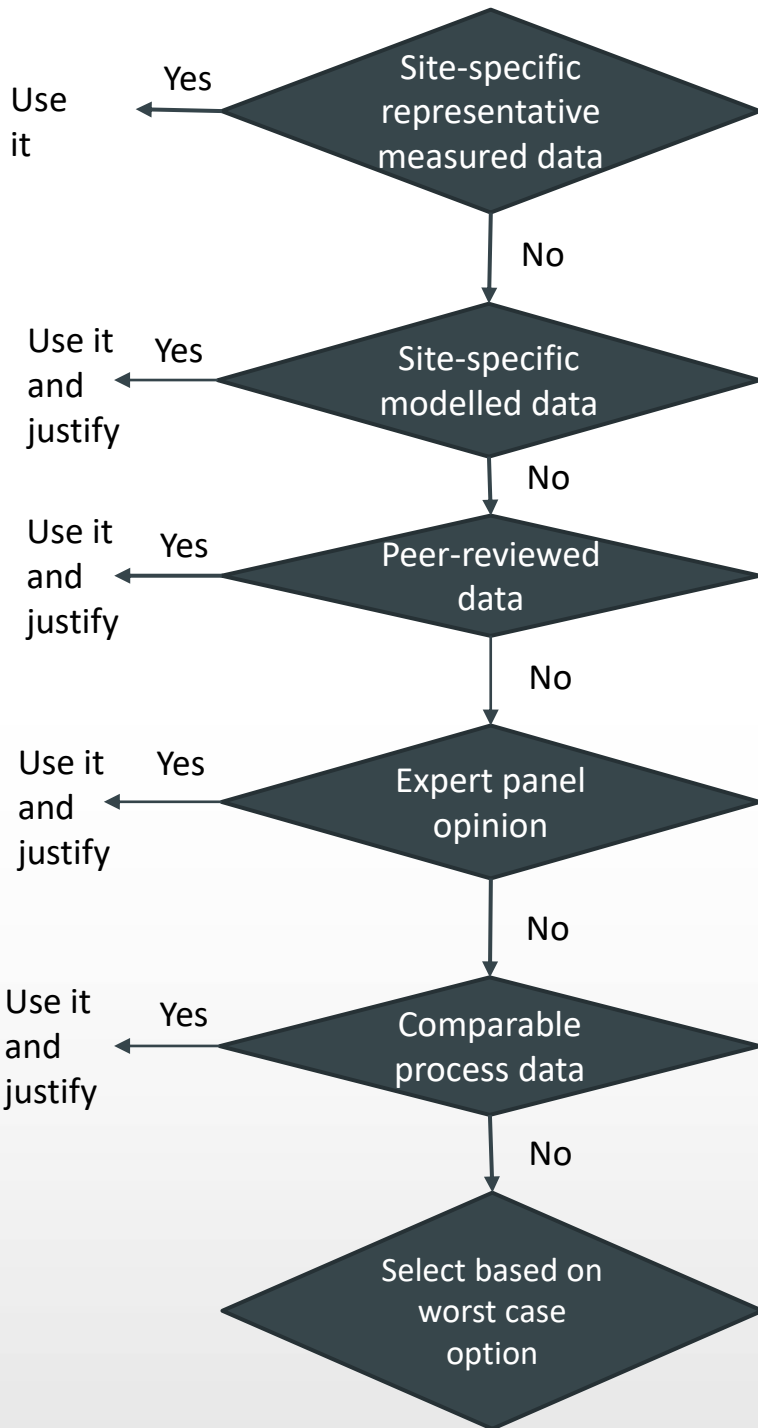
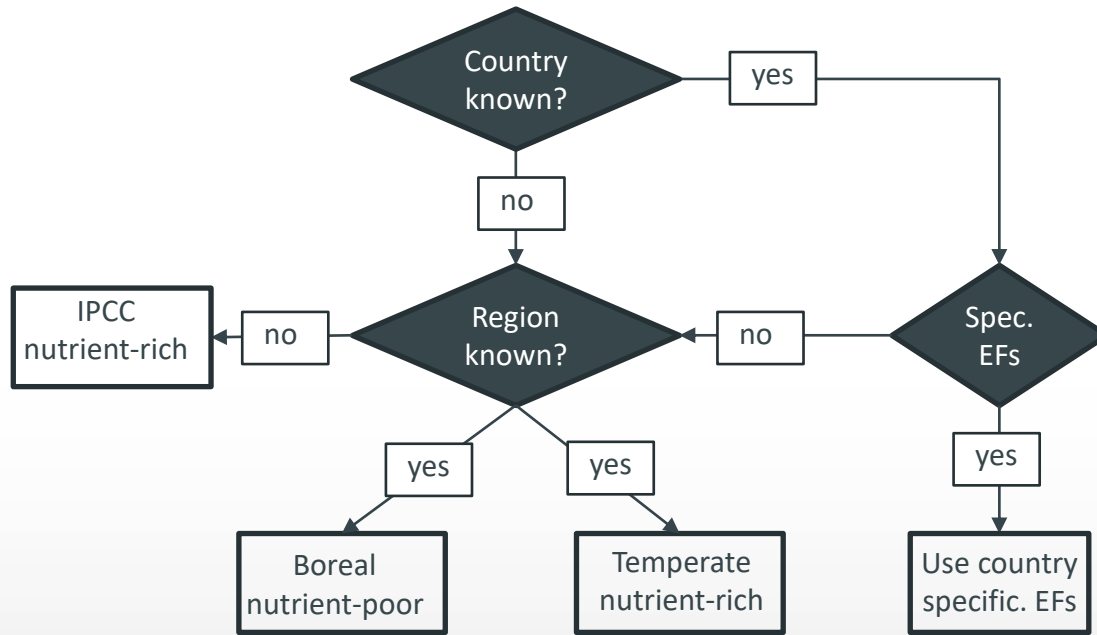


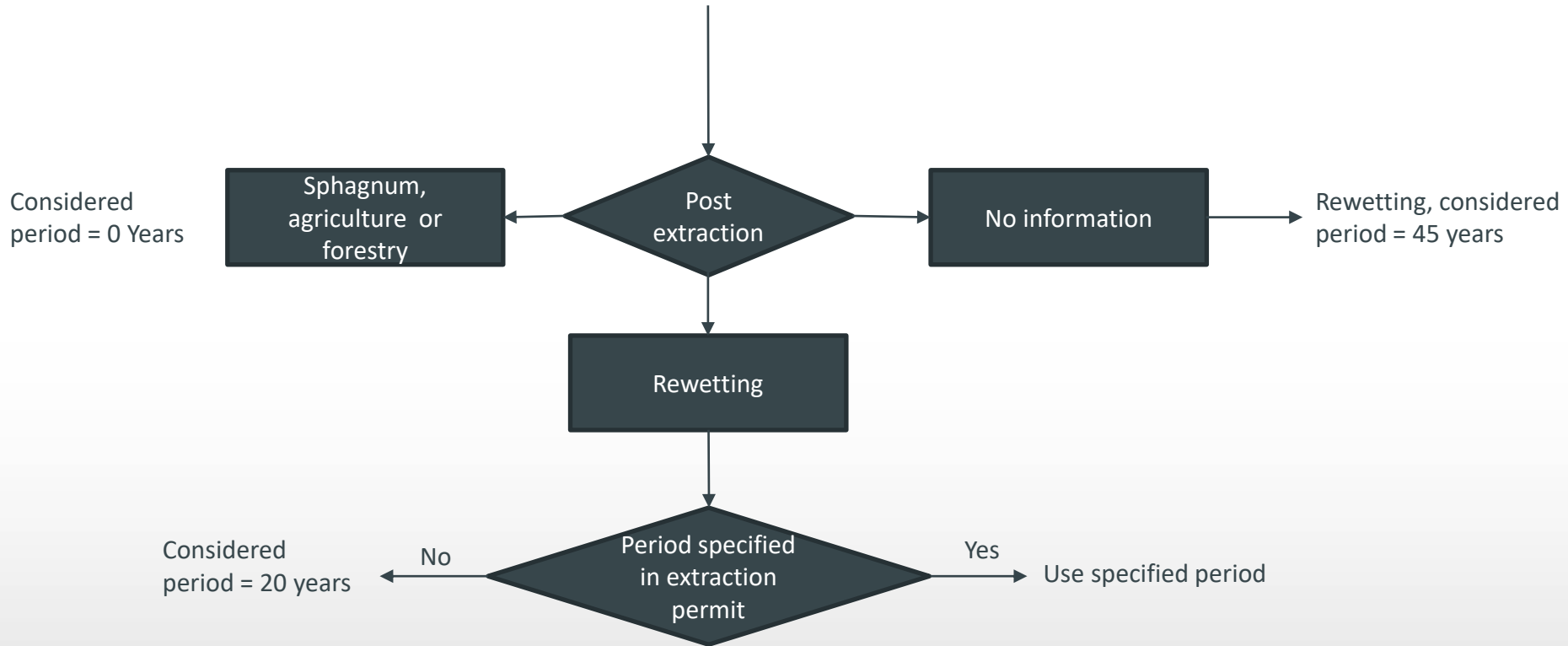
Decision tree – Data selection



Decision tree - Emission factors (EF) area-based

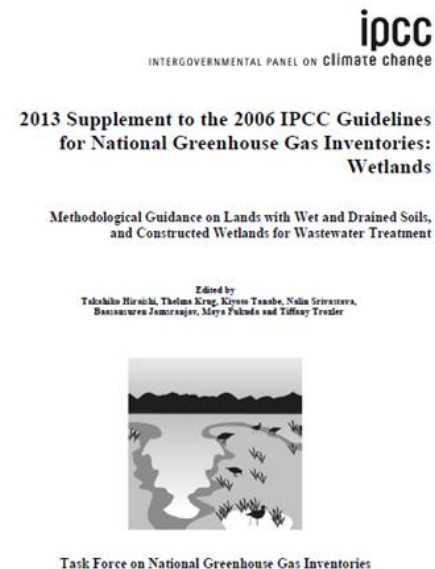


Decision tree – Restoration period



Emission factors for peat extraction

Eco zone	Nutrient	CO ₂ -C [t*ha ⁻¹]	CO ₂ -C _{DOC} [t*ha ⁻¹]	CH ₄ [kg*ha ⁻¹] ditches	CH ₄ [kg*ha ⁻¹]	N ₂ O-N [kg*ha ⁻¹]
Boreal	poor	2,8	0,12	542	6,1	0,3
	rich					
Temperate	poor		0,31			
	rich					
Tropic		2,0	0,82			3,6
Germany	poor	1,3			4,2	0,9



Example for country-specific EFs:

Tiemeyer, B., et al. (2020). "A new methodology for organic soils in national greenhouse gas inventories: Data synthesis, derivation and application." Ecological Indicators **109**: 105838.

Annex 2

Life Cycle Assessment of Peat for Growing Media

Rewetting – emission factors

Ecozone	Nutrient status	CO ₂ -C [t*ha ⁻¹]	CO ₂ -C _{DOC} [t*ha ⁻¹]	CH ₄ -C [kg*ha ⁻¹]	N ₂ O-N [kg*ha ⁻¹]
Boreal	poor	- 0,34	0,08	42	0,06
	rich	- 0,55		137	
Temperate	poor	- 0,23	0,24	92	0,07
	rich	0,50		216	
Tropic		0	0,51	41	0,94
Germany	poor	-0,4	-	209	0,1

Source: Wilson et al. (2016), Mires and Peat, Volume 17 Article 04, 1–28, DOI: 10.19189/MaP.2016.OMB.222

Tiemeyer, B., et al. (2020). "A new methodology for organic soils in national greenhouse gas inventories: Data synthesis, derivation and application." Ecological Indicators **109**: 105838.