (2)	X-4 ⁽³⁾	X-5 ⁽⁴⁾	X-6 (5)
В	Greenhouse gas emissions	kt CO ₂ eq	kt CO₂eq	kt CO₂eq	kt CO₂eq	kt CO₂eq
С	Total greenhouse gas emissions without LULUCF ⁽⁶⁾					
Ca	Negative emissions from captured and permanently stored CO2 emissions from biomass					
D	Total verified emissions from stationary installations under Directive 2003/87/EC (7)					
Е	CO ₂ emissions from 1.A.3.a civil aviation					
F	Total ESR emissions (= C-Ca-D-E)					
G	Annual Emission Allocation as defined in the Implementing Act pursuant to Art. 4(3) of Regulation (EU) 2018/842					
Н	Difference between AEA allocation and reported total ESR emissions (= G-F)					

Notation: x = reporting year

- (1) Reporting is obligatory in the years 2027 and 2032; reporting is optional in the years 2023, 2024, 2025, 2026, 2028, 2029, 2030 and 2031.
- (2) Reporting on emissions of year X-3 is not applicable in the years 2023 and 2028.
- (3) Reporting on emissions of year X-4 is not applicable in the years 2023, 2024, 2028 and 2029.
- (4) Reporting on emissions of year X-5 is not applicable in the years 2023, 2024, 2025, 2028, 2029 and 2030.
- (5) Reporting on emissions of year X-6 is not applicable in the years 2023, 2024, 2025, 2026, 2028, 2029, 2030 and 2031.

- (6) Total greenhouse gas emissions for the geographical scope of the Union, including indirect CO₂ emissions if reported, and consistent with total greenhouse gas emissions without LULUCF as reported in the respective summary table of the CRT for the same year.
- (7) In accordance with the scope set out in Article 2(1) of Directive2003/87/EC of activities listed in Annex I to that Directive other than aviation activities, 'maritime transport' activities and activities only listed in that Annex for the purposes of Articles 14 and 15 of that Directive. CO₂ emissions from the use of biomass in stationary installations as listed in Annex I to Directive 2003/87/EC are accounted for as zero for the purposes of this Annex. The data reported here shall be consistent with verified emissions as accounted for in the EU transaction log referred to in Article 20 of Directive 2003/87/EC by 18:30 on 8 January and 8 March for the preliminary inventory reports submission and the final inventory reports submission respectively.'

ANNEX IV

'ANNEX XX

Reporting on accounted emissions and removals pursuant to Article 24

Table 1a: Greenhouse gas emissions and removals in the LULUCF sector as reported in the national greenhouse gas inventory (1)(2)(3)

Part 1: LULUCF GHG emissions and removals or	n inventory and accounting cate	gory matching level		re	mova CC	ols se D ₂ , Cl	sions parat H4, N O2eq)	tely f 2O	or		(emiss remo kt C calcu toma	ovals O2eq ılate	s () d	
Greenhouse gas source and sink sub-categories	Greenhouse gas source and sink categories	LULUCF Regulation Accounting subcategory	LULUCF Regulation Accounting category	20 21	20 22	20 23	20 24	20 25	To tal	20 21	20 22	20 23	20 24	20 25	To tal
4.A.1. Forest land remaining forest land	4.A Forest land	Forest land remaining forest land	Managed forest land												
4.A.2.1 Cropland converted to forest land	4.A Forest land	Cropland converted to forest land	Afforested land												
4.A.2.2 Grassland converted to forest land	4.A Forest land	Grassland converted to forest land	Afforested land												
4.A.2.3 Wetlands converted to forest land	4.A Forest land	Wetland converted to forest land	Afforested land												
4.A.2.4 Settlements converted to forest land	4.A Forest land	Settlements converted to forest land	Afforested land												
4.A.2.5 Other land converted to forest land	4.A Forest land	Other land converted to forest land	Afforested land												
4.B.1. Cropland remaining cropland	4.B. Cropland	Cropland remaining cropland	Managed cropland												
4.B.2.1 Forest land converted to cropland	4.B. Cropland	Forest land converted to cropland	Deforested land												
4.B.2.2 Grassland converted to cropland	4.B. Cropland	Grassland converted to cropland	Managed cropland												

4.B.2.3 Wetlands converted to cropland	4.B. Cropland	Wetland converted to cropland	Managed cropland				
4.B.2.4 Settlements converted to cropland	4.B. Cropland	Settlements converted to cropland	Managed cropland				
4.B.2.5 Other land converted to cropland	4.B. Cropland	Other land converted to cropland	Managed cropland				
4.C.1. Grassland remaining grassland	4.C. Grassland	Grassland remaining grassland	Managed grassland				
4.C.2.1 Forest land converted to grassland	4.C. Grassland	Forest land converted to grassland	Deforested land				
4.C.2.2 Cropland converted to grassland	4.C. Grassland	Cropland converted to grassland	Managed grassland				
4.C.2.3 Wetlands converted to grassland	4.C. Grassland	Wetland converted to grassland	Managed grassland				
4.C.2.4 Settlements converted to grassland	4.C. Grassland	Settlements converted to grassland	Managed grassland				
4.C.2.5 Other Land converted to grassland	4.C. Grassland	Other land converted to grassland	Managed grassland				
4.D.1. Wetlands remaining wetlands	4.D. Wetlands	Wetland remaining wetland	Managed wetland				
4.D.2.1.1 Forest land converted to peat extraction	4.D. Wetlands	Forest land converted to wetland	Deforested land				
4.D.2.1.2 Cropland converted to peat extraction	4.D. Wetlands	Cropland converted to wetland	Managed cropland				
4.D.2.1.3 Grassland converted to peat extraction	4.D. Wetlands	Grassland converted to wetland	Managed grassland				
4.D.2.1.4 Settlements converted to peat extraction	4.D. Wetlands	Settlement converted to wetland	Managed wetland				
4.D.2.1.5 Other land converted to peat extraction	4.D. Wetlands	Other land converted to wetland	Managed wetland				
4.D.2.2.1 Forest land converted to flooded land	4.D. Wetlands	Forest land converted to wetland	Deforested land				
4.D.2.2.2 Cropland converted to flooded land	4.D. Wetlands	Cropland converted to wetland	Managed cropland				

4.D.2.2.3 Grassland converted to flooded land	4.D. Wetlands	Grassland converted to wetland	Managed grassland				
4.D.2.2.4 Settlements converted to flooded land	4.D. Wetlands	Settlement converted to wetland	Managed wetland				
4.D.2.2.5 Other land converted to flooded land	4.D. Wetlands	Other land converted to wetland	Managed wetland				
4.D.2.3.1 Forest land converted to other wetlands	4.D. Wetlands	Forest land converted to wetland	Deforested land				
4.D.2.3.2 Cropland converted to other wetlands	4.D. Wetlands	Cropland converted to wetland	Managed cropland				
4.D.2.3.3 Grassland converted to other wetlands	4.D. Wetlands	Grassland converted to wetland	Managed grassland				
4.D.2.3.4 Settlements converted to other wetlands	4.D. Wetlands	Settlement converted to wetland	Managed wetland				
4.D.2.3.5 Other land converted to other wetlands	4.D. Wetlands	Other land converted to wetland	Managed wetland				
4.E.1. Settlements remaining settlements	4.E. Settlements	not accounted for under Re 2018/841	egulation (EU)				
4.E.2.1 Forest land converted to settlements	4.E. Settlements	Forest land converted to settlements	Deforested land				
4.E.2.2 Cropland converted to settlements	4.E. Settlements	Cropland converted to settlements	Managed cropland				
4.E.2.3 Grassland converted to settlements	4.E. Settlements	Grassland converted to settlement	Managed grassland				
4.E.2.4 Wetlands converted to settlements	4.E. Settlements	Wetland converted to settlement	Managed wetland				
4.E.2.5 Other land converted to settlements	4.E. Settlements	not accounted for under Re 2018/841	egulation (EU)				
4.F.2. Other land remaining other land	4.F. Other land	not accounted for under Re 2018/841	egulation (EU)				
4.F.2.1 Forest land converted to other land	4.F. Other land	Forest land converted to other land	Deforested land				
4.F.2.2 Cropland converted to other land	4.F. Other land	Cropland converted to other land	Managed cropland				

4.F.2.3 Grassland converted to other land	4.F. Other land	Grassland converted to Managed other land grassland				
4.F.2.4 Wetlands converted to other land	4.F. Other land	Wetland converted to Managed other land wetland				
4.F.2.5 Settlements converted to other land	4.F. Other land	not accounted for under Regulation (EU) 2018/841				
4.G Harvested wood products; thereof: Harvested wood products from managed forest land (2)	4.G. Harvested wood products	Harvested wood products from managed forest land forest land				
4.G Harvested wood products; thereof: Harvested wood products from afforested land ⁽²⁾	4.G. Harvested wood products	Harvested wood products from afforested land Afforested land				
4.G Harvested wood products; thereof: Harvested wood products from deforested land	4.G. Harvested wood products	not accounted for under Regulation (EU) 2018/841				
4.G Harvested wood products; thereof: Harvested wood products from other land	4.G. Harvested wood products	not accounted for under Regulation (EU) 2018/841				
4.H. Other (please specify)	4.H. Other	not accounted for under Regulation (EU) 2018/841				

Table 1a Part 2: summary for comparison with CRT (automate)	atically calculated)		re	mova CC	emiss als se D2, Cl	para H4, N	tely f 2O			(i (i	remo kt C(calcu	ions avals O2eq) lated tical	
	Greenhouse gas source and sink categories		20 21	20 22	20 23	20 24	20 25	To tal	20 21	20 22	20 23	20 24	20 To 25 ta
	4.A Forest land												
	4.B. Cropland												
	4.C. Grassland												
	4.D. Wetlands												
	4.E. Settlements												
	4.F. Other land												
	4.G. Harvested wood products												
	4.H. Other												
Table 1a Part 3: summary in accounting categories (automat	ically calculated)	1											
			re	mova	emiss als se D2, Cl	para	tely f	cor		(1	remo kt C(O ₂ eq)	
					(kt (CO ₂ e	q)					lated ticall	
		LULUCF Regulation Accounting category	20 21	20 22	20 23	20 24	20 25	To tal	20 21	20 22	20 23	20 24	20 To 25 ta
		Sum afforested											

land						
Sum deforested land						
Sum managed cropland						
Sum managed grassland						
Sum managed forest land						
Sum managed wetland						
Sum unaccounted						

- (1) Emissions to be denoted as positive values (+), removals (-).
- (2) Harvested Wood Products including the category of paper as referred to in Article 9(1)(a) of Regulation (EU) 2018/841.
- (3) Member States may choose to refer to the greenhouse gas inventory data for parts of information required in this table, provided that the relevant CRT tables for the inventory reporting have been completed applying the drop-down menu selection where available. This option is currently provided for in CRT tables 4.A-4.F, 4(II) and 4(III).

Table 1b: Accounting table

	1	NET EM	IISSION	S/REMO	VALS (1	0)	Accounting parameters	Accounting quantity (3)
Land Accounting Categories	2021	2022	2023	2024	2025	Total ⁽²⁾	•	

					ì		
A	Mandatory accounting categories						
A.1	Managed Forest land						
	thereof Forest land remaining Forest land	tra	nsferred f	from Tab	le 1a		
	thereof HWP from Managed forest land ⁽⁸⁾⁽⁹⁾	tra	nsferred f	from Tab	le 1a		
	thereof Dead wood ⁽⁸⁾						
	excluded emissions from natural disturbances ⁽⁴⁾						
	excluded subsequent removals from land subject to natural disturbances $^{(5)}$						
	Forest Reference Level (FRL) ⁽⁶⁾						
	Technical correction(s) to FRL ⁽⁷⁾						
	Forest management cap ⁽⁸⁾						
A.2	Afforested Land	tra	nsferred f	from Tab	le 1a		
	thereof HWP from Afforested land ⁽⁹⁾⁽¹¹⁾						
	excluded emissions from natural disturbances ⁽⁴⁾						
	excluded subsequent removals from land subject to natural disturbances $^{(5)}$						
A.3	Deforested Land	tra	nsferred f	from Tab	le 1a		
A.4	Managed Cropland ⁽¹⁾	tra	nsferred f	from Tab	le 1a		
A.5	Managed Grassland ⁽¹⁾	tra	nsferred f	from Tab	le 1a		
В	Elected accounting categories						
B.1	Managed Wetland (if elected)	tra	nsferred f	from Tab	le 1a		
	TOTAL						

- (1) The Accounting Parameter for the categories managed cropland, managed grassland and/or managed wetland (if elected): average of the base period 2005-2009 in accordance with Article 7(1) to 7(3) of Regulation (EU) 2018/841.
- (2) Cumulative net emissions and removals for all years of the compliance period reported in the current submission.
- (3) The accounting quantity is the sum of total emissions and total removals on its territory in the land accounting categories referred to in Article 2 combined, as

- accounted in accordance with Regulation 2018/841.
- (4) A Member State that has indicated their intent to apply the natural disturbance provisions may choose to exclude emissions from natural disturbances either at any time up to the end of the compliance period, c.f. Article 10 of Regulation (EU) 2018/841.
- (5) Any subsequent removals on lands from which emissions from natural disturbances have been excluded is subtracted from the accounting quantity of the respective activity.
- (6) Forest reference level as set out in the delegated act adopted pursuant to Article 8(8) and 8(9) of Regulation (EU) 2018/841, in kt CO₂ eq per year.
- (7) Technical corrections in accordance with Article 8(11) of Regulation 2018/841 and reported in kt CO₂ eq per year. Member States are to report the technical corrections in 2027, but are encouraged to report this information, when data is available.
- (8) In accordance with Article 8(2) no more than the equivalent of 3,5 % of the emissions of the Member State in its base year or period as specified in Annex III of Regulation 2018/841. Exceptions apply for Dead wood and Harvested Wood Products excluding the category of paper as referred to in Article 9(1)(a) of Regulation (EU) 2018/841.
- (9) These emissions are not included in the emissions of the pertinent accounted category (i.e. afforested land and managed forest land). Estimates for HWP are provided separately in accordance with Regulation 2018/841 Annex IV A.(d): the reference level shall include the carbon pool of harvested wood products, thereby providing a comparison between assuming instantaneous oxidation and applying the first-order decay function and half-life values.
- (10) Emissions to be denoted as positive values (+), removals as negative values (-).

Table 2: Information on emissions and removals from natural disturbances $^{\scriptscriptstyle{(1)}}$

	IDEN/TH	ELCATION OF	AREA SUB NATURAL DIS IN THE YEAR V FIRST RE	TURBANCES WHEN IT WAS				AREAS SU ISTURBAN					ACCOU! QUANT	
Identification code of geographic location ⁽²⁾	NATURAL	FICATION OF DISTURBANCES EVENT	Area subject to natural disturbances in the year when it was first	Area subject to natural disturbances in the	Total e	emissior (4)	ıs	Salvage Logging (5)	Emission s from natural disturba nces	Background level	Margin (7)	Trigger test ⁽⁸⁾	Emissions in inventory year that can be exluded in the inventory year	Subsequent removals in inventory year (10)
			reported	inventory year	CO ₂	СН4	N ₂ O		(6)				Emissions	Removals
	Year of natural disturbances	Disturbance type	(kh	a)		CO ₂ eq)	1120	(kt C	O ₂ eq)	(kt CO ₂	eq)	(Yes/No)	(kt CO	
Total for 2021 natural disturbances (11), (12)	Year: 2021	Total for 2021 natural disturbances (11), (12)												
Total for 2022 natural disturbances (11), (12)	Year: 2022	Total for 2022 natural disturbances (11), (12)												
Total for 2023 natural disturbances (11), (12)	Year: 2023	Total for 2023 natural disturbances (11), (12)												
Total for 2024 natural disturbances (11),	Year: 2024	Total for 2024 natural disturbances (11), (12)												
Total for 2025	Year: 2025	Total for 2025												

natural	natural						
disturbances (11),	disturbances (11), (12)						l .
(12)							l .

Documentation box

Parties shall provide detailed explanation on how the subsequent removals to be excluded from accounting are calculated in relevant annex of the NIR. Use this documentation box to provide references to relevant sections of the NIR if any additional details are needed to understand the content of this table.

Documentation box

- (1) Reporting in this Table is required by Member States, who apply the provision to exclude emissions from natural disturbances in accordance with Article 10 of Regulation (EU) 2018/841
- (2) Geographic location refers to the boundaries of the areas that encompass the lands subject to natural disturbances on Afforested Land and Managed Forest Land, separately. Information shall, as appropriate, be provided in the documentation box. Consideration of the need for geographically explicit data shall be made, in accordance with Part 3 of Annex V of Regulation (EU) 2018/1999.
- (3) Year when the natural disturbance took place.
- (4) The Member State shall report here emissions from natural disturbances. The values reported here should, as a minimum, be consistent with international reporting requirements, e.g. under the Paris Agreement. Regardless of the method used to estimate carbon stock changes, the Member State shall, as appropriate, provide information in the NIR on how CO₂ emissions from natural disturbances were singled out.
- (5) Emissions from salvage logging in the inventory year (information on how emissions from salvage logging have been estimated should be provided in the NIR).
- (6) Emissions reported here shall not include salvage logging emissions.
- (7) Information on the calculation of the background level and the margin should be provided in the NIR, including any recalculations made to the background level and the margin to maintain methodological consistency with the reported emissions.
- (8) If emissions from natural disturbances exceed the background level plus the margin, if a margin is needed, this cell should report "yes".
- (9) Emissions that can be excluded from the accounting in the inventory year equal "emissions from natural disturbances" minus the "background level".
- (10) Member States shall document in the document box below, and in the NIR, how the subsequent removals to be excluded from accounting are calculated. Member States shall also document that the methodology used is consistent with that used for the background level and margin, if applied. Member States shall indicate in the documentation box where this information can be found in the NIR.
- (11) Disturbances shall be listed by year and type of disturbance (in this order, totals by year of natural disturbances to be included). Multiple natural disturbances events of the same type, such as fires due to a severe drought period, can be grouped provided that all relevant information is provided in the NIR or annexes to the NIR. Also in the case that an area is subject to multiple types of disturbances, additional information on how double-counting of emissions and removals is avoided should be provided in the NIR. Also in the case that the area is subject to

disturbances in multiple years, additional information on how double counting of emissions and removals from these areas is avoided should be provided in the NIR.

(12) Member States shall report emissions from natural disturbances that occurred in the inventory year. Member States may also report delayed emissions from natural disturbances that have occurred in previous years, if consistent with the methodology used in the calculation of the background level.'

ANNEX V

'ANNEX XXII

Schedule and procedure for carrying out the comprehensive review pursuant to Article 30

Secretarial tasks referred to in Article 30(2):

- preparing the work plan for the comprehensive review (or "review");
- compiling and providing the information necessary for the work of the technical experts review team;
- coordinating the review activities as set out in this Regulation, including the communication between the technical experts review team and the designated contact person or persons of the Member State under review, as well as making other practical arrangements;
- monitoring the progress of the review and informing Member States about cases where Member States' greenhouse gas inventories present significant issues within the meaning of Article 31, in consultation with the Commission;
- compiling, quality controlling and editing the draft and final review reports and communicating them to the Member State concerned and to the European Commission.

Checks referred to in Article 30:

- detailed examination of the inventory estimates including methodologies used by the Member State in the preparation of inventories;
- detailed analysis of the Member State's implementation of recommendations related to improving inventory estimates as listed in its most recent UNFCCC annual review report made available to that Member State before the submission under review where recommendations have not been implemented;
- detailed analysis of the justification provided by the Member State for not implementing them;
- detailed assessment of the time series consistency of the greenhouse gas emissions estimates;
- detailed assessment whether the recalculations made by a Member State in the given inventory submission as compared to the previous one are transparently reported and made in accordance with the greenhouse gas inventory guidelines;
- follow-up on the results of the initial checks and on any additional information submitted by the Member State under review in response to questions from the technical experts review team and other relevant checks;
- other relevant checks complementing the initial checks.

Details of technical corrections pursuant to Article 31:

- only technical corrections of emission estimates outside the LULUCF sector and necessary technical corrections of accounted LULUCF emissions and removals shall be included in the review report referred to in Article 32 of this Regulation, accompanied by evidence based justification. During the review in 2027, technical corrections shall cover the emissions and removals in the years 2021-2025 and the LULUCF accounting period 2021-2025;
- during the review in 2032, technical corrections shall cover the emissions and removals in the years 2026-2030 and the LULUCF accounting period 2026-2030.
- in case a technical correction of an emission estimate outside the LULUCF sector exceed the threshold of significance for at least one year of the inventory under review but not for all the years of the time series, the technical correction shall be calculated for all the other years under review in order to ensure time series' consistency.

Table: Schedule for the 2025, 2027 and 2032 comprehensive reviews referred to in Article 34

Activity	Task description	Timing
Preparation of review material for the 2025, 2027 and 2032 comprehensive inventory reviews	Material for the 2025, 2027 and 2032 comprehensive inventory reviews shall be prepared based on 15 April submissions of the Member States.	15 April — 25 April
Desk based review and communication of questions to Memeber States	The technical expert review team (TERT) shall perform checks and compile questions to Member States based on 15 April submissions of the Member States. Questions shall be sent to Member States.	25 April— 13 May
Response to desk-review questions	Member States shall respond to the TERT's questions from the desk based review.	13 May — 27 May
Centralised review and communication of additional questions to Member States	The TERT shall meet to discuss responses from Member States, identify cross-cutting issues, ensure consistency of findings across Member States, agree upon recommendations, prepare potential technical corrections, etc. Additional questions shall be identified and sent to the Member States.	One week in the time period 25 May — 15 June
Response to additional questions and potential technical corrections	Member States shall provide answers to additional questions and potential cases of technical corrections during the centralised review.	During the centralised review

Activity	Task description	Timing
Communication of draft technical corrections	Draft technical corrections shall be sent to Member States.	One day after the end of the centralised review
Response to draft technical corrections	Member States shall respond to draft technical corrections or provide revised estimates.	15 days after the end of the centralised review
Compilation of draft review reports	The TERT shall compile draft review reports, including any unresolved issues and draft recommendations and, where applicable, details and justification for draft technical corrections.	21 days after the end of the centralized review
Potential in-country visit	In exceptional cases, where significant quality issues continue to exist in the inventories reported by Member States or the TERT is unable to resolve questions, an ad-hoc country visit may be undertaken.	29 June — 9 August
Communication of draft review reports to Member States	Draft review reports shall be sent to Member States	21 days after the end of the centralised review
Comments to draft review reports	Member States shall provide comments on the draft review reports, mentioning any comments they wish to include in the final review report.	40 days after receipt of the draft review report
Finalisation of review reports	Informal communication with Member States to follow up any outstanding issues if needed. The TERT shall finalise the review reports. The review reports shall be quality checks and edited.	75 days after the end of the centralised review
Submission of Final Review Reports	The final review reports shall be sent to the Commission and to the Member States.	83 days after the end of the centralised review

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ANNEX VI

'ANNEX XXV

Reporting on national projections pursuant to Article 38

Table 1a: Greenhouse gas projections by gases and categories (1)

Category (2)	unspe				s, PFCs,		Total	GНG e	mission	s (kt CC) 2 -eq)		E	TS emis	ssions (l	st CO2-	eq) ⁽⁴⁾		ESR emissions (kt CO ₂ -eq) ⁽⁵⁾						
	Year								Y	ear						Year					7	Year			
	projection base year (6) t-5 (7) t t t t t+10 t+15 projection					projection base year	t-5	t	t+5	t+10	t+15	projection base year	t-5	t	t+5	t+10	t+15	projection base year	t-5	t	t+5	t+10	t+15		
Total excluding LULUCF																									
Total including LULUCF																									
1. Energy																									
A. Fuel combustion																									
1. Energy industries																									
a. Public electricity and heat production																									

b. Petroleum refining											
c. Manufacture of solid fuels and other energy industries											
2. Manufacturing industries and construction											
3. Transport											
a. Domestic aviation											
b. Road transportation											
c. Railways											
d. Domestic navigation											
e. Other transportation											
4. Other sectors											
a. Commercial / Institutional											
b. Residential											
c. Agricultur e/ Forestry/ Fishing											
5. Other											
B. Fugitive emissions from fuels											

1.0.111.0.1												
1. Solid fuels												
2. Oil and natural gas and other emissions from energy production												
C. CO ₂ transport and storage												
2. Industrial processes												
A. Mineral Industry												
of which 2.A.1 (cement production)												
B. Chemical industry												
C. Metal industry												
of which 2.C.1 (Iron and steel production)												
D. Non-energy products from fuels and solvent use												
E. Electronics industry												
F. Product uses as substitutes for ODS ⁽⁸⁾												
G. Other product manufacture and use												
H. Other												
3. Agriculture												
A. Enteric fermentation												

B. Manure management		 	 			 	 	 	 	 	 	
C. Rice cultivation												
D. Agricultural soils												
E. Prescribed burning of savannahs												
F. Field burning of agricultural residues												
G. Liming												
H. Urea application												
I. Other carbon- containing fertilizers												
J. Other (please specify)												
4. Land Use, Land-Use Change and Forestry (LULUCF, reported emissions and removals) (9)												
A. Forest land												
B. Cropland												
C. Grassland												
D. Wetlands												
E. Settlements												
F. Other Land												
G. Harvested wood products												
H. Other												
I Atmospheric												

deposition												
J Nitrogen leaching and run-off												
5. Waste												
A. Solid Waste Disposal												
B. Biological treatment of solid waste												
C. Incineration and open burning of waste												
D. Wastewater treatment and discharge												
E. Other (please specify)												
Memo items												
International bunkers												
Aviation												
Navigation												
CO ₂ emissions from biomass												
CO ₂ captured												
Indirect CO ₂ (if available) ⁽¹⁰⁾												

- (1) Consistency with the data reported under Article 8 of this Regulation is encouraged.
- (2) Use of notation keys: as regards the terms of use defined in the 2006 IPCC Guidelines for National Greenhouse Gas Inventories (chapter 8: reporting guidance and Tables), the notation keys of IE (included elsewhere), NO (not occurring), C (confidential) and NA (not applicable) may be used, as appropriate when projections do not yield data on a specific reporting level (see 2006 IPCC Guidelines).

The use of the notation key NE (Not Estimated) shall be restricted to the situation where a disproportionate amount of effort would be required to collect data for a category or a gas from a specific category that would be insignificant in terms of the overall level and trend in national emissions. In these circumstances a Member State shall list all categories and gases from categories excluded on these grounds, together with a justification for exclusion in terms of the likely level of emissions or removals and identify the category as 'not estimated' using the notation key 'NE' in the reporting Tables.

- (3) Unspecified mix of HFCs and PFCs is to be reported only if emissions are projected, for which it is not possible to report them under HFCs or under PFCs.
- (4) Emissions in the scope of Directive 2003/87/EC.
- (5) Emissions in the scope of Regulation (EU) 2018/842.
- (6) It shall be reported to which inventory submission (year, version) the base year was calibrated.
- (7) Values for t-5 shall only be provided when t-5 is after the projection base year.
- (8) ODS ozone depleting substances.
- (9) For the purposes of reporting, the signs for removal shall always be negative (-) and the signs for emissions shall be positive (+). If the information requested in Table 1b is provided in full, this section does not need to be reported.
- (10) Projected indirect CO₂ emissions reported in this Table are part of the projected total greenhouse gas emissions (excluding and including LULUCF) and shall be reported as such if available and projected separately from the other reported emissions.

Table 1b: Projections of reported greenhouse gas emissions and removals in the LULUCF sector as reported in the national greenhouse gas inventory (to be reported on if Table 5a is not completed in full) (1)(2)

Part 1: LULUCF GHG emissions and	removals on inventory a	nd accounting category matching level			separa CO2, C (kt C	CH4,	N ₂ O			Tot			emissi -eq)	ons	
Greenhouse gas source and sink categories	Category as used in Table 1a	LULUCF Regulation Accounting subcategory (as Table 5a)	LULUCF Regulation Accounting category	projection base year	t-5	t	t+5	t+1 0	t+1 5	projectio n base year	t-5	t	t+5	t+1 0	t+1 5
4.A.1. Forest land remaining forest land	4.A Forest land	Forest land remaining forest land	Managed forest land												
4.A.2.1 Cropland converted to forest land	4.A Forest land	Cropland converted to forest land	Afforested land												
4.A.2.2 Grassland converted to forest land	4.A Forest land	Grassland converted to forest land	Afforested land												
4.A.2.3 Wetlands converted to forest land	4.A Forest land	Wetland converted to forest land	Afforested land												
4.A.2.4 Settlements converted to forest land	4.A Forest land	Settlements converted to forest land	Afforested land												
4.A.2.5 Other land converted to forest land	4.A Forest land	Other land converted to forest land	Afforested land												
4.B.1. Cropland remaining cropland	4.B. Cropland	Cropland remaining cropland	Managed cropland												
4.B.2.1 Forest land converted to cropland	4.B. Cropland	Forest land converted to cropland	Deforested land												
4.B.2.2 Grassland converted to cropland	4.B. Cropland	Grassland converted to cropland	Managed cropland												
4.B.2.3 Wetlands converted to cropland	4.B. Cropland	Wetland converted to cropland	Managed cropland												
4.B.2.4 Settlements converted to cropland	4.B. Cropland	Settlements converted to cropland	Managed cropland												

4.B.2.5 Other land converted to cropland	4.B. Cropland	Other land converted to cropland	Managed cropland					
4.C.1. Grassland remaining grassland	4.C. Grassland	Grassland remaining grassland	Managed grassland					
4.C.2.1 Forest land converted to grassland	4.C. Grassland	Forest land converted to grassland	Deforested land					
4.C.2.2 Cropland converted to grassland	4.C. Grassland	Cropland converted to grassland	Managed grassland					
4.C.2.3 Wetlands converted to grassland	4.C. Grassland	Wetland converted to grassland	Managed grassland					
4.C.2.4 Settlements converted to grassland	4.C. Grassland	Settlements converted to grassland	Managed grassland					
4.C.2.5 Other Land converted to grassland	4.C. Grassland	Other land converted to grassland	Managed grassland					
4.D.1. Wetlands remaining wetlands	4.D. Wetlands	Wetland remaining wetland	Managed wetland					
4.D.2.1.1 Forest land converted to peat extraction	4.D. Wetlands	Forest land converted to wetland	Deforested land					
4.D.2.1.2 Cropland converted to peat extraction	4.D. Wetlands	Cropland converted to wetland	Managed cropland					
4.D.2.1.3 Grassland converted to peat extraction	4.D. Wetlands	Grassland converted to wetland	Managed grassland					
4.D.2.1.4 Settlements converted to peat extraction	4.D. Wetlands	Settlement converted to wetland	Managed wetland					
4.D.2.1.5 Other land converted to peat extraction	4.D. Wetlands	Other land converted to wetland	Managed wetland					
4.D.2.2.1 Forest land converted to flooded land	4.D. Wetlands	Forest land converted to wetland	Deforested land					
4.D.2.2.2 Cropland converted to flooded land	4.D. Wetlands	Cropland converted to wetland	Managed cropland					
4.D.2.2.3 Grassland converted to flooded land	4.D. Wetlands	Grassland converted to wetland	Managed grassland					
4.D.2.2.4 Settlements	4.D. Wetlands	Settlement converted to wetland	Managed					

converted to flooded land			wetland					
4.D.2.2.5 Other land converted to flooded land	4.D. Wetlands	Other land converted to wetland	Managed wetland					
4.D.2.3.1 Forest land converted to other wetlands	4.D. Wetlands	Forest land converted to wetland	Deforested land					
4.D.2.3.2 Cropland converted to other wetlands	4.D. Wetlands	Cropland converted to wetland	Managed cropland					
4.D.2.3.3 Grassland converted to other wetlands	4.D. Wetlands	Grassland converted to wetland	Managed grassland					
4.D.2.3.4 Settlements converted to other wetlands	4.D. Wetlands	Settlement converted to wetland	Managed wetland					
4.D.2.3.5 Other land converted to other wetlands	4.D. Wetlands	Other land converted to wetland	Managed wetland					
4.E.1. Settlements remaining settlements	4.E. Settlements	not accounted for under Regulation (EU)	2018/841					
4.E.2.1 Forest land converted to settlements	4.E. Settlements	Forest land converted to settlements	Deforested land					
4.E.2.2 Cropland converted to settlements	4.E. Settlements	Cropland converted to settlements	Managed cropland					
4.E.2.3 Grassland converted to settlements	4.E. Settlements	Grassland converted to settlement	Managed grassland					
4.E.2.4 Wetlands converted to settlements	4.E. Settlements	Wetland converted to settlement	Managed wetland					
4.E.2.5 Other land converted to settlements	4.E. Settlements	not accounted for under Regulation (EU)	2018/841					
4.F.1. Other land remaining other land	4.F. Other land	not accounted for under Regulation (EU)	2018/841					
4.F.2.1 Forest land converted to other land	4.F. Other land	Forest land converted to other land	Deforested land					
4.F.2.2 Cropland converted to other land	4.F. Other land	Cropland converted to other land	Managed cropland					
4.F.2.3 Grassland converted to other land	4.F. Other land	Grassland converted to other land	Managed grassland					

4.F.2.4 Wetlands converted to other land	4.F. Other land	Wetland converted to other land	Managed wetland						
4.F.2.5 Settlements converted to other land	4.F. Other land	not accounted for under Regulation (EU)	2018/841						
4.G Harvested wood products; thereof: Harvested wood products from managed forest land	4.G. Harvested wood products	Harvested wood products from managed forest land	Harvested wood products						
4.G Harvested wood products; thereof: Harvested wood products from afforested land	4.G. Harvested wood products	Harvested wood products from afforested land	Harvested wood products						
4.G Harvested wood products; thereof: Harvested wood products from deforested land	4.G. Harvested wood products	not accounted for under Regulation (EU)	2018/841						
4.G Harvested wood products; thereof: Harvested wood products from other land	4.G. Harvested wood products	not accounted for under Regulation (EU)	2018/841						
4.H. Other (please specify)	4.H. Other	not accounted for under Regulation (EU)	2018/841						

Table 1b Part 2: summary for Table 1a	a (automatically calculat	ted)												
			CO ₂ , C	separa H4, N	ately 2O (for kt CC) 2-eq)		Total G eq)	HG	emis	sions	(kt	CO ₂ -
	Greenhouse gas source and sink categories (as Table 1a)		projection base year	t-5	t	t+5	t+1 0	t+1 5	projectio n base year	t-5	t	t+5	t+1 0	t+1 5
	4.A. Forest land													
	4.B. Cropland													
	4.C. Grassland													
	4.D. Wetlands													
	4.E. Settlements													
	4.F. Other land													
	4.G. Harvested wood products													
	4.H. Other													

Table 1b Part 3: summary for Table 5a (automatically calculated)

	CO ₂ , C	separa H4, N) 2-eq)		Total G	SHG	emi	ssions	(kt	CO ₂ -
LULUCF Regulation Accounting category	projection base year	t-5	t	t+5	t+1 0	t+1 5	projectio n base year	t-5	t	t+5	t+1 0	t+1 5
Sum afforested land												
Sum deforested land												
Sum managed cropland												
Sum managed												

grassland						
Sum managed forest land						
Sum managed wetland						
Sum harvested wood products						
Sum unaccounted						

- (1) A reporting up to t-10 on yearly basis is optional.
- (2) Emissions shall be expressed as positive values; removals shall be expressed as negative values.
- (3) Values for t-5 shall only be provided when t-5 is after the projection base year.

Table 2: Indicators to monitor and evaluate projected progress of policies and measures, if used

Indicator (1)/	11:4	Guidance/definition	Guidance/	Indicator used	With	n exist	ing mea	isures		With	addi	itional n	neasures	
numerator/denominator	Unit	Guidance/definition	source	(Yes / No)	Base year	t	t+5	t+10	t+15	Base year	t	t+5	t+10	t+15
Carbon Intensity of the overall economy	tCO2eq/GDP	EUR (2016); Carbon intensity to be calculated with GDP as defined by Eurostat	1											
GHG intensity of domestic power and heat generation	tCO ₂ /MWh	MWh of gross electricity and heat generation as defined by Eurostat												
GHG intensity of final energy consumption by sector														
Industry	tCO ₂ eq/toe													
Residential	tCO ₂ eq/toe													
Tertiary	tCO2eq/toe													
Transport	tCO2eq/toe													
Passenger transport (when available)	tCO ₂ eq/toe													
Freight transport (when available)	tCO2eq/toe													
Add a line for each other indicator														

(1) Please add a row per indicator used in the projections.

Table 3: Reporting on parameters / variables for projections, if used (1)(2)

Parameter used existing measures	(3) ('with scenario)		Year			Val	lues							;	Sector	al proj	jection	ns for	which	n the p	oaram	eter is	sused	(6)	
		Parameter / variable part of projections (6)	Base=Reference year	Base=Reference year	t- 5	1	t + 5	t + 10	t + 15	Default unit	Data source	Year of publication of data source	Year of publication of data source	1 A:1 Energy industries	1:A:2 Manufacturing industries and construction	1:A:3 Transport excluding 1:A:3:a domestic aviation	1:A:4:a Commercial=institutional	1:A:4:b Residential	1B Fugitive emissions from fuels	2 Industrial Processes and product use	3 Agriculture	4 LULUCF	5 Waste	International Aviation in the EU ETS	Comment for guidance
1. General par and variable																									
Population										Count															
Gross domestic product (GDP)	Real growth rate									%															EUR (2016) ⁽⁸⁾
	Constant prices									EUR million															EUR (2016)
Gross value add total	led (GVA)-									EUR million															EUR (2016)
Gross value adde agriculture	ed (GVA) -									EUR															EUR (2016)

			million							
Gross value added (GVA)-construction			EUR million							EUR (2016)
Gross value added (GVA) - services			EUR million							EUR (2016)
Gross value added (GVA) – energy sector			EUR million							EUR (2016)
Gross value added (GVA) – industry			EUR million							EUR (2016)
Number of households			Thousand s							
Household size			inhabitants / household							
Disposable income of households			EUR / year							
Number of passenger-kilometres (all modes)			million pkm							
Number of passenger- kilometres – road			million pkm							
Of which public road transport			million pkm							
Of which private cars			million pkm							
Of which motorcycles			million pkm							

Of which buses			million pkm							
Number of passenger- kilometres – rail			million tkm							
Number of passenger- kilometres – domestic aviation			million tkm							
Number of passenger- kilometres – international aviation			million tkm							
Number of passenger- kilometres – domestic navigation			million tkm							
Freight transport tonnes-kilo- metres (all modes)			million tkm							
Freight transport tonnes- kilometres - road			million tkm							
Freight transport tonnes-kilometres - rail			million tkm							
Freight transport tonnes- kilometres – domestic aviation			million tkm							
Freight transport tonnes- kilometres – international aviation			million tkm							
Freight transport tonnes- kilometres – domestic navigation (inland waterways and national maritime)			million tkm							
International (wholesale) fuel			either EUR/GJ							EUR (2016); Indicate if Commission recommendation has been

import prices							or EUR/toe									followed; for calorific values use values published by Eurostat
Cruo	de Oil						either EUR/GJ									EUR (2016); Indicate if Commission recommendation has been
							or EUR/toe									followed
Natu gas							either EUR/GJ									EUR (2016); Indicate if Commission recommendation has been
							or EUR/toe									followed; for calorific values use values published by Eurostat
EU ETS carbon price							EUR/EUA									EUR (2016); Indicate if Commission recommendation has been followed
Exchange rates EUR non- EURO countri applicable	RO (for ries), if						EUR/ currency									EUR (2016)
Exchange rates DOLLAR, if applicab	US						USD/ currency									USD (2016)
Number of heating days (HDD)	degree						Count									
Number of cooling days (CDD)	degree						Count									
2. Energy balances a indicators	and	•	•	1	•	,	•	 •		1	1	•	•	,		for calorific values use values published by Eurostat
2.1 Energy supply								 	 							

Indigenous Production by fuel type (total)					ktoe									
Solids					ktoe									
Oil					ktoe									
Natural gas					ktoe									
Nuclear					ktoe									
Renewable energy sources					ktoe									
Waste and other					ktoe									
Net imports Electricity					ktoe									
Gross inland consumption by fuel type source (total)					ktoe									
Solid fossil fuels					ktoe									
Crude oil and petroleum products					ktoe									
Natural gas					ktoe									
Nuclear energy					ktoe									
Electricity					ktoe									
Derived heat					ktoe									
Renewables					ktoe									
Waste					ktoe									
Other					ktoe									
2.2 Electricity and heat		•						 u.			 l l	•	•	
Gross electricity generation (total)					GWh									

	1 1			 1	1			-	-				1	T
Nuclear energy				GWh										
Solids				GWh										
Oil (incl. refinery gas)				GWh										
Natural gas (including derived gases)				GWh										
Renewables				GWh										
Other fuels (hydrogen, methanol)				GWh										
Heat generation from thermal power generation				GWh										
Heat generation from combined heat and power plants, including industrial waste heat				GWh										
2.3 Transformation sector	I	ı.	l .			I	I		I	l	ı	I		
Fuel inputs to thermal power generation				ktoe										
Solids				ktoe										
Oil				ktoe										
Gas				ktoe										
Fuel inputs to other conversion processes				ktoe										
2.4 Energy consumption	• 1	l		 •				ll	I	I	l			

Final energy consumption				ktoe								
Solids				ktoe								
Oil				ktoe								
Gas				ktoe								
Electricity				ktoe								
Derived heat				ktoe								
Renewable energy				ktoe								
Thereof ambient heat				ktoe								
Other				ktoe								
Industry				ktoe								
Solids				ktoe								
Oil				ktoe								
Gas				ktoe								
Electricity				ktoe								
Heat				ktoe								
Renewable energy				ktoe								
Other				ktoe								
Residential				ktoe								
Solids				ktoe								
Oil				ktoe	_							

Cas
Heat ktoe Renewable energy ktoe Other ktoe Tertiary ktoe Solids ktoe Oil ktoe Gas ktoe Electricity ktoe Heat ktoe Renewable ktoe
Renewable energy ktoe Image: contract of the property
energy ktoe Other ktoe Tertiary ktoe Solids ktoe Oil ktoe Gas ktoe Electricity ktoe Heat ktoe Renewable ktoe
Tertiary
Solids
Oil ktoe Gas ktoe Electricity ktoe Heat ktoe Renewable ktoe
Gas ktoe Electricity ktoe Heat ktoe Renewable ktoe
Electricity ktoe had been seen as a
Heat ktoe ktoe ktoe
Renewable ktoe
Other ktoe l
Agriculture/ Forestry ktoe
Transport ktoe l
Solids ktoe l
Oil ktoe l
Gas ktoe
Electricity ktoe ktoe
Heat ktoe ktoe
Renewable energy ktoe

Electricity prices by type of using sector Residential EUR(MW h) EUR (2016) Industry EUR(MW h) EUR (2016) Tertiary EUR(MW h) EUR (2016) National retail fuel prices (including taxes, per source and sector) Coal, industry EUR/ktoe EUR/ktoe EUR (2016) Coal, house-holds		1 1		1 1		1								1	1			
passenger transport (when available) thereof freight transport (when available) thereof international aviation Other Final non-energy consumption 2.5 Prices Electricity prices by type of using sector Residential EUR(MW) Industry EUR(AUW) EUR(MW) B Various Fettiary EUR(MW) B Various Fettiary EUR(MW) B EUR(MW) B EUR(MW) B EUR(MW) B EUR (2016)	Other						ktoe											
transport (when available) thereof international aviation Other Final non-energy consumption 2.5 Prices Electricity prices by type of using sector Residential Industry EUR(MW h) EUR (2016) Tertiary EUR(MW h) National retail fuel prices (including taxes, per source and sector) Coal, industry EUR/ktoe EUR/ktoe EUR/ktoe EUR/ktoe EUR (2016)	passenger transport (when						ktoe											
international aviation Other Final non-energy consumption 2.5 Prices Electricity prices by type of using sector Residential Industry EUR (2016) EUR (2016) EUR (2016) Partiary EUR (2016) National retail fuel prices (including taxes, per source and sector) Coal, industry EUR (2016) EUR/ktoe EUR/ktoe EUR (2016) EUR (2016) EUR (2016)	transport (when						ktoe											
Final non-energy consumption 2.5 Prices Electricity prices by type of using sector Residential EUR(MW h) EUR (2016) Industry EUR(MW h) EUR (2016) Tertiary EUR(MW h) EUR (2016) National retail fuel prices (including taxes, per source and sector) Coal, industry EUR/ktoe EUR (2016) Coal, house-holds EUR/ktoe EUR (2016) EUR (2016) EUR (2016) EUR (2016) EUR (2016) EUR (2016) EUR (2016) EUR (2016) EUR (201	international																	
Consumption 2.5 Prices Electricity prices by type of using sector Residential Residential EUR(MW h) Industry EUR(MW h) EUR(2016) EUR (2016)	Other						ktoe											
Electricity prices by type of using sector Residential EUR(MW h) EUR (2016) Industry EUR(MW h) EUR (2016) Tertiary EUR(MW h) EUR (2016) National retail fuel prices (including taxes, per source and sector) Coal, industry EUR/ktoe EUR/ktoe EUR (2016) Coal, house-holds							ktoe											
Residential	2.5 Prices			<u> </u>	ı					I	ı	<u> </u>	l	1	I			
Industry BUR(MW h) EUR (2016) Tertiary BUR(MW h) BUR (2016) National retail fuel prices (including taxes, per source and sector) Coal, industry BUR/ktoe BU	Electricity prices by type of using sector																	
Tertiary	Residential																	EUR (2016)
National retail fuel prices (including taxes, per source and sector) Coal, industry Coal, house-holds BUR/ktoe EUR/ktoe EUR/ktoe EUR/ktoe EUR/ktoe EUR/ktoe EUR/ktoe	Industry																	EUR (2016)
prices (including taxes, per source and sector) Coal, industry Coal, house-holds EUR/ktoe EUR/ktoe EUR/ktoe EUR/ktoe EUR/ktoe EUR/ktoe	Tertiary						EUR(MW h)											EUR (2016)
Coal, house-holds EUR/ktoe EUR/ktoe	prices (including taxes, per source and		1	•	1	1	,	ı	1	ı	,	•	1	•	1		1	
holds	Coal, industry						EUR/ktoe											EUR (2016)
							EUR/ktoe											EUR (2016)
Diesel oil,	Diesel oil,						EUR/ktoe											EUR (2016)

industry																	
Diesel oil, households					EU	JR/ktoe											EUR (2016)
Diesel oil, transport					EU	JR/ktoe											EUR (2016)
Diesel oil, transport private (when available)					EU	JR/ktoe											EUR (2016)
Diesel oil, transport public (when available)					EU	JR/ktoe											EUR (2016)
Gasoline, transport					EU	JR/ktoe											EUR (2016)
Gasoline, transport private (when available)					EU	JR/ktoe											EUR (2016)
Gasoline, transport public (when available)					EU	JR/ktoe											EUR (2016)
Natural gas, industry					EU	JR/ktoe											EUR (2016)
Natural gas, households					EU	JR/ktoe											EUR (2016)
3. Non-CO ₂ emission related parameters	•		•	1	•		1	•	'	'	•	•	•	•	'		
3.1 Agriculture																	
Livestock		 			 					 					 		
Dairy cattle						1 000 neads											
Non-dairy cattle						1 000 neads											

					 Г				1				T
Sheep				1 000 heads									
Pig				1 000 heads									
Poultry				1 000 heads									
Nitrogen input from application of synthetic fertilizers				kt nitrogen									
Nitrogen input from application of manure				kt nitrogen									
Nitrogen fixed by N- fixing crops				kt nitrogen									
Nitrogen in crop residues returned to soils				kt nitrogen									
Area of cultivated organic soils				1000 hectares									
3.2 Waste													
Municipal solid waste (MSW) generation				t									
Municipal solid waste (MSW) going to landfills				t									
Share of CH ₄ recovery in total CH ₄ generation from landfills				%									
4. LULUCF	ı	ı	1 1	L	 	l	I						1
4.1 Managed forest land													

Forest harvest removals for energy use			1 000 cubic meters							
Forest harvest removals for non-energy use			1 000 cubic meters							
Forest increment			1 000 cubic meters							
Forest disturbances included in modelling			Yes / No							
Forest land remaining forest land			1000 hectares							
4.2 Afforested land		'				•	•			
Forest harvest removals for energy use			1 000 cubic meters							
Forest harvest removals for non-energy use			1 000 cubic meters							
Forest increment			1 000 cubic meters							
Cropland converted to forest land			1000 hectares							
Grassland converted to forest land			1000 hectares							
Wetlands converted to forest land			1000 hectares							
Settlements converted to forest land			1000 hectares							
Other land converted			1000							

to forest land					hectares										
4.3 Deforested land	•	1		I.	-	u .	•				l U		Į.	L.	
Forest land converted to cropland					1000 hectares										
Forest land converted to grassland					1000 hectares										
Forest land converted to wetlands					1000 hectares										
Forest land converted to settlements					1000 hectares										
Forest land converted to other land					1000 hectares										
4.4 Managed cropland	•	1			-	u .	,	ı			l l		Į.	<u>u</u>	
Cropland, remaining cropland					1000 hectares										
Grassland, wetland, settlement or other land converted to cropland					1000 hectares										
Cropland converted to wetland, settlement or other land (excl. forest land)					1000 hectares										
4.5 Managed grassland	•	ı	<u> </u>	I		1			ı		l l				
Grassland remaining grassland					1000 hectares										

Cropland, wetland, settlement or other land, converted to grassland				1000 hectares									
Grassland converted to wetland, settlement or other land				1000 hectares									
4.6 Managed wetland	<u> </u>		1	•	1	I	l l	U.		I.	u.	Į.	
Wetland remaining wetland				1000 hectares									
Settlement or other land, converted to wetland				1000 hectares									
Wetland converted to settlement or other land				1000 hectares									
4.7 Harvested wood products													
Gains of Harvested wood products ⁽⁴⁾				kt C									
Losses of Harvested wood products ⁽⁴⁾				kt C									
Half-life of Harvested wood products ⁽⁵⁾				years									
5. Other parameters and variables													
Technology cost assumptions used for main relevant technologies:													
Add row for each relevant technology													
Add row for each other relevant parameter													

- (1) Please add a row per country-specific parameter used in the projections at the end of the Table. Note that this includes the term 'variables' because some of the parameters listed can be variables for certain projection tools used, depending on the models used.
- (2) Only those parameters / variables need to be reported that are part of the projections, either input or output.
- (3) Use of notation keys: the notation keys of IE (included elsewhere), NO (not occurring), C (confidential), NA (not applicable), and NE (Not estimated/Not used) may be used, as appropriate. The use of the notation key NE (Not estimated) is for cases where the suggested parameter is neither used as a driver nor reported along with the Member States Projections. Notation: t signifies the first future year ending with 0 or 5 immediately following the reporting year.
- (4) May include harvested wood products from managed forest land and afforested land.
- (5) Please specify the types of harvested wood products in the rows below (under 'Add row for each other relevant parameter').
- (6) To be filled with Yes/No.
- (7) Please specify additional different values for parameters used in different sector models.
- (8) Any update of this base year for expressing monetary values shall be part of the recommendations by the Commission on harmonised values for key supra-nationally determined parameters under Article 38(3) of this Regulation.

Table 4: Model Factsheet

Model name (abbreviation)	
Full model name	
Model version and status	
Latest date of revision	
URL to model description	
Model type	
Summary	
Intended field of application	
Description of main input data categories and data sources	
Validation and evaluation	
Output quantities	
GHG covered	
Sectoral coverage	
Geographical coverage	
Temporal coverage (e.g. time steps, time span)	
Other models which interact with this model, and type of interaction (e.g. data input to this model, use of data output from this model)	
Input from other models	
References to the assessment and the technical reports that underpin the projections and the models used	

Model structure (if diagram please add to the template)	
Comments or other relevant information	

Notes:

Member States may reproduce this Table to report details of individual models or sub-models which have been used to create GHG projections.

Table 5a: Projections of reported emissions and removals from the LULUCF sector by gases and accounting categories as defined in Regulation (EU) 2018/841 (to be reported only if Table 1b is not completed in full)

Category		CO ₂ (kt)				CH ₄ (kt)						N ₂ O(kt)					Total GHG emissions (kt CO ₂ -eq)							
	projection base year	t-5 (2)	t	t+5	t+10	t+15	projection base year	t-5	t	t+5	t+10	t+15	projection base year	t-5	t	t+5	t+10	t+15	projection base year	t-5	t	t+5	t+10	t+15
Managed forest land																								
Forest land remaining forest land																								
Afforested land																								
Cropland converted to forest land)																							
Grassland converted to forest land)																							
Wetland converted to forest land)																							
Settlements converted to forest land)																							
Other land converted to forest land)																							
Deforested land																								
Forest land converted to cropland																								
Forest land converted to grassland)																							

Forest land converted to wetland												
Forest land converted to settlements												
Forest land converted to other land)											
Managed cropland												
Cropland remaining cropland												
Grassland converted to cropland)											
Wetland converted to cropland)											
Settlements converted to cropland												
Other land converted to cropland)											
Cropland converted to wetland)											
Cropland converted to settlements)											
Cropland converted to other land)											
Managed grassland												
Grassland remaining grassland												
Cropland converted to grassland)											
Wetland converted to)											

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Table 5b: Projections of emissions and removals from the LULUCF sector in accordance with Regulation (EU) 2018/841 and the effort sharing sector in accordance with Regulation (EU) 2018/842 $^{(1)(2)}$

Category	2021-2025	2026-2029	2030
	Total cumulative emissions/removals (kt CO ₂ -eq)	Total cumulative emissions/removals (kt CO ₂ -eq)	Total cumulative emissions/removals (kt CO ₂ -eq)
Effort Sharing Sectors (3)			-
LULUCF: Afforested land			
LULUCF: Deforested land			
LULUCF: Managed cropland			
LULUCF: Managed grassland			
LULUCF: Managed forest land, including harvested wood products			
LULUCF Managed forest land, including harvested wood products assuming instantaneous oxidation			
LULUCF: Managed wetland (5)			
Total			

- (1) The accounting categories for LULUCF are defined in Regulation (EU) 2018/841.
- (2) Accounted LULUCF emissions for Managed Forest Land are reported emissions/removals in comparison to a reference level, computed in accordance with Article 8 of Regulation (EU) 2018/841. Reporting such accounted values is only mandatory when applying to Forest reference levels as set out in the delegated act adopted pursuant to Article 8(8) and 8(9) of Regulation (EU) 2018/841, for the given time-span (2021-2025)
- (3) Emissions within the scope of Regulation (EU) 2018/842.
- (5) Member States not intending to select this category for accounting in the 2021-2025 period shall use the notation key "not selected" for that period.

Table 6: Results of the sensitivity analysis (to be submitted for each sensitivity scenario calculated)

Category	GHG emissions/removals (kt CO ₂ -eq)											
	projection base year	t-5	t	t+5	t+10	t+15						
Total excluding LULUCF												
Total ETS stationary												
Total Effort Sharing												
LULUCF (reported)												
Add rows for other relevant sectors/categories if available												

Table 7: Key parameters that were varied in the sensitivity analysis

(Submit for each sensitivity scenario calculated). Only those parameters are to be filled in that were varied in a specific scenario.

Parameter values in sensitivity scenario			Year			Val	lues				
Parameter values in sensitivity	scenario	Parameter varied (1)	Base=Reference year	Base=Reference year	t- 5	t	t + 5	t + 10	t + 15	Default unit	Comment for Guidance
General parameters and variab	les										
Population										Count	
Gross domestic product (GDP)	Real growth rate									%	
	Constant prices									EUR million	EUR (2016) ⁽²⁾
Gross value added (GV	/A) - total									EUR	EUR (2016)
·										million	Eck (2010)
Gross value added (GV	A) - agriculture									EUR	EUR (2016)
										million	
Gross value added (GV	A) - construction									EUR	EUR (2016)
Gross value added (GVT) construction										million	
Gross value added (GV	A) - services									EUR	EUR (2016)
	•									million	
Gross value added (GV	A) – energy sector									EUR	EUR (2016)
, i										million	(3)

Gross value added (GVA	A) – industry						EUR	EUR (2016)
							million	
International (wholesale) fuel import prices	Coal						EUR/GJ	EUR (2016)
							EUR/toe	EUR (2016)
	Crude Oil						EUR/GJ	EUR (2016)
							EUR/toe	EUR (2016)
	Natural gas						EUR/GJ	EUR (2016)
							EUR/toe	EUR (2016)
EU ETS carbon price							EUR/ EUA	EUR (2016)
Number of heating degree days	(HDD)						Count	
Number of cooling degree days	(CDD)						Count	
Number of passenger-kilometre	s (all modes)						million pkm	
Freight transport tonnes-kilome	tres (all modes						million tkm	
(Add rows for further paramete	rs that were varied)		_	_	_			

Note: add rows at the end of the Table for other parameters varied. Leave those lines empty for which parameters were not varied.

- (1) Indicate with Yes / No.
- (2) Any update of this base year for expressing monetary values shall be part of the recommendations by the Commission on harmonised values for key supra-nationally determined parameters under Article 38(3) of this Regulation.'