

Table E5-1: Models and other assessment approached to produce Biomass and Anthropogenic mortality reference points to feed international stock assessment through compilation of individual EMU data.

List of inputs requires either to run or validate models
 Models and other assessment approached used in National accounts

Model	Acronym	Produces B ₀ Y/N	Produces B _{current} Y/N	Produces B _{best} Y/N	Produces \sum_A Y/N	Computing platform	User Friendly interface?	Published (P) Peer reviewed (PR), Grey literature (G)	Mortality Rate or Biomass based or combined	Used by (list Country codes)	Inputs - eel biology/data							
											recruitment indices	Stocking separate to natl recruitment	fishing mortality rate	Anthopogenic mrtality rates	natural mortality rate(s)	Sex ratio	Length at age or other growth rate	Length-weight relationships
Demographic camargue model	DEMCAM	Y	Y	Y	Y	Matlab	YES	PR	Rate	IT,	Y		Y		Y	Y	Y	
Swedish Analytical model	SWAM		Y	Y		Matlab	No	G	Rate	SE	Y	Y	Y		Y		Y	
Model of eel population within a hydrographic network	GLOBANG	Y	Y	Y	Y	Matlab	No	P	Rate	FR	Y		Y		Y	Y	Y	
Scenario-based model for eel populations	SMEP	Y	Y	Y	Y	MS-DOS	Any spreadsheet user	G	Biomass	GB	Y	Y	Y	y	Y	Y	Y	
Framework of eel Density analyses	EDA	Y	Y	Y		R	R skills needed	G	Combined	FR, BE, ES, IE								
German eel Model	GEM/GEM2	Y	Y	Y	Y	EXCEL	Y	Model G, Use of PR	Rate	DE	Y	Y	Y	Y	Y		Y	Y
Length-based Virtual Population Assessment	LVPA	Y	Y	Y	Y	Various specific	No	P	Rate	NL	Y	Y	Y	Y	Y		Y	
Dutch eel Models - Combination			Y	Y	Y	Multiple		PR	Combined	NL			Y	Y	Y	Y	Y	Y
CAGEAN model (Deriso et al., 1985)			Y	Y	Y			PR	RATE	PL		Y	Y		Y		Y	Y
Simplified eel population model (Dekker et al 2008)			Y						Rate	LT		Y	Y				Y	Y

