

Annex 5: Assessment of completeness and (potential) sources and sinks of greenhouse gas emissions and removals excluded

The Danish greenhouse gas emission inventory due 15 April 2004 includes all sources identified by the Revised IPPC Guidelines except the following (see table A5.1):

- ◆ Waste: Wastewater handling systems are considered to produce only minor emissions of CO₂, CH₄ and N₂O but it will be investigated further.
- ◆ Industrial processes: At present CO₂ emissions from use of limestone, dolomite and soda ash are included in the emissions from glass production. CO₂ emission from sugar production and production of expanded clay will be included in the next submission. CO₂ emissions from use of coke in iron foundries will be included in the next submission.
- ◆ Agriculture: The methane conversion factor for poultry and fur farming is not estimated. There is no default value recommended in IPCC (table A-4 in GPG). The CH₄ emission from manure storage in the field is not estimated. The CH₄ emission from cultivation of organogenic soil is not estimated.

In response to review of previous submissions the use of notation key in the Danish CRF-tables is improved and extended.

Table A5.1 Completeness.

Sources and sinks not reported (NE) ⁽¹⁾				
GHG	Sector ⁽²⁾	Source/sink category ⁽²⁾	Explanation	
CO ₂	Waste	Wastewater handling	Wastewater handling systems are considered to produce only negligible emissions.	
	2. Industrial Processes	Iron, steel and ferroalloys	Consumption of C in iron foundries will be investigated	
	2. Industrial Processes	Limestone, dolomite and soda ash use	CO ₂ emission from sugar production and production of expanded clay will be included in the next submission.	
CH ₄	Waste	Wastewater handling	Wastewater handling systems are considered to produce only minor emissions, to be investigated	
	Agriculture, Enteric fermentation - table 4s1 + table 4.A	Poultry and fur farming	The methane conversion factor for poultry and fur farming is not estimated. There is no default value recommended in IPCC (table A-4 in GPG)	
	Agricultural soils	Direct soil emissions	The CH ₄ emission from manure storage in the field is not estimated	
	Agricultural soils	Indirect emissions	The CH ₄ emission from cultivation of organogenic soil is not estimated	
N ₂ O	Waste	Wastewater handling	Wastewater handling systems are considered to produce only minor emissions, to be investigated	
HFCs				
PFCs				
SF ₆				
Sources and sinks reported elsewhere (IE) ⁽³⁾				
GHG	Source/sink category	Allocation as per IPCC Guidelines	Allocation used by the Party	Explanation
CO ₂	Waste Incineration non biogenic	6.C	1.A1a	Waste Incineration plants are used for energy and heat production and are included in energy statistics
	1A2, Energy, Fuel combustion, Manufacturing industries and construction	1A2a-e	1A2f	Danish energy statistics states energy consumption of manufacturing industry as a whole. Thus all energy consumption of 1A2 is included in 1A2f.
CH ₄	Waste Incineration non biogenic	6.C	1.A1a	Waste Incineration plants are used for energy and heat production and are included in energy statistics
	1A2, Energy, Fuel combustion, Manufacturing industries and construction	1A2a-e	1A2f	Danish energy statistics states energy consumption of manufacturing industry as a whole. Thus all energy consumption of 1A2 is included in 1A2f.
	Agricultural soils, animal production	4s2	4s1	CH ₄ emission calculated in 4s1 under B Manure Management includes emission from animal on grass
N ₂ O	Waste Incineration non biogenic	6.C	1.A1a	Waste Incineration plants are used for energy and heat production and are included in energy statistics
	1A2, Energy, Fuel combustion, Manufacturing industries and construction	1A2a-e	1A2f	Danish energy statistics states energy consumption of manufacturing industry as a whole. Thus all energy consumption of 1A2 is included in 1A2f.
HFCs				
PFCs				
SF ₆				
⁽¹⁾ Please, clearly indicate sources and sinks which are considered in the IPCC Guidelines but are not considered in the submitted inventory. Explain the reason for excluding these sources and sinks, in order to avoid arbitrary interpretations. An entry should be made for each source/sink category for which the indicator "NE" is entered in the sectoral tables.				
⁽²⁾ Indicate omitted source/sink following the IPCC source/sink category structure (e.g. sector: Waste, source category: Wastewater Handling).				
⁽³⁾ Please clearly indicate sources and sinks in the submitted inventory that are allocated to a sector other than that indicated by the IPCC Guidelines. Show the sector indicated in the IPCC Guidelines and the sector to which the source or sink is allocated in the submitted inventory. Explain the reason for reporting these sources and sinks in a different sector. An entry should be made for each source/sink for which the indicator "IE" is used in the sectoral tables.				