Abundance of salmon spawners and smolt data

This dataset represents the underlying data on core indicator Abundance of salmon spawners and smolt. The indicator evaluates the status of the Baltic Sea area based on salmon smolt production in rivers flowing into the sea, also making use of additional supporting data on numbers of adult spawners. Determination of whether the threshold value that determines good status is achieved is based on a comparison of estimated smolt production with an estimated potential smolt production capacity.

This dataset displays the result of the indicator in HELCOM Assessment Scale 2 (Division of the Baltic Sea into 17 sub-basins).

Attribute information:

River_name = Name of the river

Country = Country

A_unit = Helcom scale 2 Assessment unit

ICES_A_uni = ICES assessment unit number

year = Year

SmoltProdV = Estimates of wild smolt production (*1000) median value

Prob_inter = 90% probablitily interval

SE =

Method = Method of estimation (1. Bayesian linear regression model, i.e. river model, 2. Sampling of smolts and estimate of total smot run size, 3. Estimate of smolt run from parr production by relation developed in the sae iver, 4. Estimate of smolt run from parr production by relation developed in another river, 5. Inference of smolt production from data derived from similar rivers in the region, 6. Count of spawners, 7. Estimate inferred from stocking of reared fish in the river, 8. Salmon catch in river, exploitation and survival estimate)

Data_sourc = Data source

Data_origi = Data originator

Nat_moni = National monitoing (YES/NO, if NO specify)

Use_restri = Use restrictions (YES/NO, if YES specify)

Simple

Date (Publication)	2017-06-30
Unique resource identifier	https://metadata.helcom.fi/geonetwork/srv/eng/catalog.search#/metadata/bf5a47a1-4a95-47c0-8d3c-fe1505a44789
pointOfContact *HELCOM Secretariat*	
GEMET - INSPIRE themes, version 1.0	• Habitats and biotopes
GEMET	• spawning ground • fish
Keywords	• MADS • HOLAS2 • Core indicator data
Use constraints	Other restrictions
Other constraints	Use constraints: The data and resulting data products (tables, figures and maps) available on the indicator web pages can be used freely given that the source is cited. The indicator should be cited as following:

	HELCOM (2017) Abundance of salmon spawners and smolt. HELCOM core indicator report. Online. [Date Viewed], [Web link]
Access constraints	Other restrictions
Other constraints	Access constraints: No limitations on public access.
Spatial representation type	Vector
Metadata language	English
Topic category	• Environment

67.67	N	52.57	S	39.54	E	13.76	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 data on salmon smolt production, number of spawners and other data from national monitoring is brought by the national representatives to the annual meeting of the ICES Working Group for Baltic Sea Salmon and Sea Trout (WGBAST). The data is documented in the reports of the group and forms the basis on which the model for salmon smolt production is run. There is currently no common database. The stock data from Kattegat originates from the HELCOM SALAR project report (HELCOM 2011). River surveys include parr density estimates, smolt trapping, monitoring of spawning runs and river catches. Sea surveys include catch data, fishing effort data and catch composition estimates. Joint river and sea surveys include tagging data (tagging in rivers, recaptures from sea and river fishery). Monitoring data from each river are annually collated and processed so that updated estimates of smolt production and potential smolt production capacity (PSPC) are obtained. The procedure for obtaining the PSPC is described e.g. in ICES 2015. The Baltic salmon river stocks are divided into six evaluation areas based on the biological and genetic characteristics of the stocks and associated management objectives (see Assessment protocol figure 1). Stocks of a particular evaluation area are assumed to exhibit similar migration patterns and to be subjected to the same fisheries, experience the same exploitation rates and be affected by management in the same ways. In addition, the genetic variability between stocks of an evaluation area is smaller than the genetic variability between stocks of different areas. The level of confidence of the evaluation is moderate. Additional info: http://helcom.fi/baltic-sea-trends/indicators/zooplankton-mean-size-and-total-stock/ Link to Core indicator metadata: http://metadata.helcom.fi/geonetwork/srv/eng/catalog.search#/metadata/8ef1d239-a292-48c5-9103-0961c31416ea

File identifier	bf5a47a1-4a95-47c0-8d3c-fe1505a44789 XML
Metadata language	English
Character set	UTF8
Hierarchy level	Dataset
Date stamp	2021-09-09T12:00:35

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Overviews

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