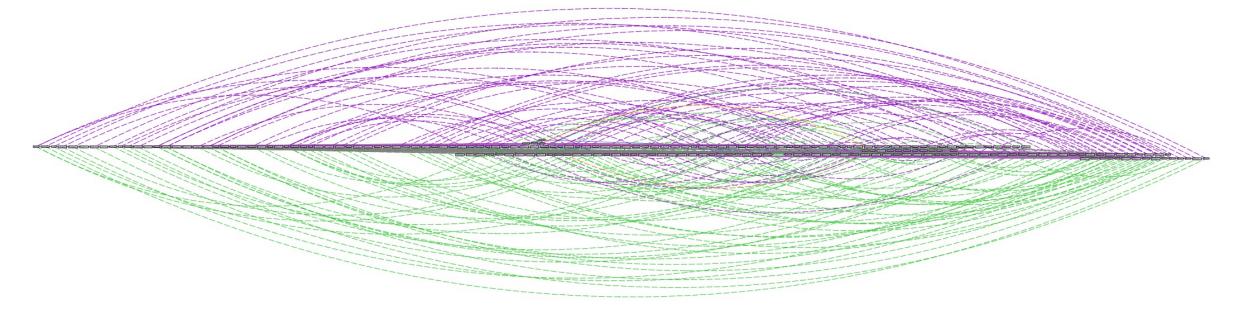




# A Short Introduction to the Data Collections Explorer

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What is a data repository?

A data repository registers, archives, and provides access to data collections.

- They (usually) provide unique identifiers for data sets
- They help making data FAIR

There are a lot of repositories available – the challenge is finding the right one

- re3data provides a lot of information
- However, there is more...





The Data Collections Explorer is an information system for repositories and data collections focussed on the engineering sciences.

### Primary use cases include

- Scientists searching for datasets
  - Example: An engineer is interested in material properties
    - Are there other materials that might fit the requirements?
- Scientists looking for repositories where to publish their research data
  - Example: PhD create data sets as part of their research
    - Where to publish these?
    - Are there size limits or costs involved?

## What is the Data Collections Explorer?



### The Data Collections Explorer

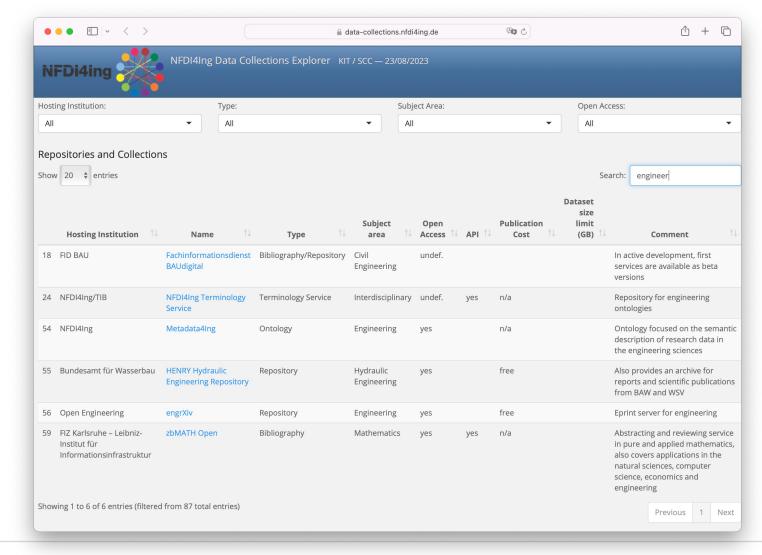
- Allows filtering and searching for entries
- Complements re3data
  - Individual data sets (e.g., The KITTI Vision Benchmark)
  - Privately or community curated repositories and databases (e.g., The Wood Database, The Phase Field Hub)
  - Repositories not yet listed in re3data
- Receives continuous updates based on community feedback





- Currently 87 repositories and data sets listed
- Access it here: <u>data-</u> <u>collections.nfdi4ing.de</u>

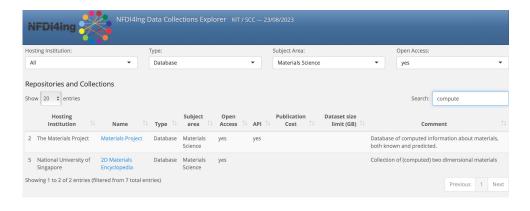


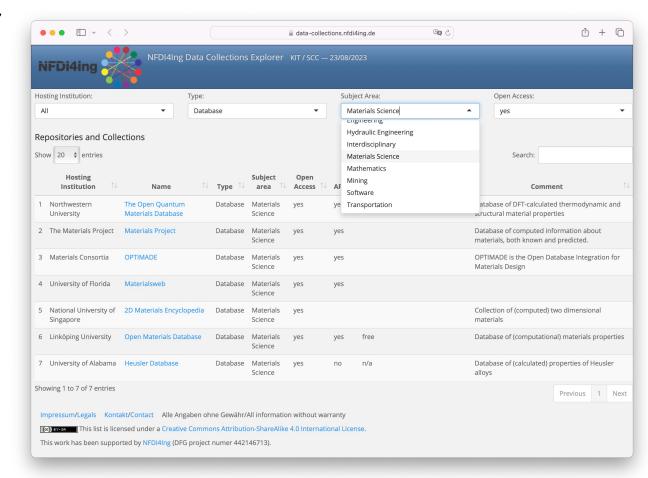






- The drop down menus allow filtering for entries
  - Hosting Institution
  - Type
  - Subject Area
  - Open Access
- The full text search allows to refine results further:





### **Conclusions**



- The Data Collections Explorer is an easy-to-use and flexible tool
  - Share and find data from the engineering domain
  - Low barrier of entry
- The Data Collections Explorer is a service for the community
  - Open for contributions please contact us!
    - You can also create at pull request at <a href="https://github.com/kit-data-manager/Data-Collections-Explorer">https://github.com/kit-data-manager/Data-Collections-Explorer</a>
  - Continuously updated based on community feedback