

## Open Data Policy

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## Open Data Policy

Thomas Dehling



Presentation at 8th Workshop „Seabed Acoustics“ November 2017



## Contents

- Open Data
  - - in Science
  - - in Government
- IHO
- EU
- Germany
- Making use of the data



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## Open Data

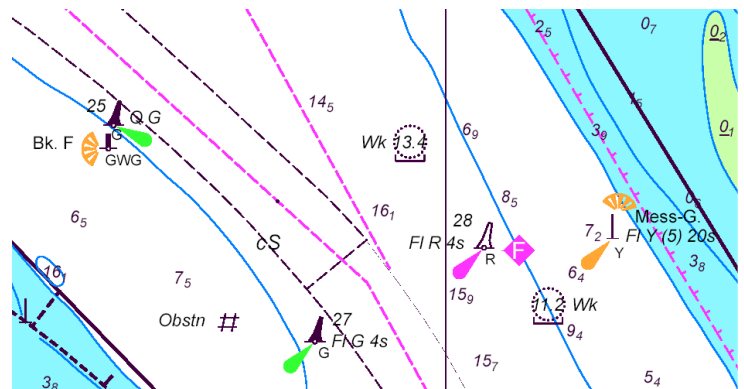


### One out of many Definitions:

Open data is the idea that (digital) data should be freely available to everyone to use and republish as they wish, without restrictions from copyright, patents or other mechanisms of control.

#### Types of data

- Raw data
- Processed data
- Digital products



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## Open Data



### Pros:

- Data belongs to mankind (geodata, scientific data)
- Data gathering and processing paid by government belongs to tax payers
- Cooperation generated by free access and use of data enhances the usability and usefulness for the public and the author (as in Wikipedia)
- Support of research by giving free access to scientific knowledge
- Less costs for administration of data licensing

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## Open Data



### Cons:

- Copyright issues
- Necessary profit for author/originator
- Patent rights may be affected
- Open Data funded with taxes may hamper commercial competitors
- Quality assurance and liability
- Security issues
- Protection of personal data

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### Open Data in Science

#### Questions and difficulties:

- Scientific advantage until research has been published
- Scientists generally see published data as belonging to the scientific community.
- Some publishers claim copyright over data.
- Some internal researches take many years before huge data sets are being made freely available.
- Who has paid for the data collection?

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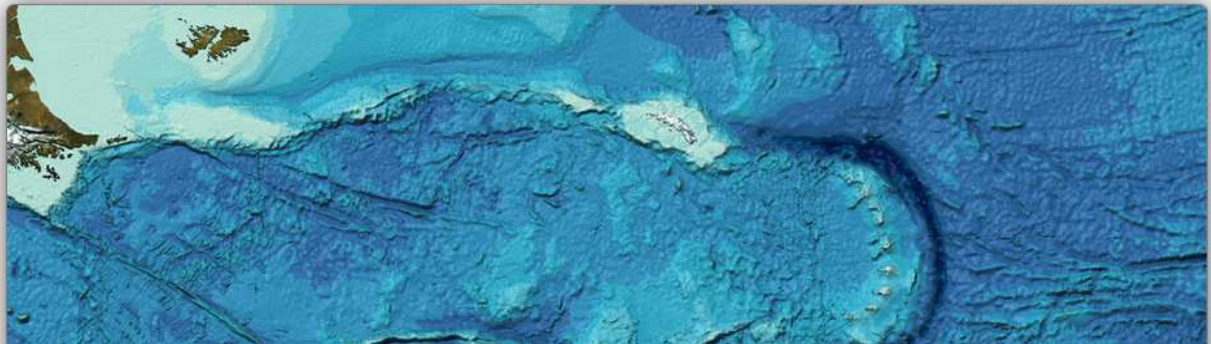
## Open Data in Science



### Examples in Hydrography



The General Bathymetric Chart of the Oceans (GEBCO) aims to provide the most authoritative, publicly-available bathymetry data sets for the world's oceans.



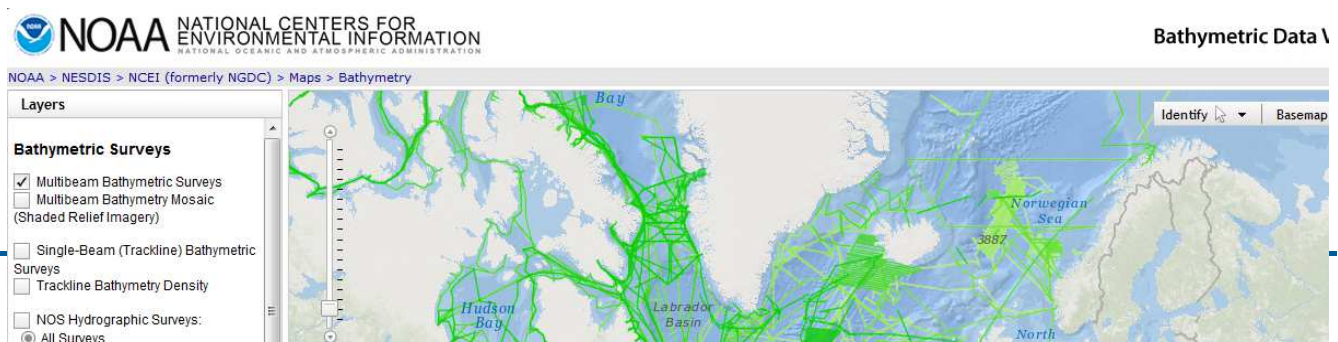
## Open Data in Science



### Examples in Hydrography

#### IHO Data Centre for Digital Bathymetry (DCDB)

- contains oceanic soundings acquired by hydrographic, oceanographic and other vessels during surveys or while on passage.
- Data are publically available.

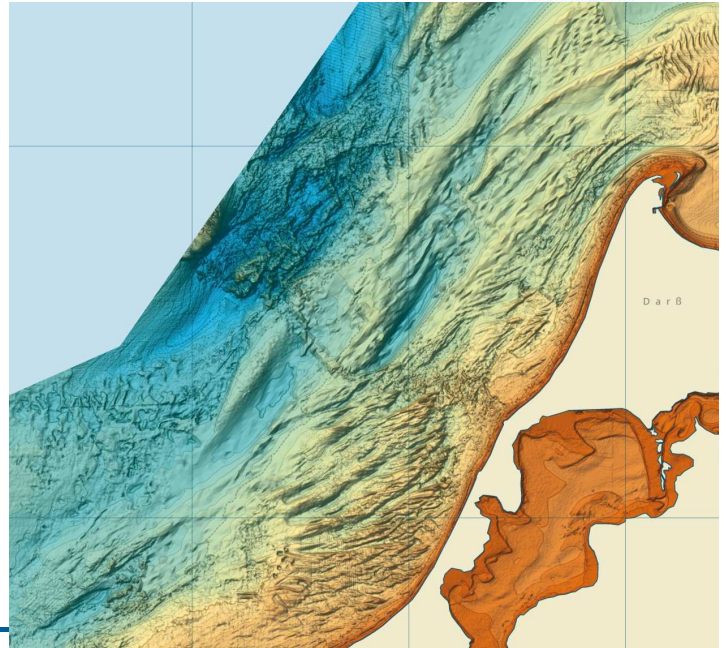


## Open Data in Government



### Open (Government) Data

- Data from Government and Administration
- Free use
- Exception a.o.
  - Personal data
  - Security-relevant data
- Not generally free of charge



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## IHO



### Different views in Member States

#### Difficulties:

- Military defense and economic issues
- Some HOs directly depend on income

#### Activities:

- GEBCO
- Seabed 2030
- Crowd Sourcing



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Decision governing the re-use of Commission's own information (2011/833/EU)

As a default rule, reuse has to be allowed for non-commercial and commercial purposes:

- without the need for an individual application
- without charging the re-user
- without putting conditions on the reuse
- without discriminating between re-users



(subject to duly justified exceptions: e.g. personal data)

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### Several laws/acts in Germany, a.o.

- Geodatenzugangsgesetz (geo data access)
- Informationsfreiheitsgesetz (freedom of information)
- Informationsweitergabegesetz (dissemination of information)
- eGovernmentgesetz
- Open Data Gesetz



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Germany



BUNDESAMT FÜR  
SEESCHIFFFAHRT  
UND  
HYDROGRAPHIE

## Open Data Gesetz (Open Data Act)

The act changes the „eGovernment-Gesetz“ in 2017

New is especially

### § 12a Offene Daten der Behörden der unmittelbaren Bundesverwaltung

(Open Data of agencies directly subordinated to the Federal Administration)

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## Open Data Gesetz (Open Data Act)

### § 12a (Open Data) excerpt:

(1) „Federal Agencies“ provide **raw data (unprocessed data)**

- Collected to fulfill their official tasks (on their own or assigned)
- To download via public networks
- No general legal obligation

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## **Open Data Gesetz (Open Data Act)**

### **§ 12a (Open Data) excerpt:**

(2) Only for data,

1. Stored and available electronically in structured „data bases“, spreadsheets or lists
2. Exclusively contains facts that refer to external circumstances
3. Not result of processing Data by a Federal Office,
4. not processed, except due to legal or factual reasons and necessary to publish the data
5. Not collected for research purposes

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## **Open Data Gesetz (Open Data Act)**

### **§ 12a (Open Data) excerpt:**

(7) Free of charge and no limitation to use and process the data

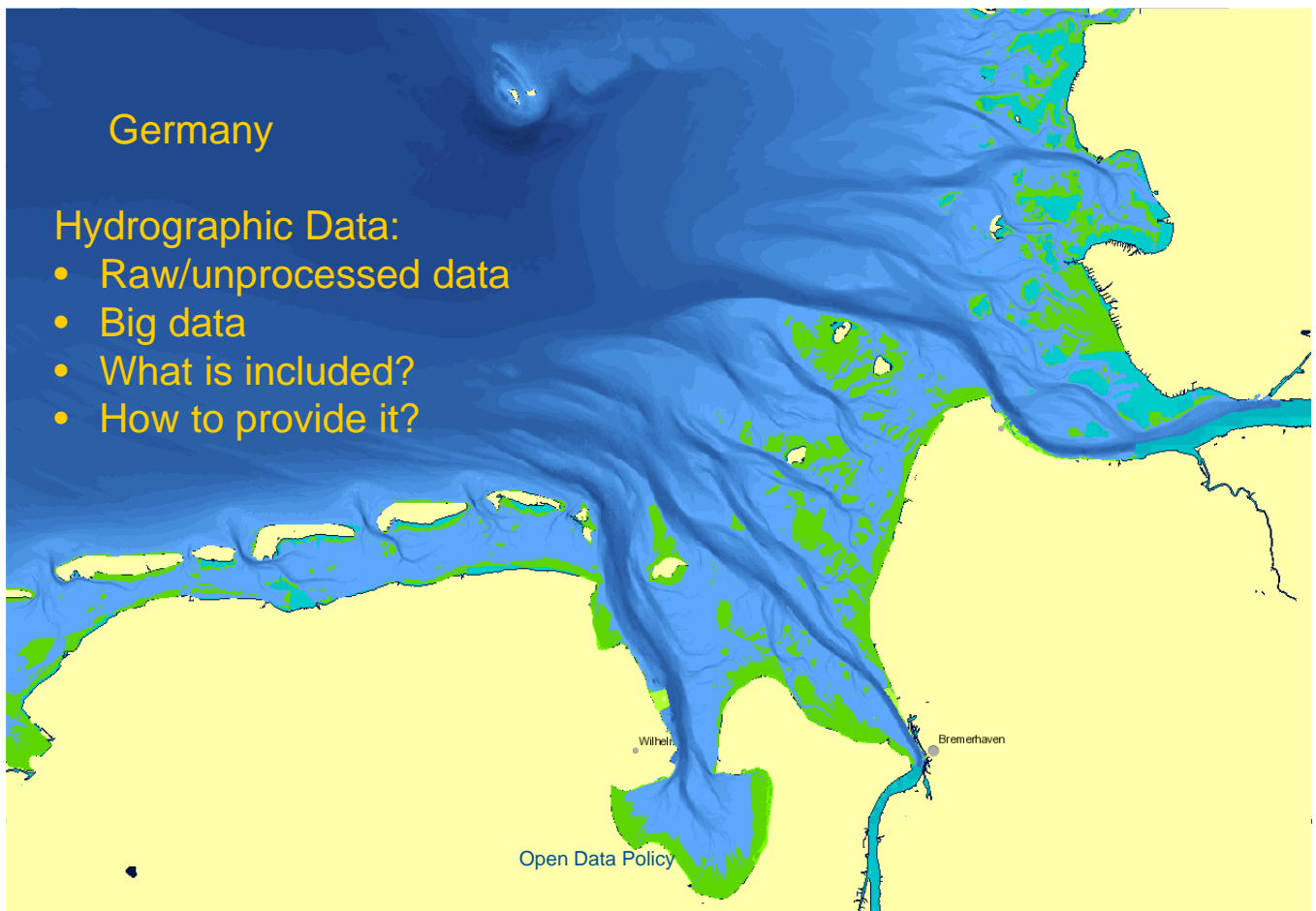
(9) No quality control or quality assurance

### **Remarks**

- Mainly focussed on „regular“ data (not geodata)
- Difficult to translate into hydrographic context

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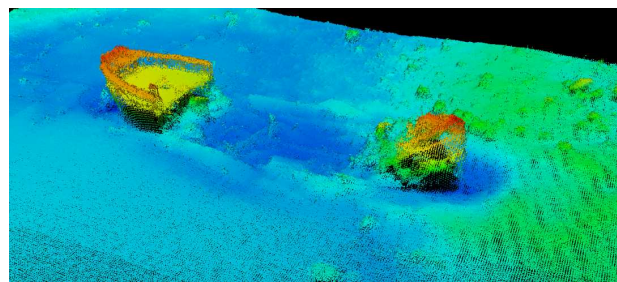


## Making use of the data



### Germany

- mFund (modernization Fund)
- Ministry of Transport (BMVI) supports development of digital business ideas based on mobility and spatial data, includes new navigation services, intelligent journey planning...
- supports founders and start-ups in realizing these ideas.



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## Making use of the data



### Germany


- Hackathon or Data Run
- Ministry of Transport (BMVI) in 11/2015 and 12/2016.




# BMVI DATA-RUN

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## Making use of the data



EU **Open Data** Portal



EU2017.EE

Estonian Presidency of the Council of the European Union

Use #EUopendata to create the winning app!

# #EUdatathon2017

15.10	Team registration with proposal for an app
23.10	Notification of shortlisted teams
12.11	Submission of final app
16.11	Final event in Brussels (registration necessary)

- <http://data.europa.eu/euodp/en/home>

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## Making use of the data



The participants have the opportunity to demonstrate how open data from public institutions can be used to address specific policy or societal challenges and generate jobs and growth.

Winners will present their product at the European Big Data Value Forum in Versailles, 21-23 November 2017.

Use #EUopendata to create the winning app!  
**#EUdatathon2017**

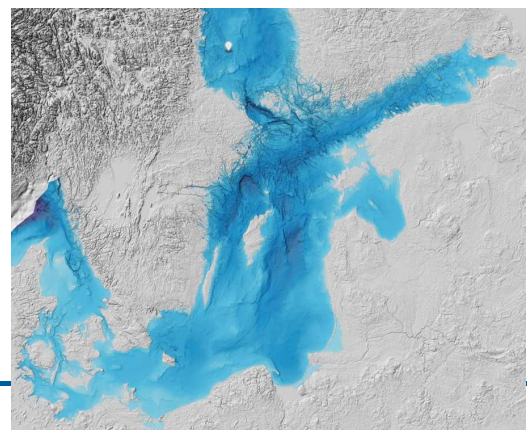
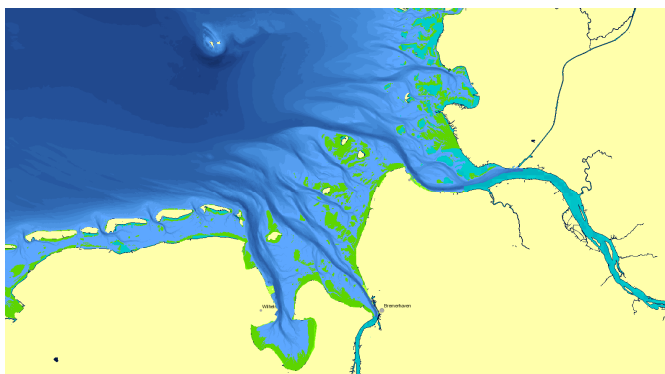
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## Making use of the data



**In my view the benefit for the national economy of providing open data freely available to the public exceeds the direct financial loss by far.**



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I wish you a fruitful meeting!



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