



# Baltic Data Flows Project

**3J-11, STATE & CONSERVATION 15-2021,**

**4 October 2021**



# About

- **Improving data accessibility and harmonisation of data** on the marine environment.
- **Improving data flows** for eutrophication, HZ substances, and zooplankton, phytoplankton, and zoobenthos (the data reported to HELCOM databases hosted by ICES)
- Improving **assessment tools** (HEAT, CHASE, BEAT)
- **Increase capacity** of national competent authorities
- Further develop and implement a system for **harvesting datasets**



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# Partners

- **HELCOM (lead)**
- **ICES**
- **LHEI**
- **SMHI**
- **Spatineo inc.**
- **Stockholm University**
- **SYKE**

The Baltic Data Flows project is led by HELCOM and co-financed by the **Connecting Europe Facility** of the European Union.



# Activities

**The Baltic Data Flows project features eight activities:**

1. Increase capacity of national data host institutes
2. Further develop existing data sharing platforms
3. Data harvesting
4. New datatypes
5. Data for hazardous substances assessment
6. Data for biodiversity assessment
7. Dissemination and impact assessment



## Activity 1: Increase capacity of national data host institutes

- **Task 1.1.** Establishment of database platform for storing monitoring data
- **Task 1.2.** Establishment of metadata catalogue
- **Task 1.3.** Processing and harmonising biological community data according to a regionally agreed format
- **Task 1.4.** Synchronization of monitoring station visit-IDs between data types
- **Task 1.5.** Adding new export format to SHARK data (harvest API)

## Activity 2: Further develop existing data sharing platforms

- **Task 2.1.** Implementation of DCAT-AP/INSPIRE in regional metadata catalogues
- **Task 2.2.** Further development of HELCOM Map and Data service
- **Task 2.3.** Development and implementation of KPIs to monitor the access and use of datasets
- **Task 2.4.** Implementation of end user survey
- **Task 2.5.** Upgrade ICES Oceanographic data portal

## Activity 3: Development and implementation of data harvesting

- **Task 3.1.** Definition and agreement on a data flow process and content to be harvested
- **Task 3.2.** Definition of requirements for API to be harvested
- **Task 3.3.** Implementation of the API at data providing institutes
- **Task 3.4.** Implementation of harvesting solution to retrieve data

## Activity 4: Addition of new datatypes to existing data flows (Eutrophication)

- **Task 4.1.** Definition of ferrybox data products for assessment
- **Task 4.2.** Definition of earth observation data products for assessment
- **Task 4.3.** Implementing tools for creating indicator data products
- **Task 4.3.** Making assessment data products FAIR



## Activity 5: Further development of data processing and software used in hazardous substances assessment

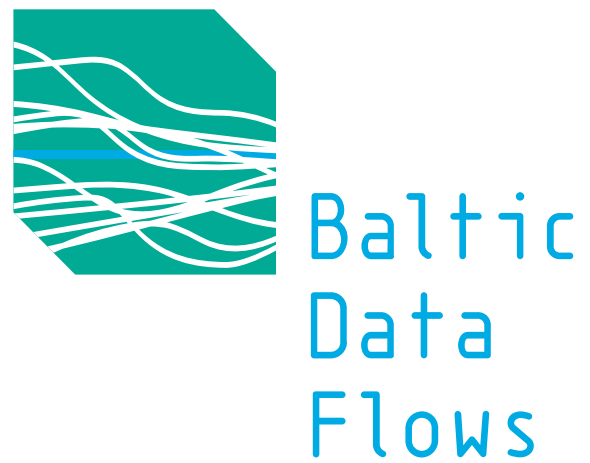
- **Task 5.1.** Reviewing and developing methodology for hazardous substances indicator calculation
- **Task 5.2.** Developing methodology for integrated assessment (*CHASE*)
- **Task 5.3.** Further developing hazardous substances online assessment tool
- **Task 5.4.** Making assessment data products FAIR

## Activity 6: Development of data processing and software to be used for biodiversity assessment

- **Task 6.1.** Reviewing and updating indicator data requirements for harmonized indicator data products
- **Task 6.2.** Reviewing and developing methodology for indicator calculation, specifically for each biodiversity indicator
- **Task 6.3.** Developing methodology for integrated biodiversity assessment and assessment tool
- **Task 6.4.** Making assessment data products FAIR

## Activity 7: Dissemination and impact assessment

- **Task 7.1.** Create visual identity for the project
- **Task 7.2.** Create project website (<https://balticdataflows.helcom.fi>)
- **Task 7.3.** Outreach for dissemination by project partners
- **Task 7.4.** Impact assessment



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