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 Editor for Vocabularies to Know Semantics, 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

Creating a NFDI-MatWerk Vocabulary

Collaborative working on the vocabulary

Providing persistent URIs (optional)

Publishing the 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

Metadata Editor: https://github.com/kit-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.