

# Research Data Management at IOW, 2018

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## Data policy

- First published: April, 2018
- Reviewed at regular intervals

<http://www.io-warnemuende.de/data-policy.html>



The screenshot shows the "IOW Data Policy" page. At the top right is the IOW logo. Below it is the title "IOW Data Policy". A sub-section header "The Leibniz-Institute for Baltic Sea Research (IOW) has a policy on data in order to:

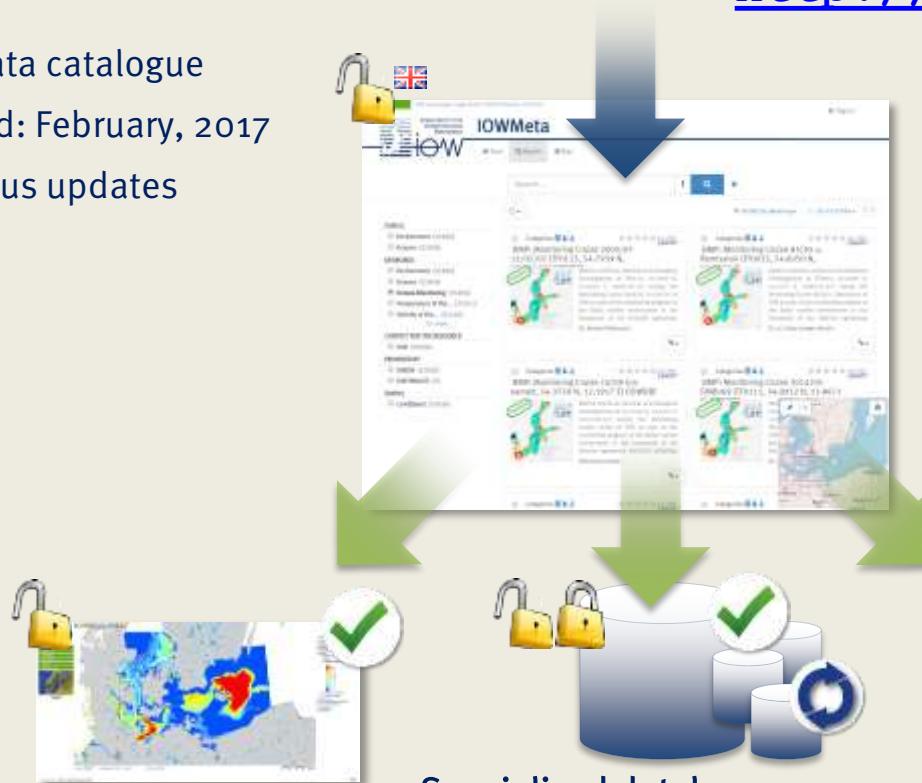
- a) Ensure the continuing availability of research data of long-term value for research, teaching and for wider exploitation for the public good, by individuals, government, business and other organisations;
- b) Support the integrity, transparency and openness of the underlying research;
- c) Help in the formal publication of data sets, as well as enabling the tracking of their usage through citation and data license;
- d) Meet relevant legislation and government guidance on the management and distribution of environmental and research data.

A note below states: "This policy will be reviewed at regular intervals to ensure it keeps pace with scientific requirements and data management best practice."

Below this is a section titled "Definitions". It defines "Environmental Data" as those data obtained by observation and sampling of the natural world. It notes that Environmental Data can always be geo-referenced. It also mentions that laboratory analysis of geo-referenced samples yields Environmental Data.

## IOWMETA

- A metadata catalogue
- Published: February, 2017
- Continuous updates



## IOWebGIS

<http://bio-50.io-warnemuende.de>

- Distribution maps
- Maps from modell runs
- Oxygen deficiency maps

## Specialized databases

- Oceanographic Database of IOW (IOWDB), 1877-2017, >72 Mio data points
- Planned: BenthosDB

- Automatic retrieval of descriptive information from heterogeneous data sources at IOW
- Automatic conversion into metadata compliant with ISO 191xx
- Data exchange with national & international partners
- Directs users to appropriate data source

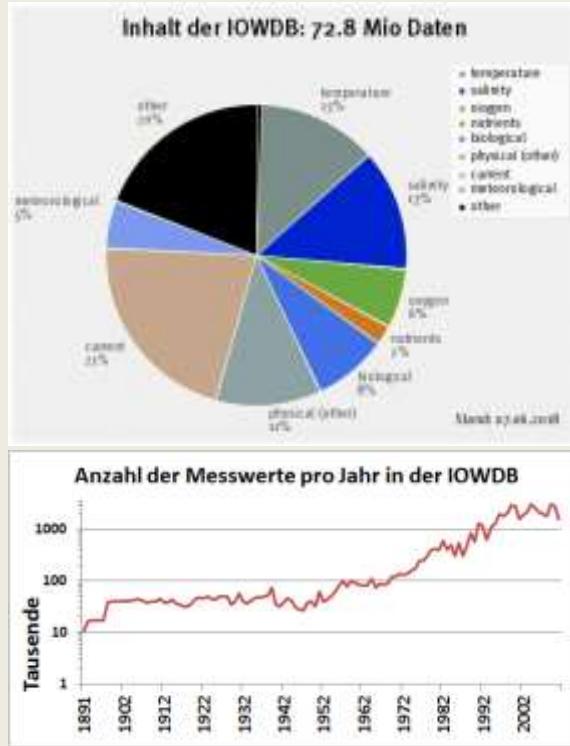


## Other data sources

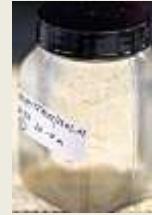
- Modelling data („Thredds Server“)
- Central, indexed file systems
- DOI server



# Die IOWDB – in Parametern

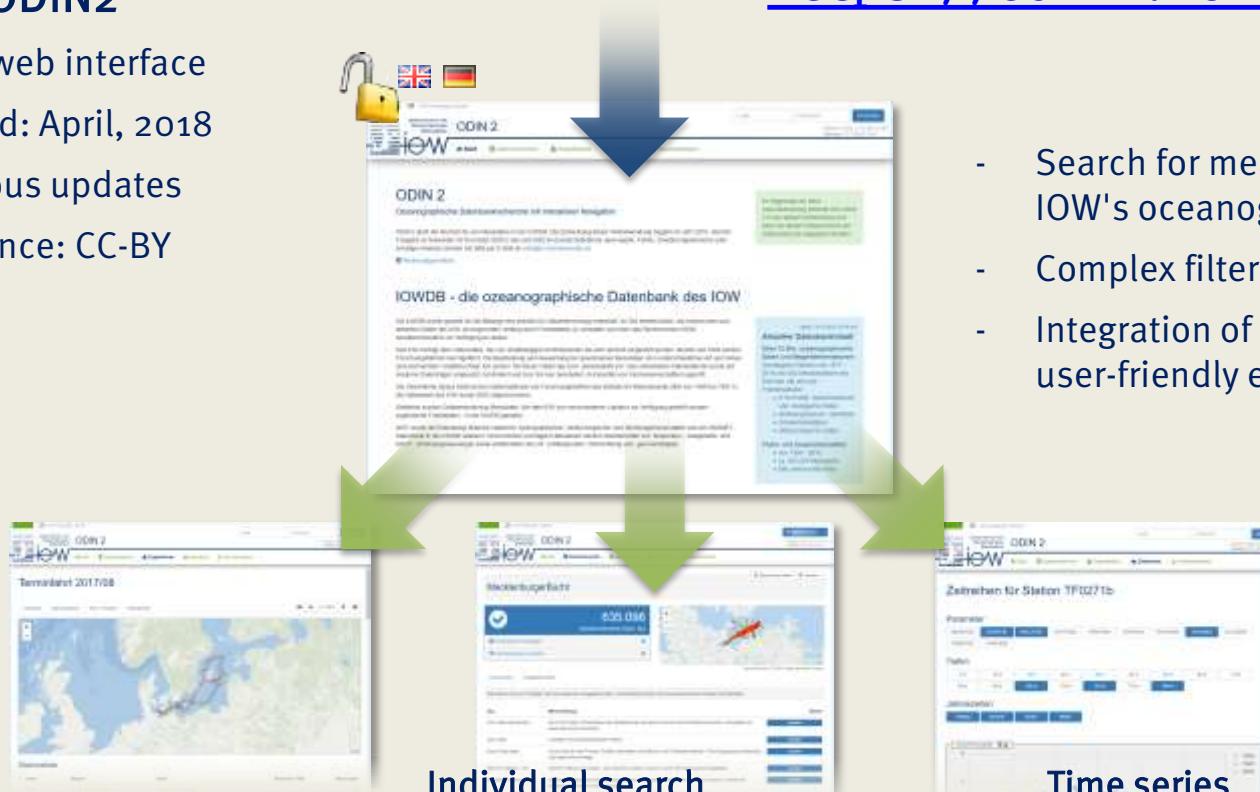


- CTD-Profile
- Hydrochem. und –biolog. Daten
- MARNET Dauerstationen
- Strömungsmesser-Zeitreihen
- Schwermetalldaten
- meteorologische Daten
- Historische Langzeitmessungen
- Daten aus internationaler Kooperation



## IOWDB / ODIN2

- Modern web interface
- Published: April, 2018
- Continuous updates
- Data licence: CC-BY



## Campaigns

- Overview of all cruises and research campaigns
- Station lists, depth profiles
- Cruise inventory
- Documentation

## Individual search

- Filter options for
- Geographic areas or coordinates
  - Time, season, depth, parameter, cruises, positions
- Export in text, excel, netCDF,...

## Time series

- Automatic visualisation of long term data series at monitoring stations
- Options: position, parameter, depth, season

## DOI-server

- First published: July, 2013
- First datasets: July, 2017



## Marine Science Reports

- All issues (106) available online
- Licence: CC-BY-NC-ND

## Datasets

- Finalized datasets (6)

## Conference proceedings

- Baltic Sea Science Conference (BSSC)
- 8th International Phosphorus Workshop (IPW8)