

Tua Nylén and Harri Tolvanen

## Deliverable D.T3.5.2 Inventory report of MSP-relevant spatial data and its quality

Cross-border case study: primary data and providers

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## SUMMARY

This inventory reports the spatial data relevant for Maritime Spatial Planning (MSP) and their providers in the Plan4Blue case, covering the Gulf of Finland and coastal areas of Estonia and Finland. It aims at serving as an example of data requirements and availability in cross-border MSP processes where extensive geographical areas are targeted.

The inventory reflects the data availability situation in January-April 2017 and a task to produce background maps of the current conditions of the Plan4Blue project area. Together with other background information, these maps set the stage for MSP scenario building.

The inventory is restricted to those data that were used either in the map products or during the process, although many other data are available and may be relevant in other specific cases. Particularly, the inventory is concentrated on data with large geographical coverage and relatively coarse spatial scale, which often are the requirements in cross-border MSP. The produced maps of the current conditions of the Gulf of Finland are available in deliverable D.T3.5.1, "Collection of contemporary Gulf of Finland maps for scenario building".

Table 1. Primary data providers (in alphabetical order) utilised for Plan4Blue background maps (see D.T3.5.1)

Provider	Coverage	Database	Web cite
IMO - International Maritime Organization	International	GISIS - Global Integrated Ship- ping Information System	https://gisis.imo.org/Public/Default.aspx
HELCOM - Baltic Marine Environment Protection Commission - Helsinki Com- mission	International	Baltic Sea data and map service	http://maps.helcom.fi/website/mapservice/index.html
EMODnet - The European Marine Observation and Data Network	International	EMODnet Data Portals	http://www.emodnet.eu/portals
Bureau van Dijk	International	Orbis	https://www.bvdinfo.com/en-gb/our-products/company-information/international-products/orbis
Estonian Land Board	Estonia	Estonian Geoportaal	http://inspire.maaamet.ee/home
Estonian Maritime Administration	Estonia	Estonian Geoportaal	http://inspire.maaamet.ee/home
Estonian Environment Agency	Estonia	Estonian Geoportaal	http://inspire.maaamet.ee/home
Statistics Estonia	Estonia	Statistical database	http://www.stat.ee/database
Estonian Environment Agency	Estonia	EELIS - Estonian Nature Informa- tion System - Estonian Environ- mental Register	http://loodus.keskkonnainfo.ee/eelis/default.aspx?state=1;-164545161;est;eelisand;;⟨=eng
Finnish Transport Agency	Finland	View & Download service of the Finnish Transport Agency	https://extranet.liikennevirasto.fi/extranet/web/public/lataus-palvelu#
National Land Survey of Finland	Finland	NLS File service of open data	https://tiedostopalvelu.maanmittauslaitos.fi/tp/kartta?lang=en
Statistics Finland	Finland	Statistics Finland, open data and interfaces	http://tilastokeskus.fi/tup/tilastotietokannat/index_en.html

## Table 2. Primary data utilised for Plan4Blue background maps (see D.T3.5.1)

Committed by Service   Committed Service   C			Туре	Original producer	Distributer	Dataset	Format	CRS	Projection
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Feather   Peather   Peat						<del></del>			
Tember   Finland   Polygon   Finnish Transport Agency   Finnish Transport								, , ,	
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Finds   Polygon   Finish Transport Agency						<del>                                     </del>		· · · · · · · · · · · · · · · · · · ·	
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Finland   Polygon   National Land Survey of Finland   Administrative borders, for thematic maps, no sea   SHP   ETRSSP / ETRST-MISSTN (PSG 3067)   Transverse Mercat Counters   Finland   Polygon				<u> </u>	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·	
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International   Polyline   HELCOM   HELCOM   HELCOM   HELCOM Baltic Sea data and map service   SHP   ETRSB9 / ETRS-LARA (EPSS-3035)   Lambert azimuthal Barhymetric model   International   Polygon   HELCOM   HELCOM   HELCOM Baltic Sea data and map service   SHP   ETRSB9 / ETRS-LARA (EPSS-3035)   Lambert azimuthal Marine area   New York   Melor Polyline   HELCOM   HELCOM Baltic Sea data and map service   SHP   ETRSB9 / ETRS-LARA (EPSS-3035)   Lambert azimuthal Marine area   New York   Melor Polyline   National Land Board   Etonian Land Board   Etonian Land Board   Seneralized Estonian topographic data   SHP   Etonian Coordinate System (SMP) (ETRS-SHA) (EPSS-3035)   Lambert azimuthal Marine architect   National Land Survey of Finland   National	Counties F	Finland	Polygon	National Land Survey of Finland	National Land Survey of Finland	Administrative borders, for thematic maps, no sea	SHP	ETRS89 / ETRS-TM35FIN (EPSG 3067)	Transverse Mercator
Bathymetric model   International   Raster   Bathic Sea Hydrographic Commission   HELCOM   HELCOM Battic Sea data and map service   TF   ETRS9 / ETRS-LAEA (EPSG 3035)   Lambert azimuthal Major fiver network   Estonia   Polyline   Estonia Land Board   Sea data and map service   TF   ETRS9 / ETRS-LAEA (EPSG 3035)   Lambert azimuthal Land Survey of Final   Polyline   Sea data and map service   TF   ETRS9 / ETRS-LAEA (EPSG 3035)   Lambert conformal Vater Indies   Polyline   Sea data and map service   TF   ETRS9 / ETRS-MSF (EPSG 3037)   Lambert conformal Vater Indies   Polyline   National Land Survey of Finland   National Land Survey of Finland   Sea data and map service   TF   ETRS9 / ETRS-MSF (TRS-MSF 3037)   Lambert conformal Vater Indies   Transverse Mercal Vater Indies   Polyline   National Land Survey of Finland   National Land Survey of Finland   Sea data and map service   TF   ETRS9 / ETRS-MSF (TRS-MSF 3037)   Lambert azimuthal Land Survey of Finland   Non-spatial   Bureau van Dijk   Orbis   National Land Survey of Finland   Non-spatial   Bureau van Dijk   Orbis   National Land Survey of Finland   Non-spatial   Bureau van Dijk   Orbis   National Land Survey of Finland   Non-spatial   Bureau van Dijk   Orbis   National Land Survey of Finland   Non-spatial   Bureau van Dijk   Orbis   National Land Survey of Finland   Non-spatial   Bureau van Dijk   Orbis   National Land Survey of Finland   Non-spatial   Bureau van Dijk   Orbis   National Land Survey of Finland   Non-spatial   Bureau van Dijk   Orbis   National Land Survey of Finland   Non-spatial   Bureau van Dijk   Orbis   National Land Survey of Finland   Non-spatial   Bureau van Dijk   Orbis   National Land Survey of Finland   Non-spatial   Bureau van Dijk   Orbis   National Land Survey of Finland   Non-spatial   Non-spat	Environment								
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Major river network   Estonia   Polygine   Estonian Land Board   Estonian Major   Generalized Estonian topographic data   SHP   Estonian Coordinate System 1997 (EPSS 301)   Lambert conforms   Valver lines   Finland   Polygin   National Land Survey of Finland   National Land Survey of Finland   National Land Survey of Finland   Milf   ETRSS9 / ETRS-TMSSFIN (EPSG 3067)   Transverse Mercat Private Companies   International Polygin   National Land Survey of Finland   Survey of Finland   Milf   ETRSS9 / ETRS-TMSSFIN (EPSG 3067)   Transverse Mercat Private Companies   International Polygin   Non-spatial   Bureau van Dijk   Orbis   Natura 2000 sites   International Polygin   Non-spatial   Bureau van Dijk   Milf   EUROPE   EUROPE   MILECOM   MILECOM Baltic Sea data and map service   SHP   ETRSS9 / ETRS-LAEA (EPSG 3035)   Lambert azimuthal Bathing sites   International Polygin   Universe of Milf   M	Bathymetric model	International	Raster		HELCOM	HELCOM Baltic Sea data and map service	_	ETRS89 / ETRS-LAEA (EPSG 3035)	Lambert azimuthal equal-area
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Non-spatial   Bureau van Dijk   Bureau van Dijk   Bureau van Dijk   Orbis   XLS	Water bodies	Finland	Polygon	National Land Survey of Finland	National Land Survey of Finland	General map 1:1 M	MIF	ETRS89 / ETRS-TM35FIN (EPSG 3067)	Transverse Mercator
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## **Table 2. Continued**

Layer	Coverage	Туре	Original producer	Distributer	Dataset	Format	CRS	Projection
Human activities (continued)								
Cables and pipelines	Finland	Polyline	Finnish Transport Agency	Finnish Transport Agency	Marine transport	SHP	ETRS89 / ETRS-TM35FIN (EPSG 3067)	Transverse Mercator
Lights	Finland	Point	Finnish Transport Agency	Finnish Transport Agency	Marine transport	SHP	ETRS89 / ETRS-TM35FIN (EPSG 3067)	Transverse Mercator
Disposal area	Finland	Polygon	Finnish Transport Agency	Finnish Transport Agency	Marine transport	SHP	ETRS89 / ETRS-TM35FIN (EPSG 3067)	Transverse Mercator
Aids to navigation	Finland	Point	Finnish Transport Agency	Finnish Transport Agency	Marine transport	SHP	ETRS89 / ETRS-TM35FIN (EPSG 3067)	Transverse Mercator
Navigation line	Finland	Polyline	Finnish Transport Agency	Finnish Transport Agency	Marine transport	SHP	ETRS89 / ETRS-TM35FIN (EPSG 3067)	Transverse Mercator
Daymark	Finland	Point	Finnish Transport Agency	Finnish Transport Agency	Marine transport	SHP	ETRS89 / ETRS-TM35FIN (EPSG 3067)	Transverse Mercator
Restricted areas	Finland	Polygon	Finnish Transport Agency	Finnish Transport Agency	Marine transport	SHP	ETRS89 / ETRS-TM35FIN (EPSG 3067)	Transverse Mercator
Shoreline constructions	Finland	Polyline	Finnish Transport Agency	Finnish Transport Agency	Marine transport	SHP	ETRS89 / ETRS-TM35FIN (EPSG 3067)	Transverse Mercator
Traffic Separation Scheme Crossing	Finland	Polygon	Finnish Transport Agency	Finnish Transport Agency	Inspire - Traffic networks	SHP	ETRS89 / ETRS-TM35FIN (EPSG 3067)	Transverse Mercator
Traffic Separation Scheme Lane	Finland	Polygon	Finnish Transport Agency	Finnish Transport Agency	Inspire - Traffic networks	SHP	ETRS89 / ETRS-TM35FIN (EPSG 3067)	Transverse Mercator
Traffic Separation Scheme Roundabout	Finland	Polygon	Finnish Transport Agency	Finnish Transport Agency	Inspire - Traffic networks	SHP	ETRS89 / ETRS-TM35FIN (EPSG 3067)	Transverse Mercator
Dredging area	Finland	Polygon	Finnish Transport Agency	Finnish Transport Agency	Marine transport	SHP	ETRS89 / ETRS-TM35FIN (EPSG 3067)	Transverse Mercator
Locks and canals	Finland	Polygon	Finnish Transport Agency	Finnish Transport Agency	Marine transport	SHP	ETRS89 / ETRS-TM35FIN (EPSG 3067)	Transverse Mercator
Locks and canals	Finland	Polyline	Finnish Transport Agency	Finnish Transport Agency	Marine transport	SHP	ETRS89 / ETRS-TM35FIN (EPSG 3067)	Transverse Mercator
Leading line	Finland	Polyline	Finnish Transport Agency	Finnish Transport Agency	Marine transport	SHP	ETRS89 / ETRS-TM35FIN (EPSG 3067)	Transverse Mercator
Racon	Finland	Point	Finnish Transport Agency	Finnish Transport Agency	Marine transport	SHP	ETRS89 / ETRS-TM35FIN (EPSG 3067)	Transverse Mercator
Light sectors	Finland	Point	Finnish Transport Agency	Finnish Transport Agency	Marine transport	SHP	ETRS89 / ETRS-TM35FIN (EPSG 3067)	Transverse Mercator
Waterway sign	Finland	Point	Finnish Transport Agency	Finnish Transport Agency	Marine transport	SHP	ETRS89 / ETRS-TM35FIN (EPSG 3067)	Transverse Mercator
Fairway area	Finland	Polygon	Finnish Transport Agency	Finnish Transport Agency	Marine transport	SHP	ETRS89 / ETRS-TM35FIN (EPSG 3067)	Transverse Mercator
Fairway	Finland	Polyline	Finnish Transport Agency	Finnish Transport Agency	Marine transport	SHP	ETRS89 / ETRS-TM35FIN (EPSG 3067)	Transverse Mercator
Ports	Finland	Point	Finnish Transport Agency	Finnish Transport Agency	Inspire - Traffic networks	SHP	ETRS89 / ETRS-TM35FIN (EPSG 3067)	Transverse Mercator
Railroads	Finland	Polyline	Finnish Transport Agency	Finnish Transport Agency	Inspire - Traffic networks	SHP	ETRS89 / ETRS-TM35FIN (EPSG 3067)	Transverse Mercator
Military buffer zones	Finland	Polygon	National Land Survey of Finland	National Land Survey of Finland	General map 1:1 M	MIF	ETRS89 / ETRS-TM35FIN (EPSG 3067)	Transverse Mercator
Conservation areas	Finland	Polygon	Finnish Environment Institute	National Land Survey of Finland	General map 1:1 M	MIF	ETRS89 / ETRS-TM35FIN (EPSG 3067)	Transverse Mercator
Post code areas, population, demography	Finland	Polygon	Statistics Finland	Statistics Finland	Paavo	SHP	ETRS89 / ETRS-TM35FIN (EPSG 3067)	Transverse Mercator
Production and industrial facilities	Finland	Point	Statistics Finland	Statistics Finland	Production and industrial facilities	SHP	ETRS89 / ETRS-TM35FIN (EPSG 3067)	Transverse Mercator



















