

# Unfolding existing Data Publication Practice in Research Data Workflows in the Biological and Environmental Sciences – ~~First Results from a Survey~~

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# German Federation for Biological Data

Step by step through the data life cycle

# Mission

## Sustainable central contact point for RDM

- ✓ data management planning
- ✓ long-term archival and data publication
- ✓ data discovery/visualization
- ✓ training and workshops



# Consortium



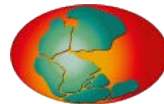
GFBio e.V.  
since May 2016



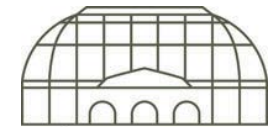
# Data Centers



- ✓ Biodiversity & collection data
- ✓ Ecological data
- ✓ Environmental data
- ✓ Molecular data



**PANGAEA®**



BG | Botanischer Garten &  
BM | Botanisches Museum  
Berlin

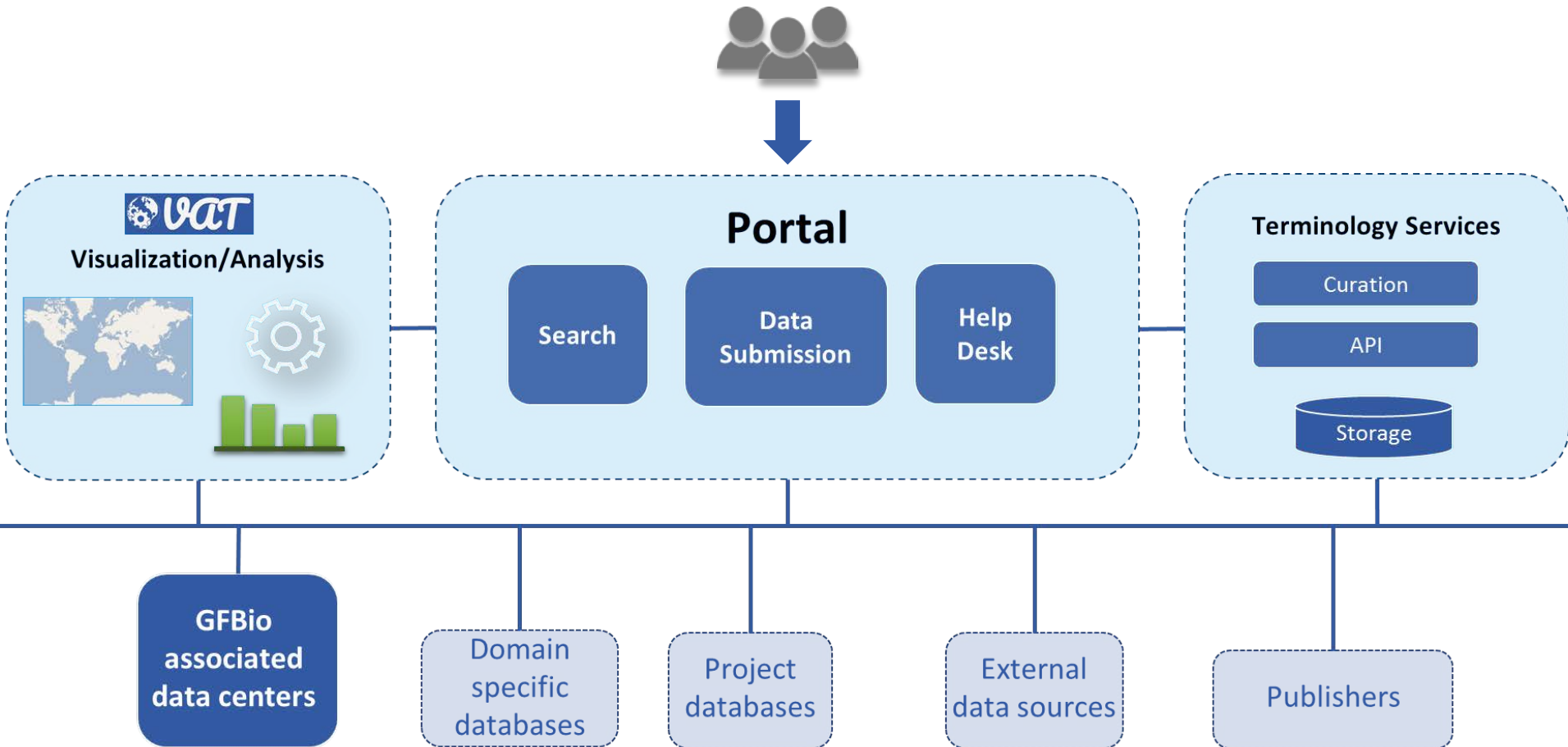


staatliche  
naturwissenschaftliche  
sammlungen bayerns

museum für  
naturkunde  
berlin



# GFBio Portal



# Data Life Cycle

## Data Publication

Assignment of **persistent identifiers**



Visibility of research  
Citations  
Data re-use

## Data Management Planning

Custom data management plans (DMP)

- ✓ cost estimation
- ✓ funders' guidelines



## Workbenches & Tools



Software to help researchers manage their data

Easy transfer of data through GFBio



## Data Visualization and Analysis



Visualization  
Aggregation  
Transformation  
... of spatio-temporal biodiversity data

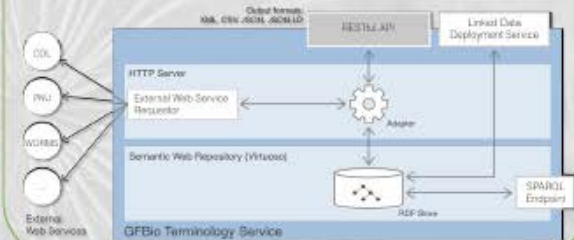
## Data Access

Browsing the GFBio data pool



## Terminology Service

Bridging domain specific standards and ontologies

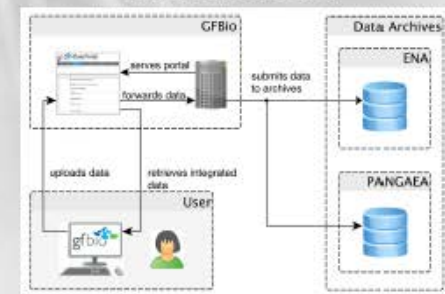


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## Data Submission



*Exemplary submission workflow for molecular data*

# Survey

- Aim: Do the provided tools and service actually reflect a scholar's research process?
- What activities of the data life cycle are main important in daily research life?
- Ideally, we get discipline-specific research workflows



# Survey

Tell us how your research data practice look like!

<https://www.gfbio.org/survey>



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FOR BIOLOGICAL DATA

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