Helcom metadata catalogue

Chlorophyll-a

This dataset includes results of Chlorophyll-a indicator which evaluates the eutrophication status of the Baltic Sea area based on chlorophyll-a measurements. The measured average chlorophyll-a is a combined estimate of two types of data:

1) in-situ measurements from oceanographic monitoring data (surface water 0-10 m) and

2) earth observation data.

More detailed description on methodology can be found at

http://www.helcom.fi/baltic-sea-trends/indicators/chlorophyll-a/ and http://www.helcom.fi/Documents/Eutrophication%20assessment%20manual.pdf

This dataset displays the result of the indicator in HELCOM Assessment Scale 4 (Division of the Baltic Sea into 17 open sea sub-basins and division of coastal areas to WFD water types or water bodies). The open sea areas have been assessed based on HELCOM Monitoring data and earth observation data for year 2011 (ENVISAT/MERIS instrument observations with FUB bio-optical model). Results for coastal areas are based on national WFD results.

Attribute information:

“Code” = Code of the Helcom scale 4 assessment unit

"Description" = Name of the Helcom scale 4 assessment unit”

“Name” = Name of indicator

“Season” = Season of the indicator (Summer = June-September)

“Period” = Assessment unit period start and end year (20112015 = 2011 – 2015)

“ES” = Indicator value calculated for the assessment unit

“STD” = Standard deviation of data used for calculating ES

“N” = Number of samples

“ET” = Commonly agreed thershold value

“ER” = Ratio between ES and ET (in case of indicator with positive

response to eutrophication)

"ES_SCORE” = Confidence based on the data used for calculating ES

"ET_SCORE” = Confidence of target-setting procedure I_SCORE” = Confidence (%) = average of ES-Score and ET-Score

"I_SCORE” = Confidence (%) = average of ES-Score and ET-Score

“STATUS” = Status of the indicator (“Good”, “Not good” or “Not assessed”)

“CONFIDENCE” = Confidence of result based on I-SCORE (“High”, “Moderate” or “Low”)

Simple

Date (Publication)	2017-06-30
Unique resource identifier	https://metadata.helcom.fi/geonetwork/srv/eng/catalog.search#/metadata/1be194da-2013-4a66-8d35-b4195e8d3ddb
pointOfContact *HELCOM Secretariat*	
GEMET - INSPIRE themes, version 1.0	• Sea regions
GEMET	• environment
Keywords	• MADS • HOLAS2

	• Core indicator
Use constraints	Other restrictions
Other constraints	Use constraints: Data can be used freely given that the source (HELCOM) is cited.
Access constraints	Other restrictions
Other constraints	Access constraints: No limitations on public access.
Spatial representation type	Vector
Metadata language	English
Topic category	• Environment • Oceans

65.91	N	53.61	S	30.25	E	8.19	W



Begin date	2011-01-01
End date	2015-12-31
Unique resource identifier	EPSG:3035
Distribution format	• 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	The dataset was created in June 2017.
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Overviews

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