

Giuliana Zanchi

State of art of the UNFCCC reporting in the EU

MASCAREF project

COST639, Budapest 25-26th May 2009



MASCAREF

Study under EEC 2152/2003 Forest Focus regulation on developing harmonized methods for assessing carbon sequestration in European forests



IFER Institute of Forest Ecosystem Research
Jilové u Prahy, Czech Republic



EUROPEAN COMMISSION
DIRECTORATE-GENERAL
Joint Research Centre

Institute for Environment and Sustainability



Joanneum Research
Graz, Austria

Sub-contracted partners



Federal Institute for Geosciences and Natural Resources
Hannover, Germany



LFRI
Lithuania



FRMI
Romania



IBAF-CNR
Italy



Swedish University of Agricultural Sciences
Umeå, Sweden



NAGREF, FRI
Greece



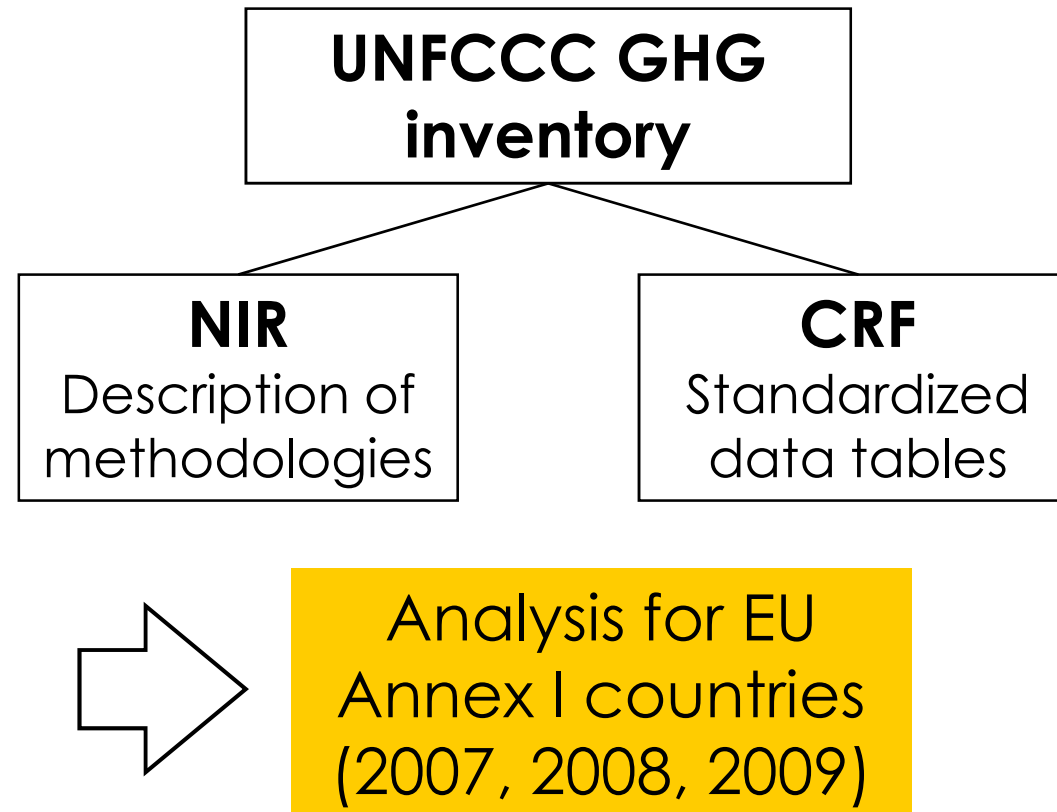
NFC
Slovakia



Alterra
Wageningen, the Netherlands

Contribute to the development of an harmonised monitoring scheme for forests in EU

MASCAREF: Task 1.2



Completeness of C pools

Member State	Reporting category																			
	Forest land								Cropland								Grassland			
	5.A.1.				5.A.2.				5.B.1.				5.B.2.				5.C.1.		5.C.2.	
	B	DOM	Min Soil	Org Soil	B	DOM	Min Soil	Org Soil	B	DOM	Min Soil	Org Soil	B	DOM	Min Soil	Org Soil	B	DOM	Min Soil	Org Soil
Austria																				
Belgium																				
Bulgaria																				
Czech R.																				
Denmark																				
Estonia																				
Finland																				
France																				
Germany																				
Greece																				
Hungary																				
Ireland																				
Italy																				
Latvia																				
Lithuania																				
Luxemb.																				
Netherl.																				
Poland																				
Portugal																				
Romania																				
Slovakia																				
Slovenia																				
Spain																				
Sweden																				
UK (GB)																				

Methods: soil pool

Country	Reporting category					
	5A1	5A2	5B1	5B2	5C1	5C2
Austria	0	CS	CS	CS	CS	CS
Belgium	CS		CS		CS	
Bulgaria						
Czech Rep.	0	CS,0	CS,D	CS	CS,D	CS
Denmark			CS		CS,OTH	
Estonia	0,D		D		n.e.	D
Finland	CS		D,CS		D,CS	
France	0	CS	0	0,CS	0	0,CS
Germany	0	0	0,CS	CS	0,CS	CS
Greece	0		D		0	
Hungary	0		D		D	
Ireland	0	D	D	0,D	n.e.	D
Italy*	CS	CS	0,D,CS		0,D,CS	
Latvia	n.e.		D		D	
Lithuania	0,D		0			
Luxembourg						
Netherlands*						
Poland	0	n.e.	D		D	D
Portugal*						
Romania	0					
Slovakia	0	CS		CS		CS
Slovenia						
Spain	0	0				D
Sweden	CS		CS		CS	
UK (GB)		CS	CS	CS	CS	CS

Relevance for KP: Art 3.3 ARD

Country	KP	UNFCCC	KP	UNFCCC				
	AR	5.A.2 L-F	D	5.B.2.1 F-C	5.C.2.1 F-G	5.D.2.1 F-W	5.E.2.1 F-S	5.F.2.1 F-O
Austria								
Belgium								
Bulgaria								
Czech Rep.								
Denmark								
Estonia								
Finland								
France								
Germany								
Greece								
Hungary								
Ireland								
Italy								
Latvia								
Lithuania								
Luxembourg								
Netherlands								
Poland								
Portugal								
Romania								
Slovakia								
Slovenia								
Spain								
Sweden								
UK (GB)								

Relevance for KP: Art 3.4 FM, CM, GM

Country	KP	UNFCCC	KP	UNFCCC	KP	UNFCCC
	FM	5.A.1 F-F	CM	5.B.1 C-C	GM	5.C.1 G-G
Austria						
Belgium						
Bulgaria						
Czech Rep.						
Denmark						
Estonia						
Finland						
France						
Germany						
Greece						
Hungary						
Ireland						
Italy						
Latvia						
Lithuania						
Luxembourg						
Netherlands						
Poland						
Portugal						
Romania						
Slovakia						
Slovenia						
Spain						
Sweden						
UK (GB)						

Relevance for KP: soil pool

Member State	KP AR	5.A.2.		KP FM	5.A.1.	
		Min Soil	Org Soil		Min Soil	Org Soil
Austria						
Belgium						
Bulgaria						
Czech R.						
Denmark						
Estonia						
Finland						
France						
Germany						
Greece						
Hungary						
Ireland						
Italy						
Latvia						
Lithuania						
Luxemb.						
Netherl.						
Poland						
Portugal						
Romania						
Slovakia						
Slovenia						
Spain						
Sweden						
UK (GB)						

Conclusions

- ✓ Improved completeness → lower C sink in LULUCF
- ✓ Data sources for similar for both UNFCCC and KP reporting
- ✓ UNFCCC (GHG inventories) → KP:
 - Best coverage for Forest land
 - Gaps in land under conversion
 - Some pools will need attention (Soil)
 - New MS catching up
 - Few countries will need data on CM and GM



