

HELCOM Metadata catalogue

Shipping density 2016-2020 (HOLAS 3)

The shipping density map highlights the intensity of all IMO registered ships operating in the Baltic Sea for the period 2016-2020. It was extracted from the HELCOM AIS (Automatic Identification System) dataset (<https://metadata.helcom.fi/geonetwork/srv/eng/catalog.search#/metadata/2558244b-0cea-46e9-8053-af6ef5d01853>).

Simple

Date (Publication)	2023-03-13
Unique resource identifier	https://metadata.helcom.fi/geonetwork/srv/eng/catalog.search#/metadata/61121048-3848-4ed7-8f96-a67ce8133fe1
pointOfContact <i>HELCOM Secretariat</i>	
GEMET - INSPIRE themes, version 1.0	<ul style="list-style-type: none">• Transport networks
GEMET	<ul style="list-style-type: none">• merchant shipping• transportation
Keywords	<ul style="list-style-type: none">• MADS• HOLAS3• human activities
Use constraints	Other restrictions
Other constraints	Use constraints: Data can be used freely given that the source is cited (following creative commons license CC-BY). The source should be cited as: "HELCOM HOLAS 3 Dataset (2023)".
Access constraints	Other restrictions
Other constraints	Access constraints: No limitations on public access.
Spatial representation type	Vector
Metadata language	English
Topic category	<ul style="list-style-type: none">• Environment• Transportation



Begin date	2016-01-01 Unknown
End date	2020-12-31 Now
Unique resource identifier	EPSG:3035
Distribution format	<ul style="list-style-type: none">ESRI Shapefile (1.0)
OnLine resource	Download dataset (WWW:LINK-1.0-http--link)
OnLine resource	Open in Map Viewer (WWW:LINK-1.0-http--link)
Hierarchy level	Dataset

Conformance result

Date (Publication)	2010-12-08
Statement	<p>The density map is based on a grid from the European Environment Agency (EEA) and is following the INSPIRE geographical grid systems. It is dividing the Baltic Sea into cells of 1 km by 1 km.</p> <p>For each month, a value was assigned to each cell of the grid. The value is the number of trips crossing the particular cell. A trip is defined as a movement of a ship between two ports or from/to outside the Baltic Sea. A total of 245 ports and 5 areas defining the borders of the Baltic Sea were used to generate the trips as lines. The lines are joining the AIS signals (points) for each ship traveling between the ports or from/to outside the Baltic Sea. The lines were applied to the grid to count the total number of lines crossing each cell for each month. The final map displays the average per cell from 2016 to 2020.</p>
File identifier	61121048-3848-4ed7-8f96-a67ce8133fe1 XML
Metadata language	English
Character set	UTF8
Hierarchy level	Dataset
Date stamp	2023-03-31T09:49:32

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Overviews

