BALTEX Survey on

Biogeochemical Modelling Activities in the Baltic Sea Basin

Model Name	COHERENS
Model Description	A coupled hydrodynamical-ecological model for regional and shelf areas
State Variables	Microplankton carbon and and nitrogen, detrital carbon and nitrogen, , Nitrate, Ammonium, Oxygen, Zooplankton, inorganic sediment
On a scale between 1 and 10, please classify your model	1 Biogeochemical cycling, matter fluxes 2 3 4 5 6 x 7 8 9 10 Ecosystem functioning
Dimension (0D, 1D, 2D, 3D)	1D, 3D
Modeled Area (Marine, terrestial, combined)	Marine
Coupled to hydrological component	COHERENS
Suited for climate change sensitivity studies	Yes
Publications	See web site
Institute	Marine Environmental Research Institute Denmark
Developer, E-Mail	Model Setup by Jørgen Bendtsen job@dmu.dk P.Luyten@mumm.ac.be.
Web Site	www.mumm.ac.be/EN/Models/Coherens/