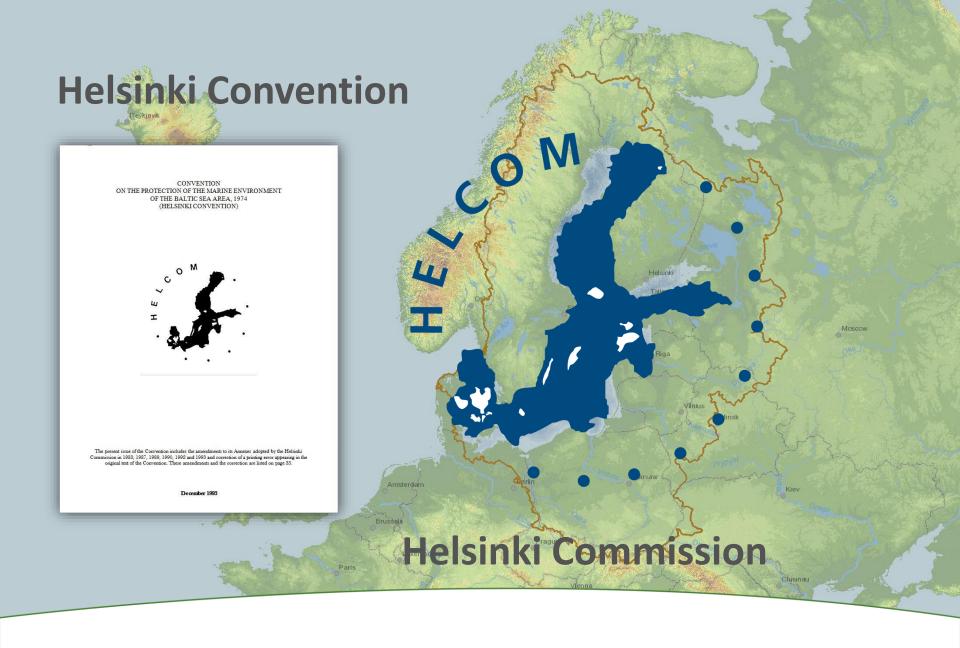
HELCOM Map and Data Service – system for making available assessment data products and underlying data for various use cases

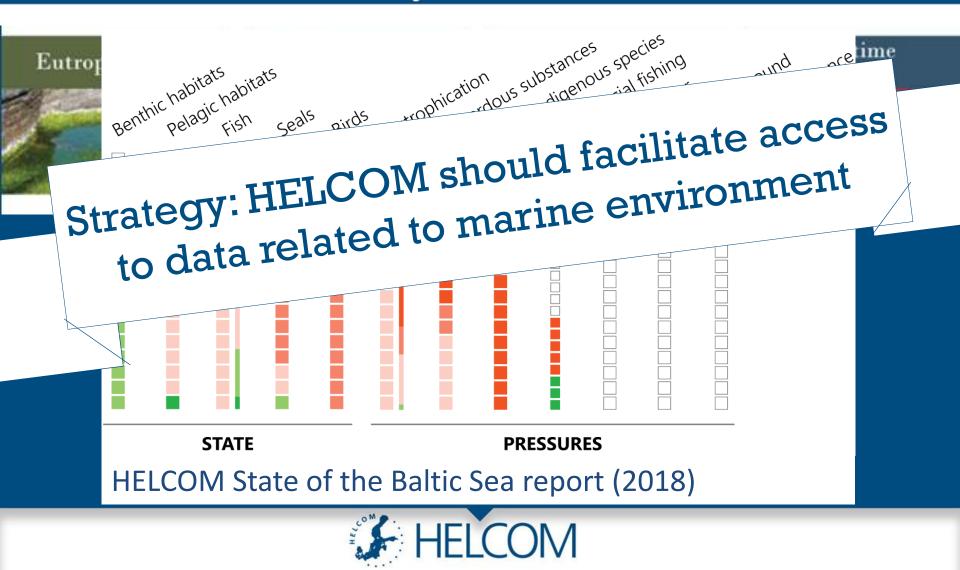
Joni Kaitaranta and Andžej Miloš HELCOM Secretariat





Vision

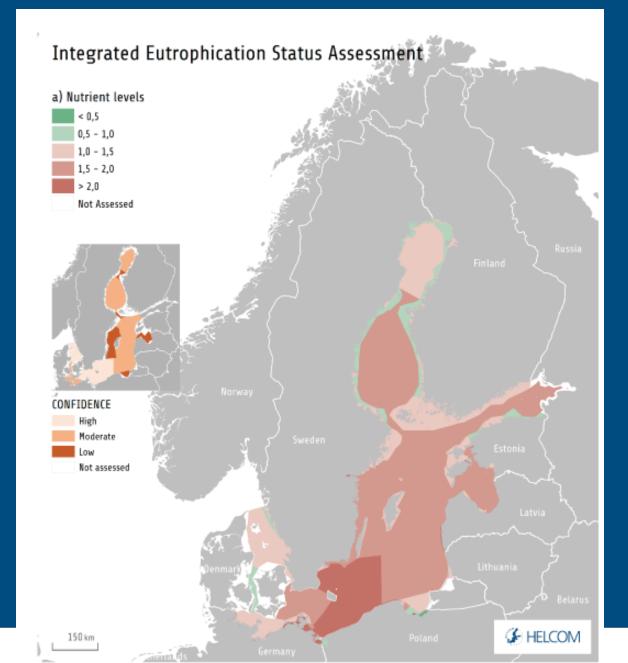
Healthy Baltic Sea



HELCOM Map and Data service is meant for...

HELCOM

From simple maps...



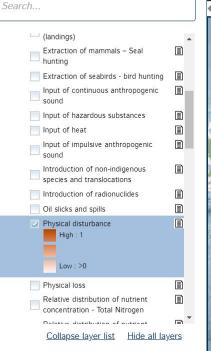


..to more complex ones (observations etc...)

Je Helcom

MAP AND DATA SERVICE

🔚 📚 📄 🛛 Metadata About





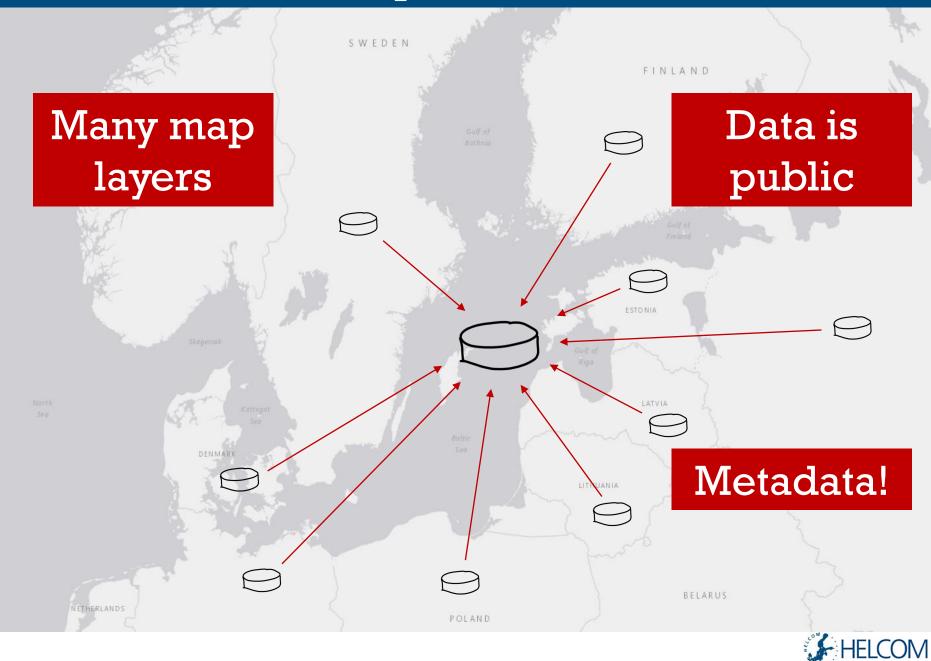


..related to different themes...





HELCOM Map and Data service



http://maps.helcom.fi/website/mapservice/index.html

rvice

Map & Data Service 2010-2016

🗋 maps.helcom.fi/website/getMetada... = 🗖

maps.helcom.fi/website/getMetadata/htm/All/Nuclear

Summary

This dataset describes the nuclear facilities in the Baltic Sea drainage area and their main discharge nuclides.

Description

This dataset describes the nuclear facilities in the Baltic Sea drainage area and their main discharge nuclides. The facilities include nuclear power plants, research reactors and other facilities dealing with e.g. fuel fabrication and waste handling.

Credits

HELCOM

Use limitations

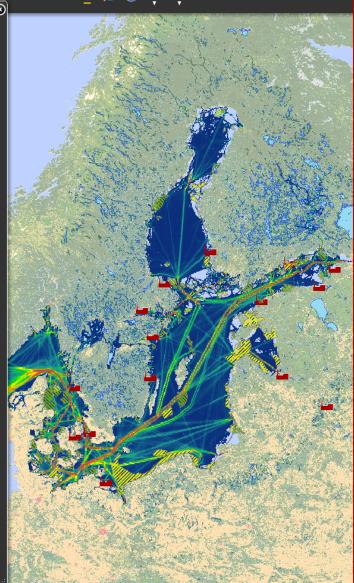
Data can be used freely given that the source is cited.

Extent

	Baltic Sea data and ma	ap s	e
		-	(8
	▼ Protected areas	e	2
	V HELCOM MPAs	=	
	💓 Designated and managed		
	📉 Designated and partly managed		
	Designated		
	Natura 2000 sites	=	
	Baltic Sea fisheries closure	🗔 🖹	
	Cod fisheries closures	=	
	Ramsar sites	=	
	UNESCO sites	=	
	Harbour porpoise		
	Salmon rivers (SALAR)		
	▼ Birds		
	🕨 📕 Important bird areas	=	
	Wintering grounds of sea birds	=	
	Maritime & Response		
	Maritime Spatial Planning		
	Defence and scientific research		
	▶ Ecology		
	▼ Energy		
	Oil platforms	=	
	Oil terminals over 3 million tonnes (2008)	=	
	Nuclear facilities	-	
	Cables and pipelines	=	
	Offshore wind farms	=	
	Fish and aquaculture		
	Nature protected areas		
	Physical features (BALANCE project)		
	▶ Plans		
	Sand and gravel extraction		
	Shipping		
	Illegal oil discharges	=	
	Emergency capacity	-	
	Shipping accidents Disk approximate (RDISK project)	=	
	Risk assessment (BRISK project)		
	Emissions		
	 Routing measures Maritime traffic statistics 		
	Maritime traffic statistics		

AlS density (monthly average 2011)

🗔 🗈 🖕





Problems with previous version (2010-2016)

Difficult to find a dataset

Time consuming and not proper metadata maintenance

Flex API not supported

Impossible to refer to a dataset



Requirements and use cases

"Data used in assessment should be made publicly available"

- \rightarrow Assessment data products (GES or not)
- \rightarrow Underlying data (evidence base)

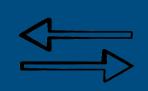
"Data should be interoperable and usable in other policy purposes"

- \rightarrow MSFD (Article 19.3, prefilling), other use cases
 - \rightarrow Referencing to indicator datasets (URL)
 - \rightarrow Metadata documentation (standards)
 - \rightarrow Standards for sharing data as service



New Map & Data Service concept







User can choose system to search data

and at any time swich to other

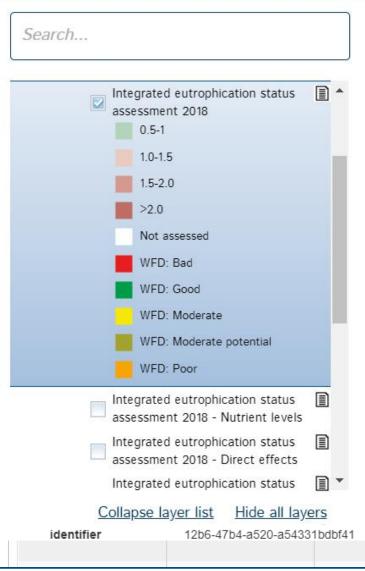


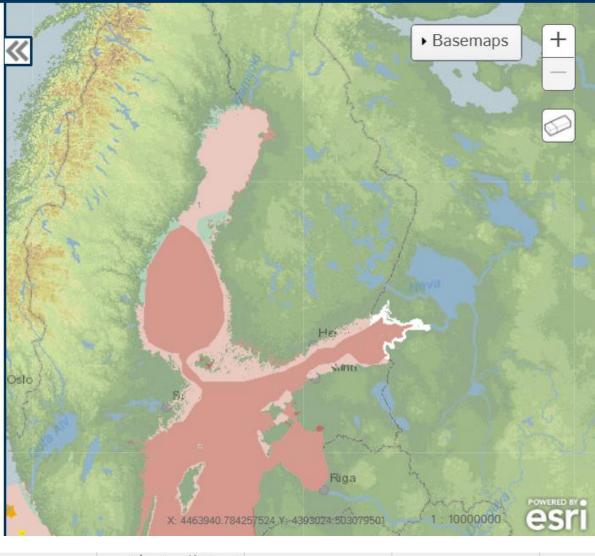
F HELCOM

MAP AND DATA SERVICE

Metadata About

SF HELCOM





coastal water, Kattegat

Results

Search, view and download functionalities implemented

Metadata editor implemented

Migrated from Flex to Javascript

Possibilty to add external dataset hosted elsewhere

Possibilty to refer to dataset with URL and query using URL parameters

Users can more easily find needed data



Thank you

The development of the HELCOM Map and Data service has been supported by:



Source code in GitHub: https://github.com/helcomsecretariat/MADS

