



Decision 529 reporting Review of Art.3.2b submissions

Simone Rossi, Giacomo Grassi, Raul Abad Viñas, Tibor Priwitzer
Joint Research Centre

Valeria Forlin
DG CLIMA

Reporting under the Decision 529/2013

What?
When?



Where?
How?

WHAT has to be reported?

Article 3.2a (Decision 529/2013) (Article 39 Regulation 749/2014)

- Reporting requirements on systems in place for estimating and reporting of cropland management and grazing land management
 - a description of the institutional, legal and procedural arrangements made in accordance with the requirements for national systems under the KP and in accordance with the requirements for national arrangements under the UNFCCC reporting guidelines for national greenhouse gas inventories.
 - description of the manner in which the systems implemented are consistent with the methodological requirements of the IPCC report '2013 Revised Supplementary Methods and Good Practice Guidance Arising from the Kyoto Protocol', the '2006 IPCC Guidelines for National Greenhouse Gas Inventories' and, as applicable, with the '2013 Supplement to 2006 IPCC Guidelines for National Greenhouse Gas Inventories: Wetlands

WHAT has to be reported?

Reporting Art. 3.2a – National Systems

Proposed structure

1. General description of the National System
2. Structure of the National System
3. Single National entity with overall responsibility for the national inventory (please specify contact information)
4. Entities and arrangements involved in the different Inventory activities:
 1. Preliminary analysis and Keys category identification
 2. Collection of Activity Data
 3. Selection of methods
 4. Development of local sets of EF and/or parameters (e.g. through research or field experiments)
 5. Estimation of emissions/removals
 6. Uncertainty assessment
 7. Quality Control (QC) activities (during the inventory preparation)
 8. Quality Assessment (QA) activities (review)
 9. Reporting (compilation of NIR, CRF tables, CRF reporter)
 10. Processing/archiving
5. Comments

WHAT has to be reported?

Article 3.2b (Decision 529/2013) (Article 40 Regulation 749/2014)

- Reporting requirements on annual estimates of emissions and removals from cropland management and grazing land management
 - MSs that did not elect CM or GM under the KP shall report **initial, preliminary and non-binding annual estimates of emissions and removals from cropland management or grazing land management** including information for the relevant base year or period.
 - **include explanatory information on methodologies and data used** as required in the national inventory report in accordance with Decision 2/CMP.8 under the Kyoto Protocol and its Annex II.
 - (i.e. The information should follow the structure of the corresponding relevant sections of the KP-LULUCF chapter, in particular:
 - Chapter 11.1 (General information - focus on issues not included in the NIR)
 - Chapter 11.2 (Land-related information - focus on issues not included in the NIR)
 - Chapter 11.3 (Activity-specific information)

WHAT has to be reported?

Separate Annex to the NIR pursuant art 40 (b) of 749/2014 – Methods

Proposed structure

1. General information

1. Definition of Cropland Management and Grazing Land Management
2. Elected activities under Article 3, paragraph 4, of the Kyoto Protocol
3. Description of how the definitions of Cropland Management and Grazing Land Management have been implemented and applied consistently over time
4. Description of precedence conditions and/or hierarchy among Article 3.4 activities, and how they have been consistently applied in determining how land was classified

2. Land-related information

1. Methodology used to develop the land transition matrix
2. Maps and/or database to identify the geographical locations, and the system of identification codes for the geographical locations

3. Activity-specific information

1. Methods for carbon stock changes and GHG emission and removal estimates

4. Information that demonstrates that activities under Cropland Management and Grazing Land Management have occurred since 1 January 1990 and are human induced

1. Key category analysis for Cropland Management and Grazing Land Management

Status of reporting

<i>MS</i>	<i>NIR</i>	<i>CRF_convention</i>	<i>CRF_KP</i>	<i>Information_Dec_529</i>	<i>CRF tables_Dec_529</i>
Austria	x	x	x	x	x
Belgium	x	x	x		x
Bulgaria	x	x	x	x	x
Croatia	x	x	x	x	x
Cyprus	x	x	x		
Czech Republic	x	x	x	x	x
Denmark	x	x	x	x	x
Estonia	x	x	x		x
Finland	x	x	x	x	x
France	x	x	x		
Germany	x	x	x	x	x
Greece	x	x	x	x	x
Hungary	x				
Ireland	x	x	x	x	x
Italy	x	x	x	x	x
Latvia	x	x	x	x	x
Lithuania	x	x	x	x	x
Luxembourg	x	x	x	x	x
Malta		x	x		
Netherlands	x	x	x	x	x
Poland	x	x	x	x	x
Portugal	x	x	x	x	x
Romania	x	x	x	x	x
Slovakia	x	x	x	x	x
Slovenia	x	x	x		
Spain	x	x	x	x	x
Sweden	x	x	x	x	x
UK	x	x	x	x	x
Total	27	27	27	21	23
Iceland	x	x	x		

Information reported – submission 2017

Cropland Management 2015

Cropland management		CHANGE IN CARBON POOL REPORTED ⁽¹⁾						GREENHOUSE GAS SOURCES REPORTED ⁽²⁾								
		Above-ground biomass	Below-ground biomass	Litter	Dead wood	Soil		HWP ⁽⁴⁾	Fertilization ⁽⁵⁾	Drained, rewetted and other soils ⁽⁶⁾		Nitrogen mineralization in mineral soils ⁽⁸⁾	Indirect N ₂ O emissions from managed soil ⁽⁵⁾	Biomass burning ⁽⁹⁾		
						Mineral	Organic ⁽³⁾			N ₂ O	CH ₄ ⁽⁷⁾			N ₂ O	N ₂ O	N ₂ O
Notation keys	R	24	17	9	5	19	16	0	0	10	0	12	0	3	7	7
	NO	0	2	10	16	1	9	5	5	10	5	8	5	17	10	10
	NA	1	1	2	1	1	1	0	0	1	0	2	0	1	1	1
	NE	0	0	0	0	0	0	0	0	3	0	0	0	2	0	0
	NR	0	0	2	2	5	0	0	0	0	0	0	0	0	0	0
	IE	0	5	2	0	0	0	0	0	0	0	3	0	2	2	2
	Total	25	25	25	24	26	26	5	5	24	5	25	5	25	20	20
	Not Complete	1	1	1	1	1	1	23	23	1	23	1	23	1	6	6
Not correct	2	2	2	3	1	1	0	0	3	0	2	0	2	2	2	

Information reported – submission 2017

Grazing land Management 2015

Grazing land management		CHANGE IN CARBON POOL REPORTED ⁽¹⁾							GREENHOUSE GAS SOURCES REPORTED ⁽²⁾							
		Above-ground biomass	Below-ground biomass	Litter	Dead wood	Soil		HWP ⁽⁴⁾	Fertilization ⁽⁵⁾	Drained, rewetted and other soils ⁽⁶⁾		Nitrogen mineralization in mineral soils ⁽⁸⁾	Indirect N ₂ O emissions from managed soil ⁽⁵⁾	Biomass burning ⁽⁹⁾		
						Mineral	Organic ⁽³⁾			N ₂ O	CH ₄ ⁽⁷⁾			N ₂ O	N ₂ O	N ₂ O
Notation keys	R	21	16	10	11	24	20	0	0	7	1	9	1	5	13	12
	NO	1	3	10	11	1	5	6	5	14	5	11	5	15	11	6
	NA	1	1	1	1	1	1	0	0	2	0	3	0	1	1	1
	NE	1	1	0	0	0	0	0	1	2	0	1	0	2	1	1
	NR	1	1	2	2	0	0	0	0	0	0	0	0	0	0	0
	IE	1	4	3	0	0	0	0	0	0	0	2	0	2	0	0
	<i>Total</i>	26	26	26	25	26	26	6	6	25	6	26	6	25	26	20
	<i>Not Complete</i>	1	1	1	1	1	1	22	22	1	22	1	22	1	1	7
	<i>Not correct</i>	1	1	1	2	1	1	0	0	2	0	1	0	2	1	1

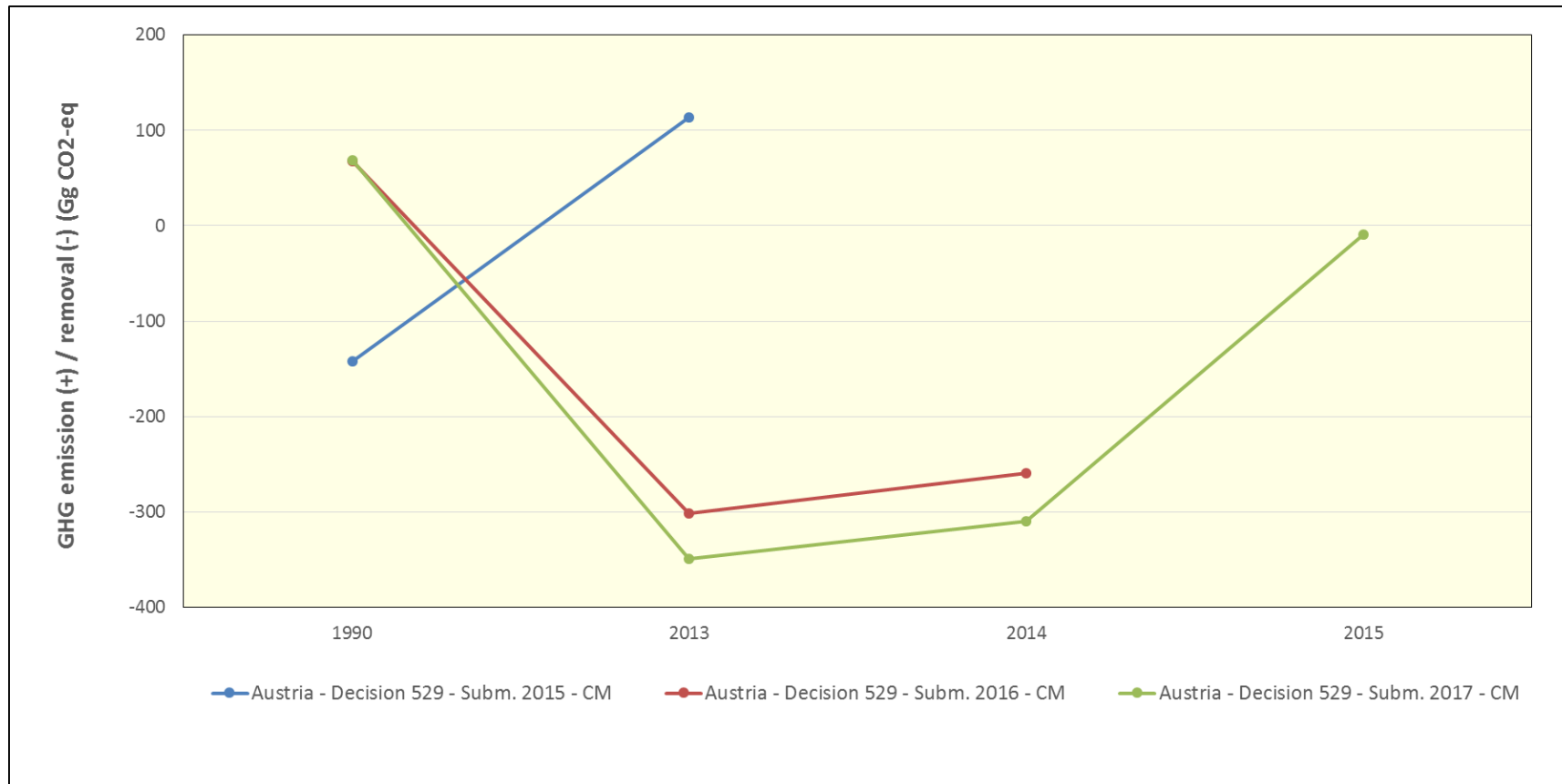
Cropland management		CHANGE IN CARBON POOL REPORTED ⁽¹⁾						GREENHOUSE GAS SOURCES REPORTED ⁽²⁾								
		Above-ground biomass	Below-ground biomass	Litter	Dead wood	Soil		HWP ⁽⁴⁾	Fertilization ⁽⁵⁾	Drained, rewetted and other soils ⁽⁶⁾		Nitrogen mineralization in mineral soils ⁽⁸⁾	Indirect N ₂ O emissions from managed soil ⁽⁵⁾	Biomass burning ⁽⁹⁾		
						Mineral	Organic ⁽³⁾			N ₂ O	CH ₄ ⁽⁷⁾			N ₂ O	N ₂ O	N ₂ O
R	19	12	2	3	23	13			4		7		4	6	6	
NO	0	0	15	17	0	7			12		5		9	7	7	
NA	2	2	2	1	0	2			2		4		4	3	3	
NE	0	0	0	0	0	0			5		2		3	3	3	
NR	2	4	2	2	1	2			0		0		0	0	0	
IE	0	5	2	0	0	0			0		5		3	4	4	

CM – 2014, number of MS

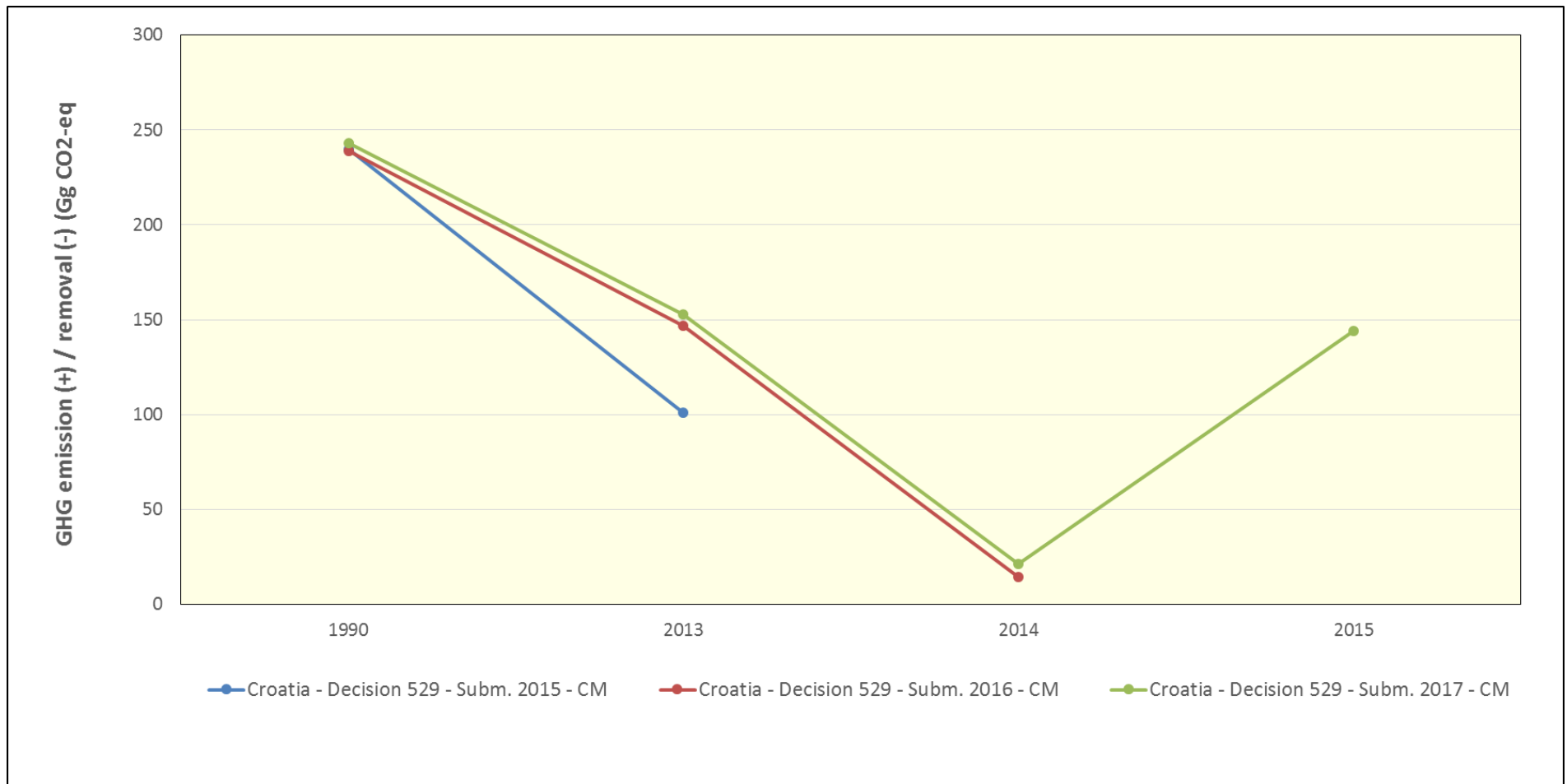
Grazing land management		CHANGE IN CARBON POOL REPORTED ⁽¹⁾						GREENHOUSE GAS SOURCES REPORTED ⁽²⁾								
		Above-ground biomass	Below-ground biomass	Litter	Dead wood	Soil		HWP ⁽⁴⁾	Fertilization ⁽⁵⁾	Drained, rewetted and other soils ⁽⁶⁾		Nitrogen mineralization in mineral soils ⁽⁸⁾	Indirect N ₂ O emissions from managed soil ⁽⁵⁾	Biomass burning ⁽⁹⁾		
						Mineral	Organic ⁽³⁾			N ₂ O	CH ₄ ⁽⁷⁾			N ₂ O	N ₂ O	N ₂ O
R	16	10	3	3	19	14			4		6		8	10	10	
NO	1	1	11	12	1	8			9		8		5	6	6	
NA	2	2	2	2	2	2			5		4		4	4	4	
NE	2	2	2	1	1	0			5		2		3	3	3	
NR	2	5	3	4	1	0			0		0		0	0	0	
IE	0	3	2	1	0	0			0		3		3	0	0	

GM – 2014, number of MS

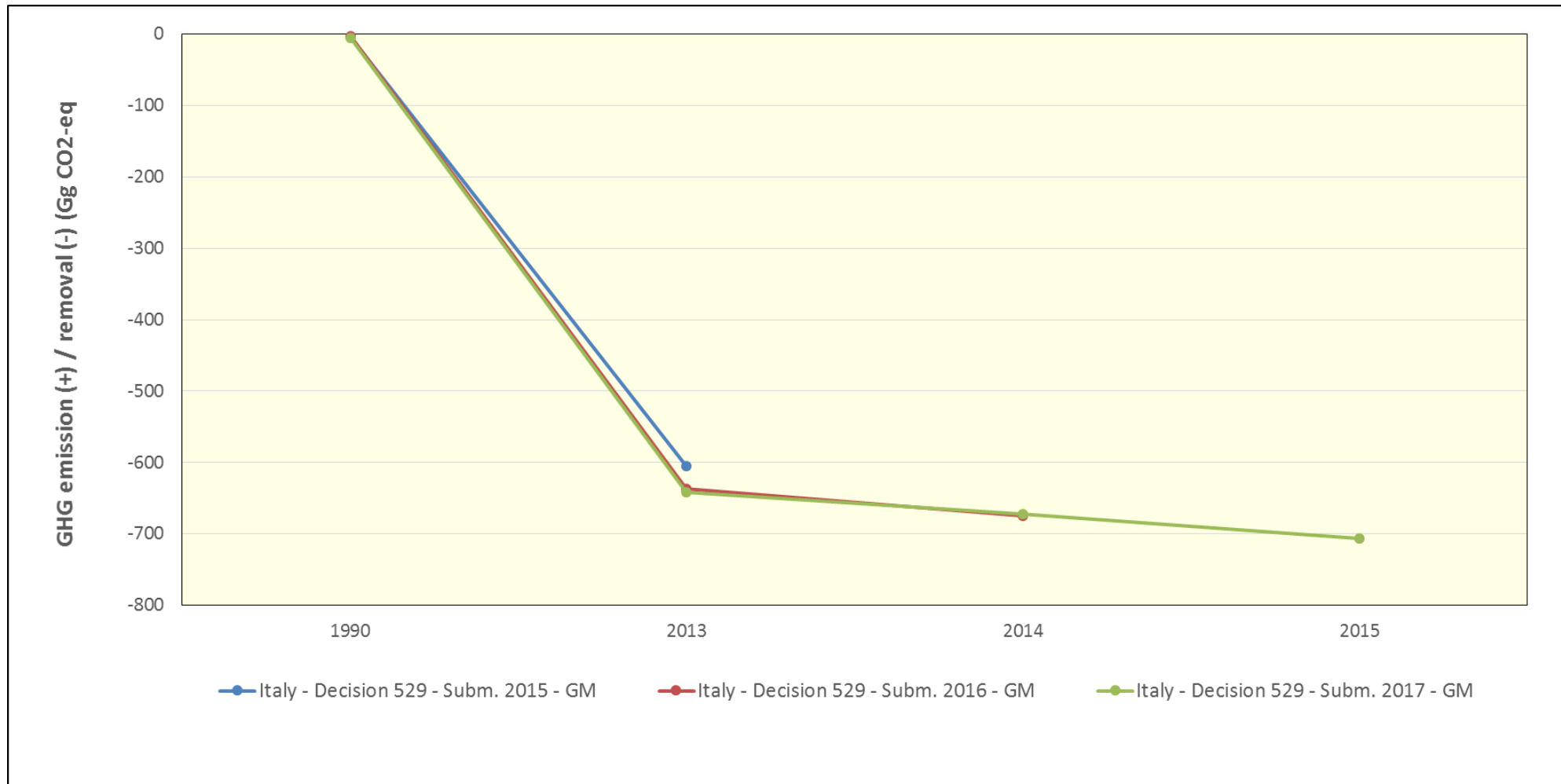
Increased coherency among submissions



Increased coherency among submissions

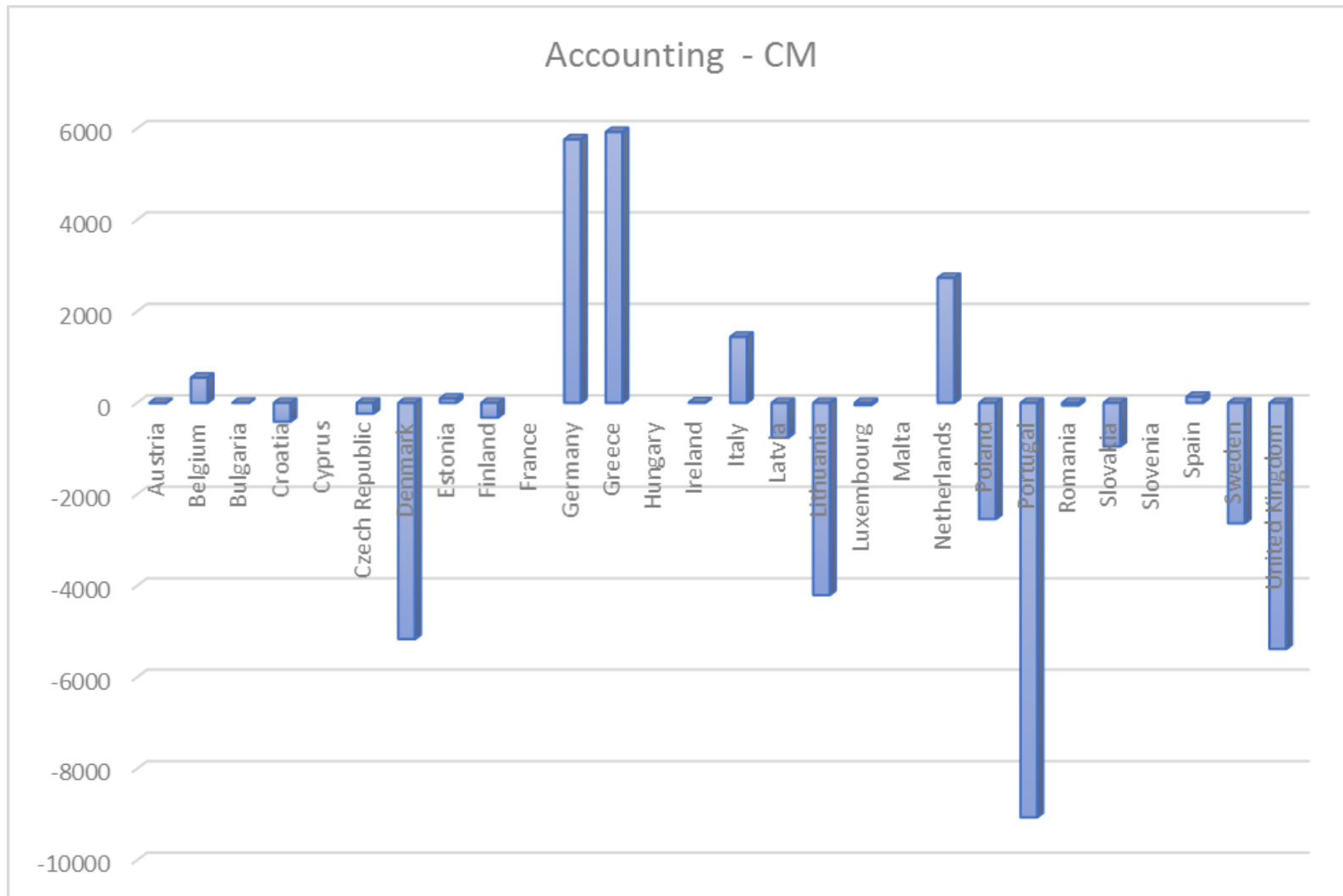


Increased coherency among submissions



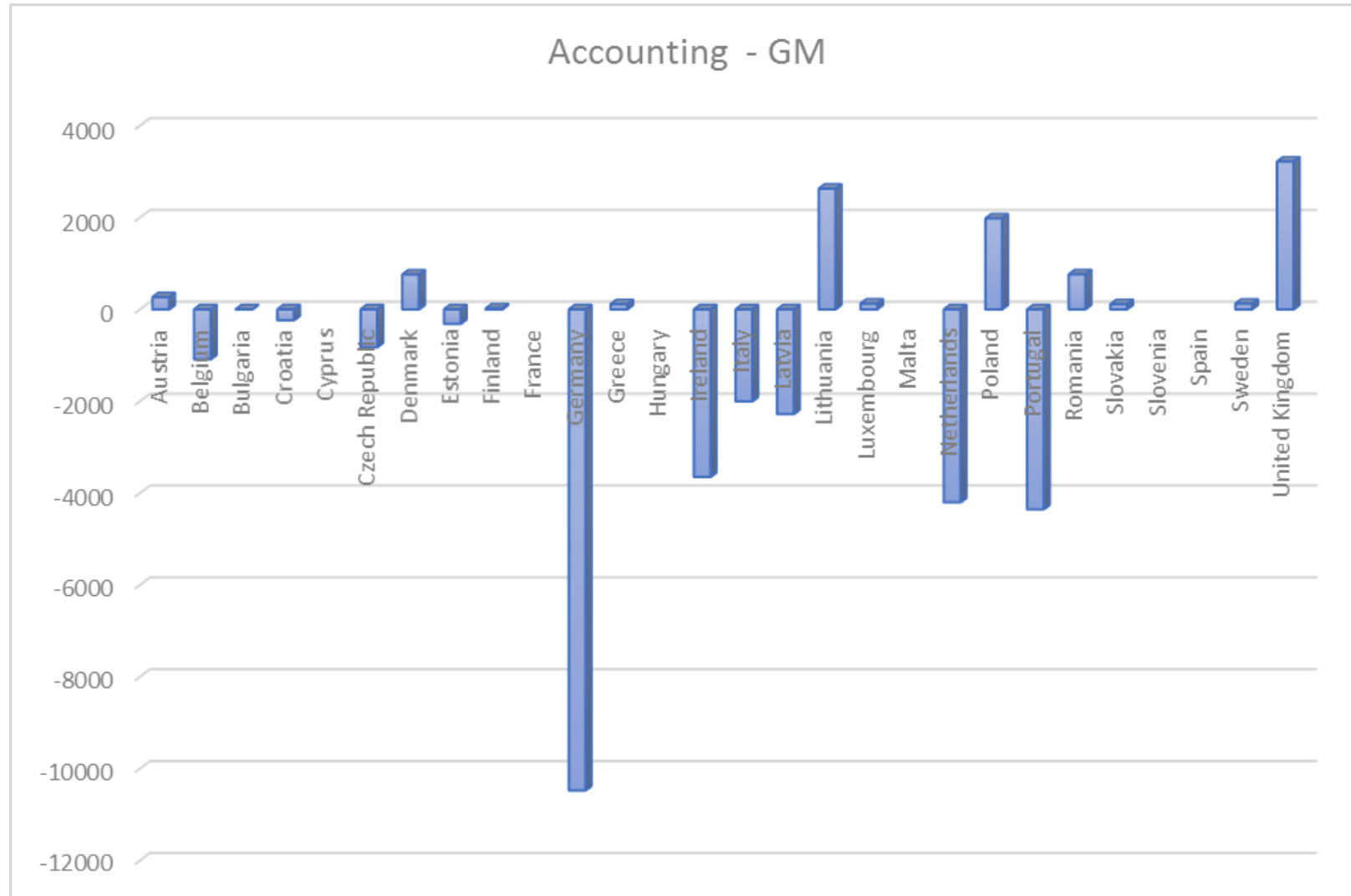


European
Commission





European
Commission





Thank you for your attention!