



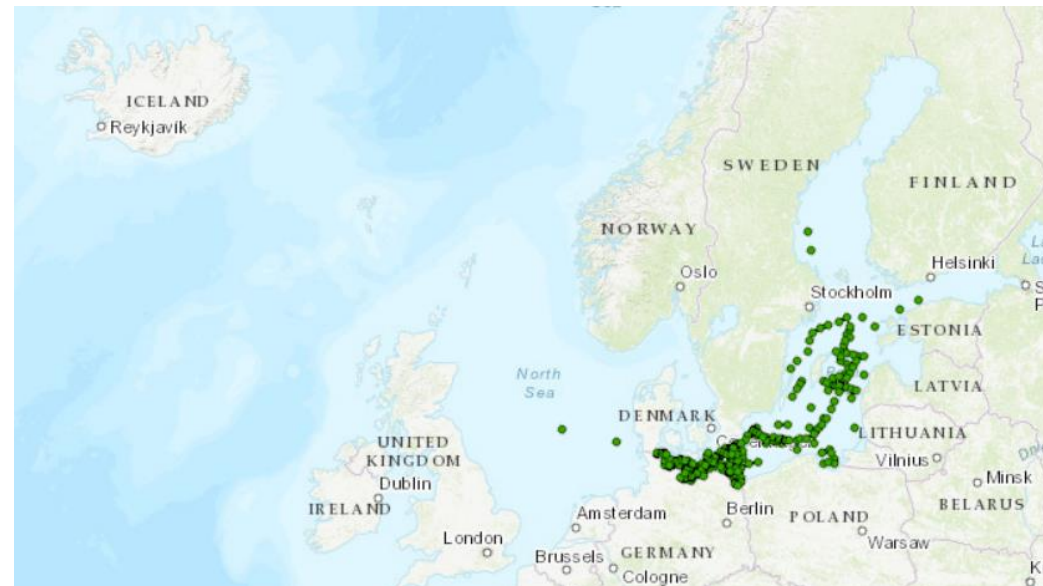
German sources of reference data: IOW and BSH and other institutes

Henry Bittig and Birgit Klein

Marginal Seas Argo DMQC workshop, Sopot,
Poland 18.04.2023-19.04.2023

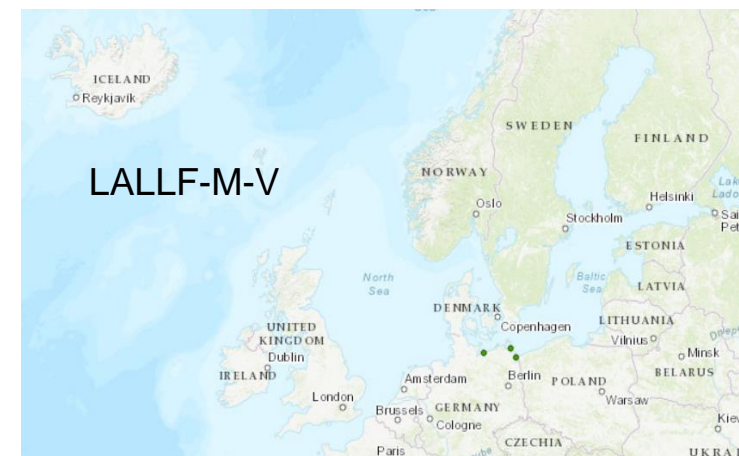
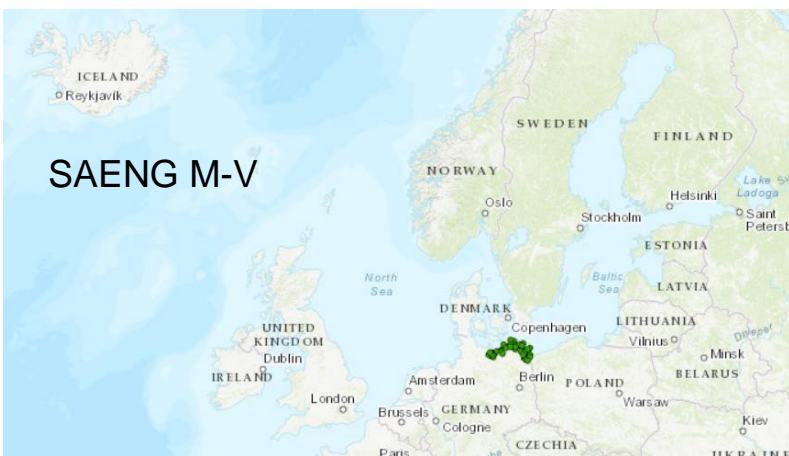
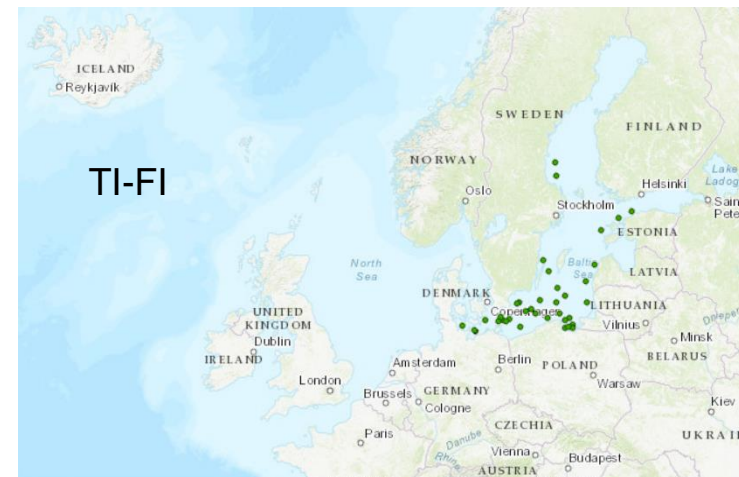
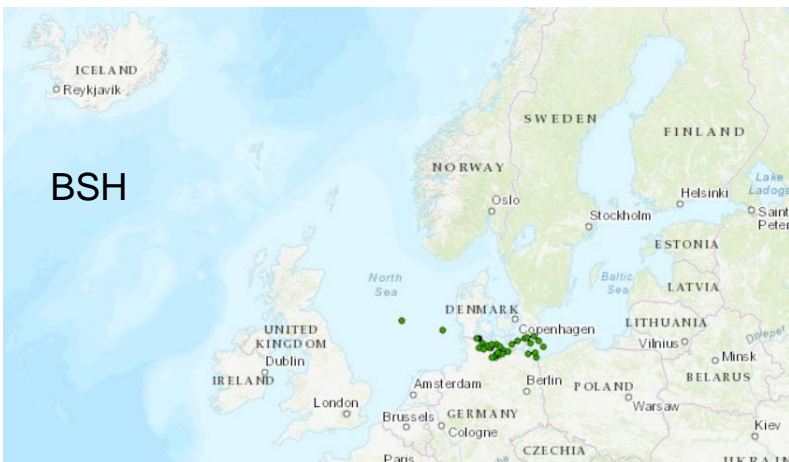
Hydrographic data are delivered to ICES either directly or through MUDAB@BSH by a number of institutions:

- Federal Maritime and Hydrological Agency BSH
- Leibnitz Institute for Baltic Sea Research IOW
- State Agency for Environment, Nature and Geology, Mecklenburg Vorpommern
- State Agency for Nature and Environment of Schleswig-Holstein (LANU)
- State Office for Agriculture, Food Safety and Fishery (LALLF-M-V)
- Thünen-Institute of Fisheries Ecology (TI-FI)



<https://www.ices.dk/data/tools/Pages/Station-dictionary.aspx>

Spatial distribution of data





ICES data portal

File Edit View Chronology Bookmarks Extras Help

BSH Startseite - inet ICES Marine Data ICES DataPortal

https://data.ices.dk/view-map

Localwww Google HVV DB Fahrplan BBC - bbc.co.uk home... euro_argo / Ifremer - ... ArgosWeb- /Logon.do aic Outlook Web App Argo Data Manageme... RACE HRS Weitere Lesezeichen

- Bottle and Low Resolution CTD Data
- High Resolution CTD Data

Search Criteria

- High Resolution CTD Data
- Bottle and Low Resolution CTD Data

Layer

Drag a column and drop it here to group by that column

<input checked="" type="checkbox"/>	Theme	Dataset	Layer type	Start date	End date	Total events
<input checked="" type="checkbox"/>	Ocean hydrochemistry	High Resolution CTD Data	Input data	2021	2021	5,566
<input checked="" type="checkbox"/>	Ocean hydrochemistry	Bottle and Low Resolution CTD Data	Input data	2021	2021	4,010

1-2 of 2

Submitted CTD and bottle data for recent years

Only quality controlled data are submitted → Delays of up to one year or more until in data base

2021 CTD data: Germany



2022 CTD data: Germany



2019 CTD data: Germany





ICES data exchange through MUDAB

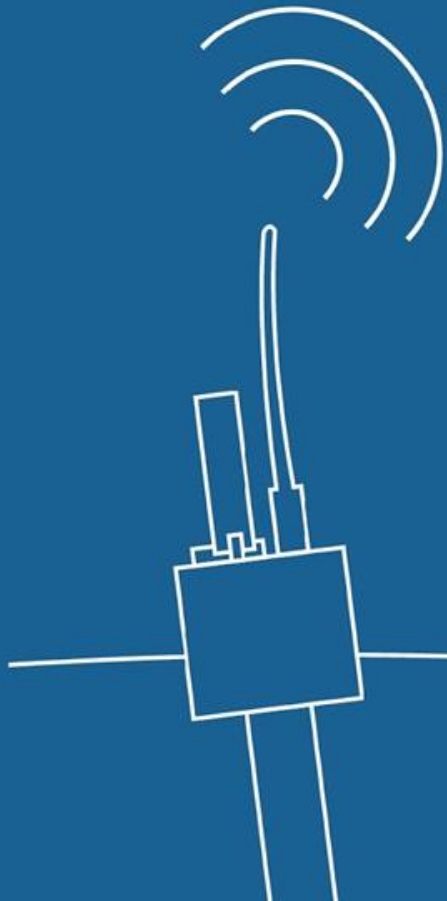
Data quality of data submitted to ICES

Only data are exchanged between MUDAB and ICES which have been quality controlled and have a good quality flag in MUDAB, which can be 1 or 2. Since ICES has other flags both are changed to A before exchange to ICES.

- Flag A: Acceptable value – data found acceptable by originators internal quality control checks.

Additional German data:

- IOW und BSH monitoring profiles which are not BLMP stations are not delivered to ICES and only go to MUDAB. 10-20% of monitoring stations are concerned, could be potentially collected.



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