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## Motivation

- Integrated access to distributed data
- Semi-automatic aggregation of data

## General objectives

- Access to hidden data and information
- Long-term sustainability of infrastructure
- Curation center for workflows, editorial of vocabularies and data management

## Providing access to

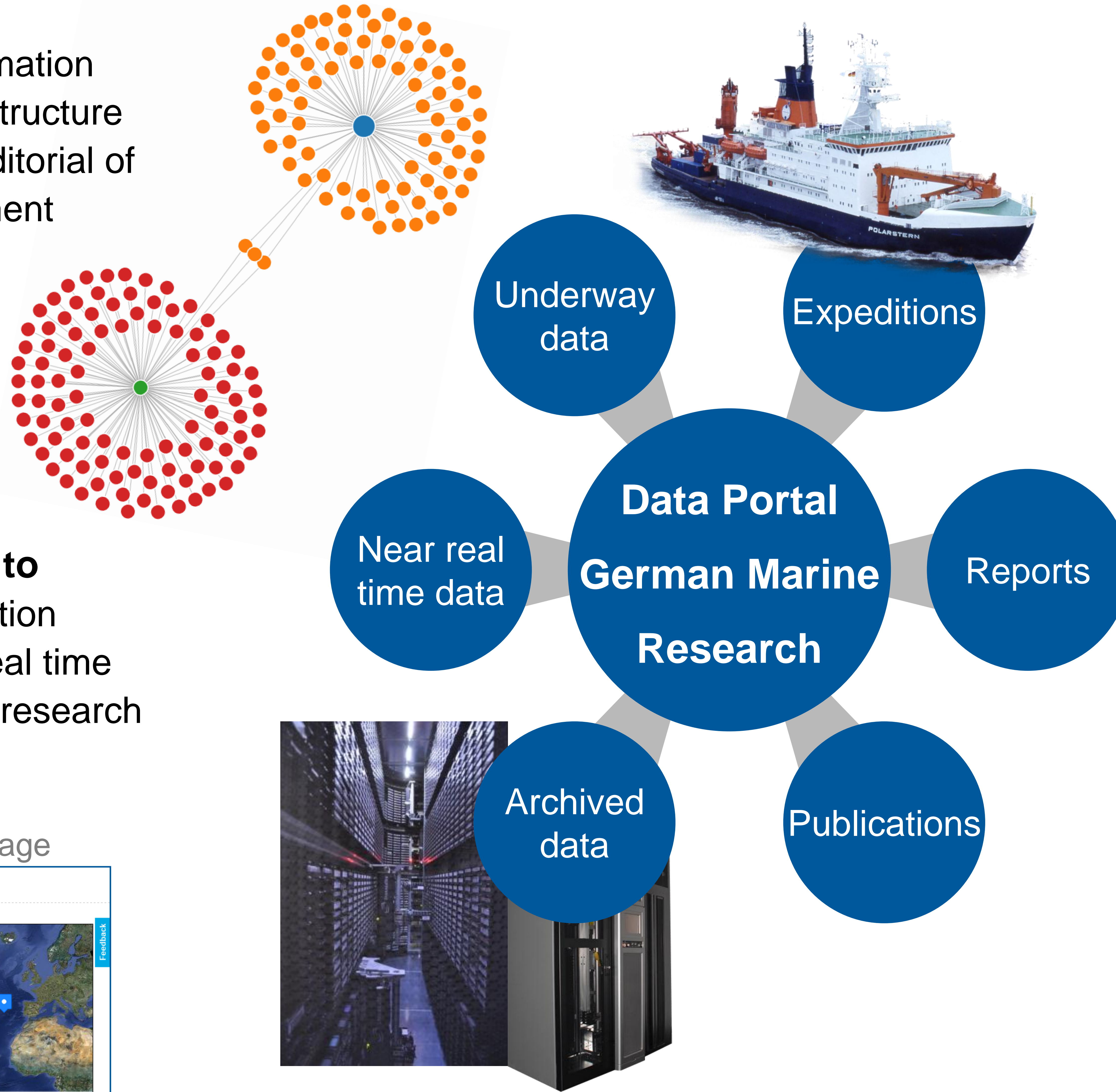
- Validated expedition information
- Long-term archived data
- Near real time data
- Publications and reports

## Linking the different data types to

- Allow exploring unknown information
- Support finding new data, near real time data and publications relevant to research
- Support reporting issues

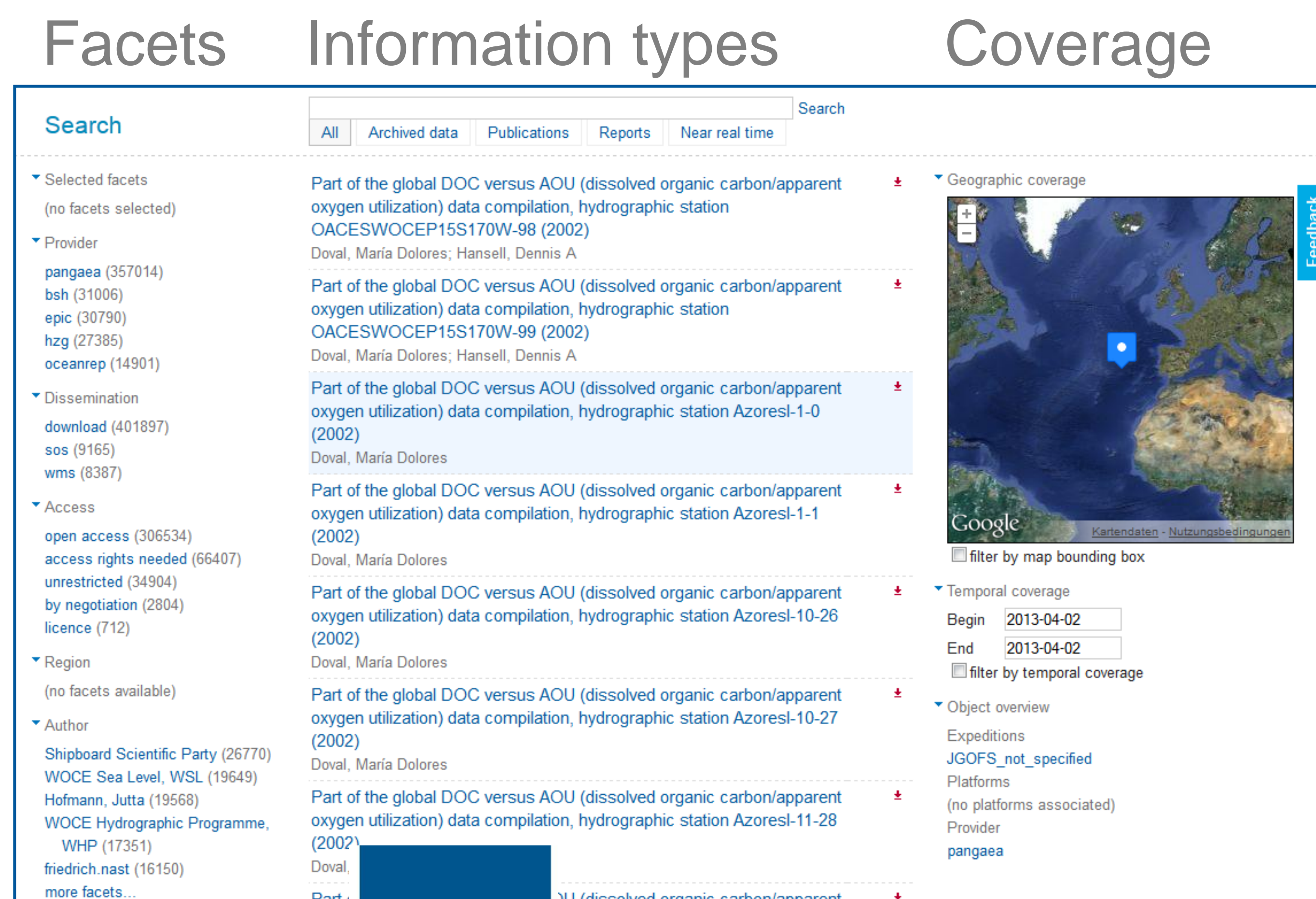
## Structuring relationships

- Identifiers to known as well as external objects
- Typing of relationships (e.g. reference)
- Stored as triples (subject – predicate – object)



## Technical implementation

- Metadata harvesting via standardized interfaces (OAI-PMH / CSW)
- Harmonization of vocabularies and annotation of gazetteer information based on feature catalogue
- Index based search with facets, temporal and geographic coverage



## The way from metadata to data

- Metadata points to archived data or fulltext (e.g. DOI, HDL, URI), to near real time data (e.g. SOS) as well as services (e.g. WFS, WMS)

