Common European FerryBox Database

Current status and next steps
Gisbert Breitbach (HZG), Pierre Francois Jaccard (NIVA), Simon Jirka (52N), Seppo Kaitala (SYKE), Wilhelm Petersen (HZG), Susanne Reinke (HZG), Lid Sjur Ringheim (IMR), Henrike Thomas (HZG)
Common European FerryBox Database and Data Portal

European FerryBox Data Portal
- DB is transect orientated
- web based tools for:
  - different kind of plots
  - export of selected transects and parameters
  - quality assurance

From Operator/Institute or via ROOSs

near real-time data including QFs
→ complete transects in defined formats

Common European FerryBox Database

FTP Server

Archive
GoSUD Data Portal
CMEMS Copernicus Service
EMODnet Portal

Export Service OceanSITES NetCDF
Changes so far

• Modifications of the user interface for the database.
  ‣ Areas
  ‣ Data assessment
  ‣ Changelog

• Import of new routes on a regular base. (Hurtigruten IMR, Helsinki-Travemünde SYKE, Oslo-Kiel and Tromsø-Skalvard NIVA)

• Establishment of a 52N SOS V2 service at HZG and integration of it into FerryBox dataportal

• Next steps
  ‣ Other new routes (Tunis, HCMR, AWI Helgoland, Talinn-Helsinki, Talinn-Mariehamm-Stockholm)
Areas defined in database

- Only routes intersecting the selected areas are shown.
Select areas:
- Arctic-ROOS
- BOOS
- IBI-ROOS
- MONGOOS
- NOOS
- No Area

Select route:
- Gothenburg-Kemi-Travem (SMHI, SE)
- Gothenburg-Zeebrugge
- Helsinki-Tallinn (MSI, FI)
- Helsinki-Travemuende (SYKE, FI)
- Oslo-Hirtshals (NIVA, NO)
- Oslo-Kiel (NIVA, NO)
- Tall-Mar-Stock (EMI)

Set Max Deviation: ___________ (km)

Set X-Axis Dimension: Distance Lat. Long.

Set X-Axis Range: ___________ - ___________ (km)

Set Y-Axis Scaling: fixed dynamic

Set Plot Geometry: auto x auto (Pixel)

Set Plot Colors: White/Yellow

Set Font Type/Size: Arial (10pt)

Set Line Thickness: 2

Set Marker Size: auto Marker Color: Black

Set Grid: yes no

Set Info Text: yes no

Set Plot Title: yes no
Data Assessment

Areas: Arctic-ROOS, BOOS, IBI-ROOS, MONGOOS, NOOS, No Area

Route: Buesum-Helgoland

Parameter: Salinity

Section: Helgo-Bues

Date and Time:
- 10.10.2017 14:08 Helgo-Bues
- 09.10.2017 14:06 Helgo-Bues
- 08.10.2017 14:05 Helgo-Bues
- 30.09.2017 14:03 Helgo-Bues
- 29.09.2017 14:07 Helgo-Bues

Transects:
- 28.09.2017 14:05 Helgo-Bues
- 27.09.2017 14:07 Helgo-Bues
- 25.09.2017 14:06 Helgo-Bues
- 22.09.2017 14:05 Helgo-Bues
- 21.09.2017 14:04 Helgo-Bues
- 19.09.2017 14:07 Helgo-Bues

Action: Set Quality

Quality: 6: probably good data, QC data (reference samples or calibration data) not available

Overwrite higher values: [ ]

Method: Control Parameters

Missing Control Value: Ignore action, apply action, interpolate control value

First Criterion: FlowRate_Inlet

Type: Value, Minimum, Maximum, Stddev_pct, Quality

Min. Value: 1000

Max. Value: 

Negate: 

And/Or: 

Preview, Cancel
Changelog

• All data modifications are logged. The log can be viewed filtered by route, operation, or person.
New routes imported on a regular base

1. Hurtigruten by IMR

Data are exported back to IMR in Oceansites netCDF format for CMEMS.
New routes imported on a regular base

2. Helsinki-Travemuende by SYKE
SOS V2 Link
New routes imported on a regular base

3. Oslo-Kiel and Tromsoe-Longyearby by NIVA
SOS V2 Link Spitsbergen
Oslo-Kiel
HZG routes in FerryBox database
All routes with automatic data ingestion
Will be added in near future

- HCMR: Peraues-Souda should be added this year (2017)
- INSTM: Tunis-Genova and Tunis-Marseille in principle tested
- EMI: Tallinn - Mariehamn - Stockholm
- TUT: Tallinn-Helsinki
- Hopefully later: AWI Cuxhaven-Helgoland and SMHI Helsinki-Stockholm. France - UK and Ireland …
All routes with automatic data import in near future.
Next Steps

• Import additional routes

• If transects should be exported to CMEMS, … additional metadata are needed.

• Currently exports are done soon after the import. If data were modified no automatic reexport will happen. This must be changed.

• Agreement on quality assurance. What should be done by every data provider.
Thank you