



Baltic Sea Region MSP Data Expert Sub-Group 2nd meeting

**19-20/01/2016
Hamburg, Germany**

Dataset collation for assessing sea uses and impact of human activities on the ecosystem health of the Baltic Sea

HELCOM, through its activities to assess impacts of human activities on the ecosystem health of the Baltic Sea, is collating spatial data on human activities and pressures. The assessment will be used in the second holistic assessment of the ecosystem health (HOLAS II). HOLAS II project identified spatial datasets of both human activities and their pressures relevant for the further work for the purpose of the assessment. The list of the identified human activities is presented in Table 1, as further details can be found in [HOLAS II meeting document](#).

For some of the datasets on human activities, national request process will be performed during 2016. A national data request is planned for early 2016, in order to provide information that cannot be directly obtained at the regional scale. In total, there is 10 datasets to be requested through national request procedure. Some 33 datasets on human activities will be/have been obtained from other sources (including are available from HELCOM).

Timeline for national requests

- The data call will be submitted in January 2016.
- The data should be delivered to HELCOM by April 15, 2016.
- Along with the data, metadata specification is to be delivered (e.g. spatial data format and type, temporal extent, access and use)
- The Secretariat will verify the data that is delivered, and if needed return to the data provider with any potential clarifying questions.
- The datasets will be compiled to the regional scale by September 2016 and shared with the HOLAS II core team for consideration.

Table 1 Dataset on human activities identified to be compiled for assessment of uses and pressures from human activities by HELCOM. Datasets to be requested through national request process are indicated with green colour. Subactivities of “Canalisation and other watercourse modifications” and “Coastal defence and flood protection” will be aggregated to one dataset.

Activity	Example subactivity	Suggested dataset	
Cultivation of living resources			
Aquaculture - marine	Fin-fish mariculture	Aquaculture (location)	
	Shellfish mariculture	Shellfish mariculture	
Production of energy			
Renewable energy generation	Wind energy production	Wind farms (operational and under construction)	
Non-renewable energy generation	Fossil fuel energy production	Fossil fuel energy production	
	Nuclear energy production	Nuclear energy production	
Transmission of electricity and communications	Cables	Cables	
Extraction of living resources			
Fish and shellfish harvesting (professional, recreational)	Potting/ creeling	(Pot: Lobster fishery in the Kattegat) Lobster (Homarus gammarus) and Norwegian lobster (Nephrops norvegicus)	
	Netting	Gillnet commercial fishery	
	Demersal long lining	Long lining activity (ICES)	
	Pelagic long lining	Long lining activity (ICES)	
	Benthic trawling	Bottom trawling activity (ICES)	
	Pelagic trawling	Surface and mid-water trawling (ICES)	
	Demersal seining		Demersal Danish seining
			Demersal Scottish seining
	Purse seining	Pelagic purse seining	
	Benthic dredging	Scallop and blue mussel dredging	
	Leisure fishing	Recreational fishery	
Fishery with coastal stationary gear	Fishery with coastal and stationary gear		
Marine plant harvesting	Dredging (maerl, furcellaria)	Location of important maerl and Furcellaria dredging sites	
Hunting and collecting for other purposes	Game hunting (birds)	Hunting of game birds (eider, long tailed duck)	
	Predator control (birds, mammals, turtles)	Hunting of seals	
	Predator control (birds)	Hunting of birds for predator control (cormorant)	
Extraction of non-living resources			
Extraction of minerals	Extraction of sand and gravel	Extraction of sand and gravel	
Extraction of oil and gas	Oil and gas industry infrastructure	Oil platforms	
	Pipeline placement and operation	Pipelines	
Physical restructuring of coastline or seabed (water management)			
Land claim (permanent changes)	For urban, industrial, leisure, agriculture purposes	Land claim (urban, industrial, leisure, agriculture)	
Canalisation and other watercourse modifications	Canalisation	Canalisation	
	Culverting/trenching	Culverting/trenching	
	Dams, weirs	Coastal dams	
Coastal defence and flood protection	Sea walls	Sea walls	
	Breakwaters	Breakwaters	
	Groynes	Groynes	
	Flood protection	Flood protection	
Restructuring of seabed morphology	Dredging (for navigation purposes)	Dredging	
Tourism and leisure			
Tourism and leisure infrastructure	Marinas and leisure harbours	Marinas and leisure harbours	
Tourism and leisure activities	Boating, yachting	Recreational boating and sports	
	Beach use	Bathing sites, beaches	

Transport		
Transport infrastructure	Fishing harbours	Fishing harbours
	Industrial and ferry ports	Oil terminals, refineries
	Bridges and causeways	Harbours (and bunkering points at sea)
Transport – shipping	Passage of ships/boats	Bridges
Urban and industrial uses		
Urban uses	Urban use	Urban land use
Waste treatment and disposal	Solid waste disposal, incl. Dredged material	Deposit of dredged material
	Urban waste water treatment	Coastal waste water treatment plants
	Industrial waste water treatment	Coastal waste water treatment plants
Security/defence		
Military operations	Military infrastructure	Could be firing ranges for military exercises
	Waste disposal (munitions)	Waste disposal (munitions)

Additionally also: **hydropower dams** and **input of electromagnetic and seismic waves.**