

**First list of ecological criteria for site selection in the Baltic Sea** (result of workshop 15-16 september)

Criteria timetable/milestone 1

15-16 September	Workshop	First listing of criteria
mid October	WP3 17, 19	More complete list of criteria to be sent out to partners for comments
mid November	WP3 7, 9	Input from Questionnaire to experts and authorities

Criteria Category	Criteria	Specification	WS Output-Baltic Sea	WS Output-Pilot Areas	Comment
<b>Basic Criteria</b>					
	Physical factors	Geology, substrate Exposure Current patterns Salinity Water quality (oxygen, Temperature Stratification Frontal systems, Ice cover Depth Photic zone Coastal / Offshore Shore type Land uplift			Data will be available for download at the WP1 database. (comment: Greger) Most factors listed are relevant for the WP2 landscape/habitat mapping (comment: Jörgen)
	Biogeographic region	Bothnian Bay Bothnian Sea Baltic Proper Kattegat Gulf of Finland Gulf of Riga	Goals to be fulfilled within each biogeographic region	not relevant	
	Landscape representation	WP2 landscapes	representation of all WP2 landscapes	not relevant	
	Habitat representation	i. Natura 2000  EUNIS	Some N2000 habitats-relevant for the Baltic Sea not relevant?	P1: benthic habitats, coastal fish habitats, EUNIS-habitats? P2: potential offshore spawning areas?	<a href="#">Georg Martin will compile a list of P1= The Northern Kattegat P2=The Bornholm Deep &amp;</a>

	WP2 habitats	not relevant	P3: benthic habitats, fish habitats from Ulf, EUNIS-habitats? P4: benthic habitats, EUNIS-habitats?, Natura 2000 habitats	<a href="#">Habitat maps will be provided by WP2.</a> <a href="#">Ulf Bergström will compile a list of fish species to be included in habitat modelling in WP2</a>	
	Species representation	Species in Habitat Directive (seals and Fucus?)	presence/absence	abundance categories? x	<a href="#">Åsa, Per and A-S will compile a list of species relevant-to be</a>
<b>Modifying Criteria</b>					
	Habitats of special interest	rare habitats habitats of special concern vulnerable habitats	If unique?	<b>Redlist:</b> HELCOM	<a href="#">The modifying criteria were only discussed briefly; Åsa, Per and A-</a>
	Species of special interest	rare species endangered species relict species restricted range species pop. with unique genetic comp. inclusion of exploited species		<b>Redlists:</b> IUCN, HELCOM, ArtDatabanken <b>Redlists:</b> IUCN, HELCOM, ArtDatabanken	<a href="#">The modifying criteria were only discussed briefly; Åsa, Per and A-S will compile a list of species relevant-to be circulated</a>
	Geological features of special interest				<a href="#">Is this relevant? If so wh</a>
	Minimum size (target by target)		relevant, based on data available	relevant, based on data available	
	Maximum separation distance (target by		relevant, based on data available	relevant, based on data available	<a href="#">Based on info from WP3 Part1: Blue</a>
	Minimum separation distance ( target by		not part of repr analysis, but important for	not part of repr analysis, but important for	<a href="#">Avoidance of stochastic</a>
	Minimum number of patches (selected MPAs)		not relevant as we have representation in all 5 biogeographic regions	probably relevant, but not for all targets	
	Existing MPAs		yes	yes	

Cost surface (WP3+WP4)

avoid unsuitable sites,  
based on data from WP4

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based on data from WP4

[Data will be provided by](#)

Excluding Criteria	Baltic Sea	Pilot areas	
Threats/Human activities nutrient levels	x	x	The workshop participants compiled a list of excluding socio economic factors which may be relevant for the representativity analysis. Which of the criteria to be included will depend on data availability.
(S-Cecilia, DK-Ole, HEL toxic levels	x	x	
shipping	x	x	
oil transport	x	x	
fisheries	? (vms data)	x (recreational fisheries, commercial fisheries...)	
aquaculture	?	x	
sand-and gravel extracti	x	x	
wind farms	x (existing objects only)	x (existing objects only)	
other marine constructio	x	x	
density of human populatio	x	x	
alien species	x (Helcom data, County Administration)	x (Helcom data, County Administration)	
tourism	?	x (negative or positive	
research sites	negative cost	negative cost	
referens sites	negative cost	negative cost	
cultural heritage sites	negative cost?	negative cost?	
military areas	exclude existing areas, include "old" areas	exclude existing areas, include "old" areas	
cables and pipeline	?	?	
Dumping grounds (toxic)	x	x	
other reservations (bridges)	x	x	