

RV Endeavour Ferrybox 2009-2017

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Cefas

Cefas Endeavour

300+ days at sea

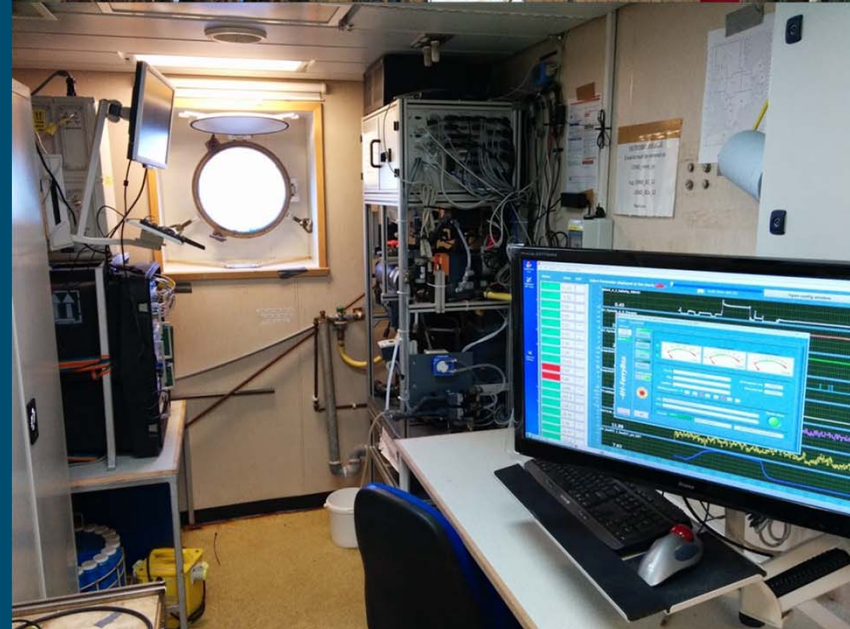
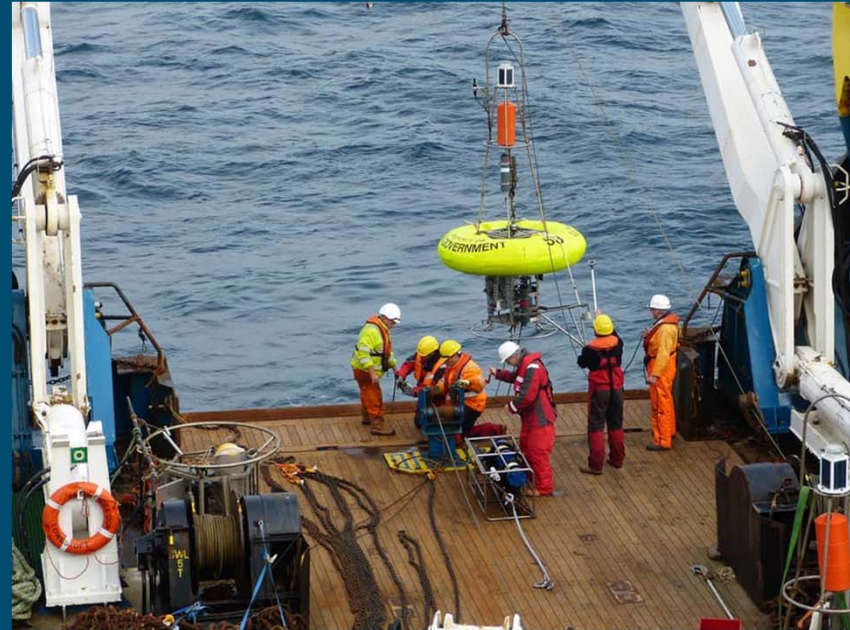
No fixed route
(random walk)

Varied crew +
charters

4H-JENA system

Twin pumps

Twin debubblers



Instruments / Parameters

Biogeochemical

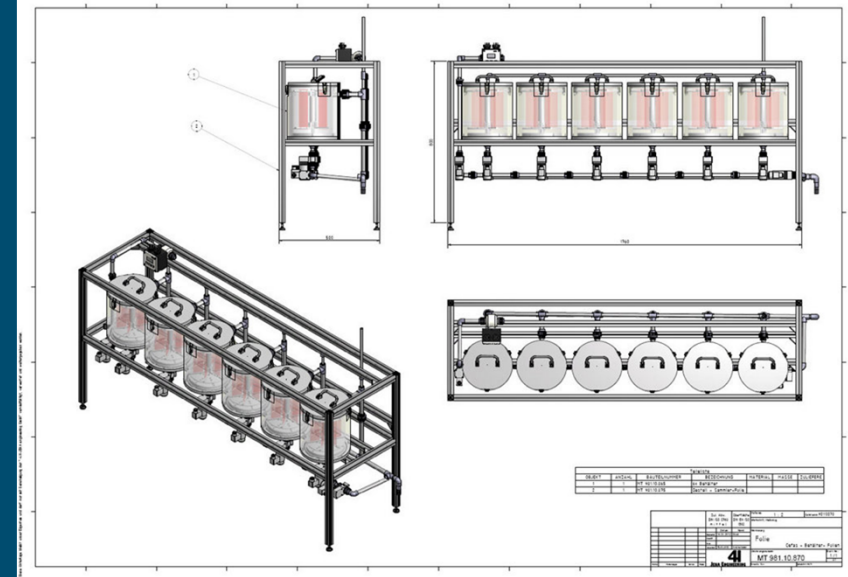
- Hull PRT (SST)
- SBE45 (Salinity)
- Seapoint Fluorometer (Chlorophyll fluorescence)
- Turner Phytoflash (Phytoplankton quantum efficiency)
- Two optodes (Oxygen)
- Optical backscatter (Turbidity)
- SeaFET (pH)
- PML/Dartcom (pCO₂)
- UEA (CH₄)

Ecotox

Marine Litter

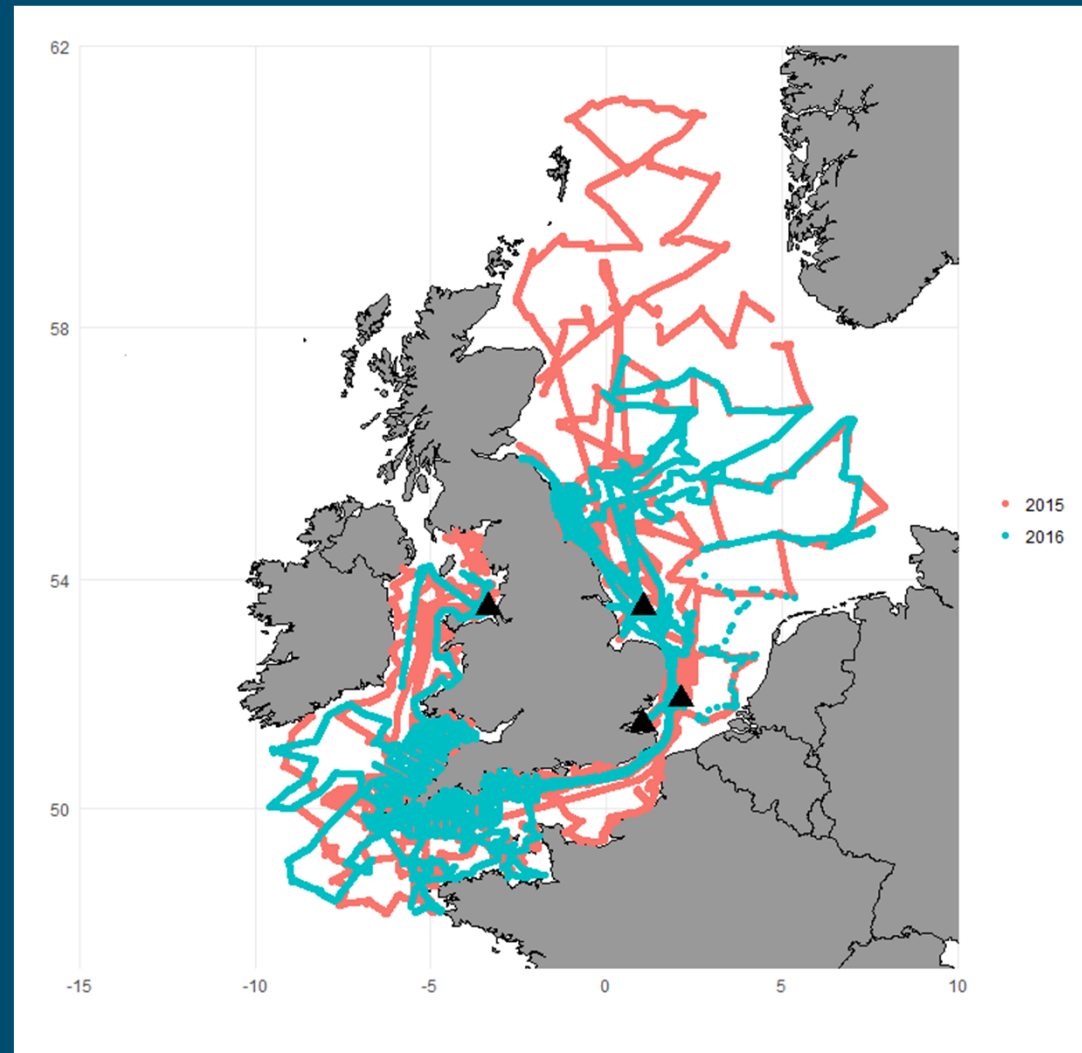
Bio

- CALPS
- Cytobuoy Flow cyto
- Flowcam



Data

- Model & Satellite validation
- Water quality assessments
- Data portals (EMECO, datahub)
- Supports other R&D fisheries, MPA, SmartBuoy etc



Lessons

Data interpretation

Change management

Remote connection

Ship physics

QC issues

Calibrations (ChI!)

References/SmartBuoys



Next

- Multi-pigment fluorometer (Chelsea V-Lux)
- netCDF DOIs minted

The screenshot shows the Cefasdatahub website. At the top left is the logo 'Cefasdatahub' with a colorful diamond icon. Below the logo are three dark blue buttons: 'Search', 'Keywords', and 'Contact us'. The main content area has a breadcrumb 'Home > Search' and a paragraph: 'Cefas is a world leader in marine science and research. In support of our commitment to open data access and open science, we have information on 2006 data holdings, with 5517 data sets available for download.' Below this is a search input field and a 'Search' button. There are two sections for browsing data: 'Browse data by keyword:' and 'Browse data by location:'. The keyword section features a word cloud with terms like 'Coastal environment', 'Pelagic', 'Benthos', 'FishDAC', 'Advice', 'Management', 'Fisheries', and 'Shellfish'. The location section shows a map of Europe with a color gradient from green to red, indicating data density. A scale bar shows 500 km and 300 mi.