

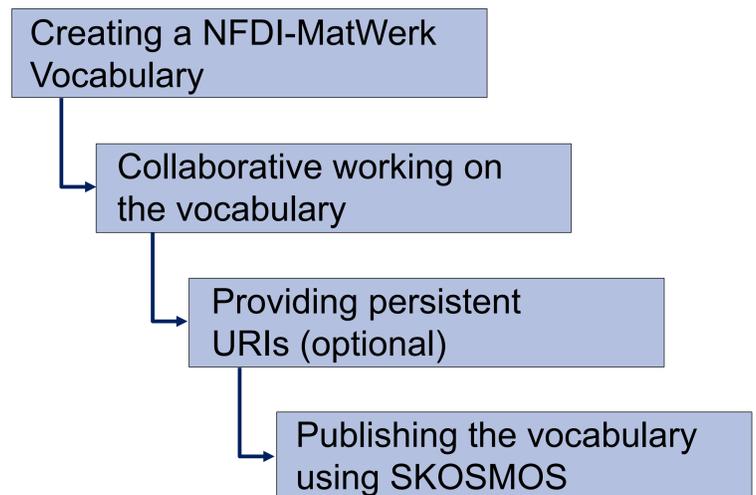
A Controlled Vocabulary for Acronyms of NFDI-MatWerk Using the Vocabulary Service EVOKS

Gulzaure Abdildina, Felix Ernst, Rossella Aversa, Philipp Ost

Controlled vocabularies are used to describe knowledge within a particular domain. They have the following advantages:

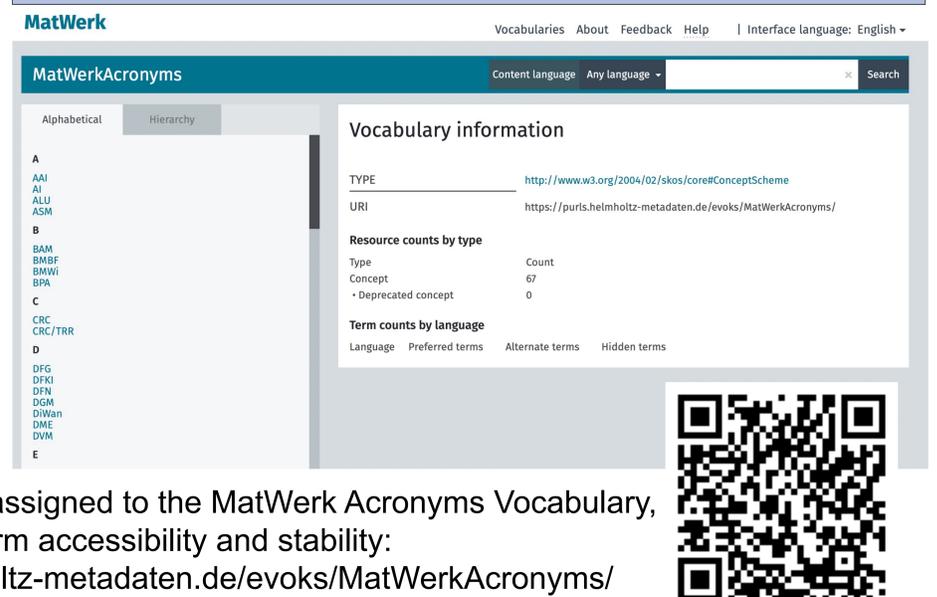
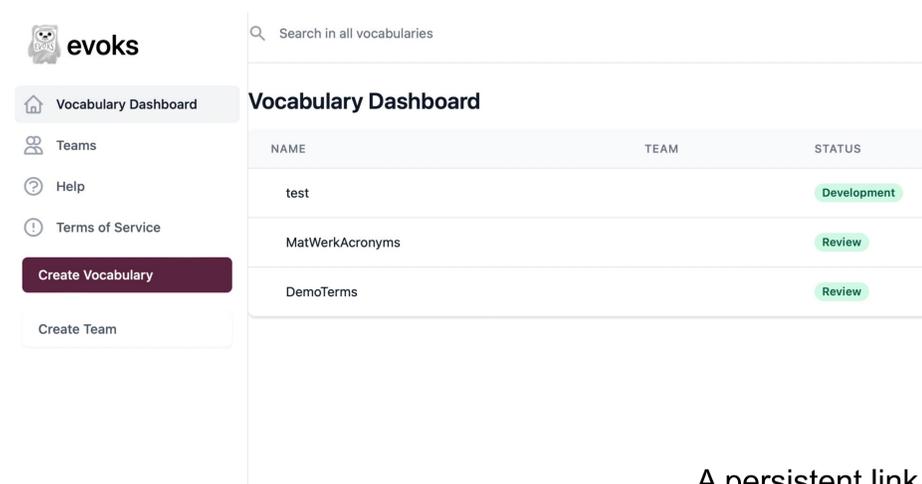
- Avoid data ambiguity
- Reference to term definitions
- Foster semantic interoperability
- Facilitate the integration of ontologies

EVOKS, the **E**ditor for **V**ocabularies to **K**now **S**emantics, is a general-purpose vocabulary service that allows for easy creation, import, editing, and curation of vocabularies. Publishing the vocabulary using SKOSMOS (www.skosmos.org) requires just a single click.



Easily create, edit and manage vocabularies

Publishing MatWerk Acronyms Vocabulary using SKOSMOS

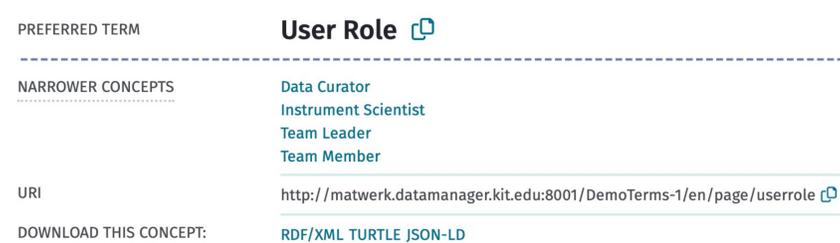


A persistent link is assigned to the MatWerk Acronyms Vocabulary, ensuring its long-term accessibility and stability:
<https://purls.helmholtz-metadaten.de/evoks/MatWerkAcronyms/>

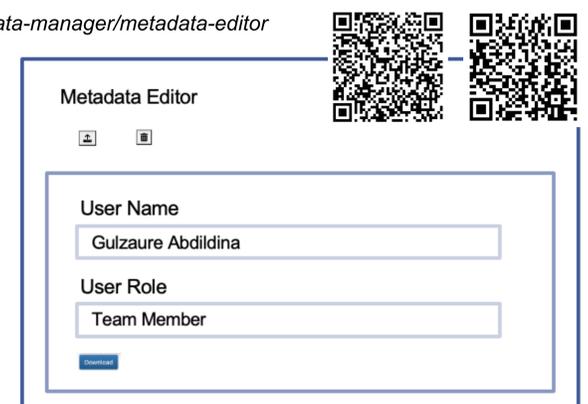
Use case: Terms in a Metadata Schema using Metadata Editor

- Use of controlled vocabularies that follow FAIR principles
- Terms in Schema through the URI rather than hard-coded
- Automatic propagation of any changes performed in the vocabulary
- Code is available on GitHub

Use case:
<https://github.com/kat-data-manager/Metadata-Schemas-for-Materials-Science/tree/evoks>
 Metadata Editor:
<https://github.com/kat-data-manager/metadata-editor>



Receives narrower concepts from EVOKS through the term URI



Using EVOKS allows to easily create, maintain and publish vocabularies. Controlled vocabularies facilitate a common understanding of terms, ease interoperability, and contribute to FAIRness.