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Enabling Semantic Tools for Interdisciplinary Research

Research has become increasingly reliant on extensive data. The integration, sharing and reuse of research data poses a significant challenge, particularly in the context of interdisciplinary collaborative projects. An essential objective for a research infrastructure dedicated to data management is to facilitate efficient data discovery and integration of diverse data sources. This pressing need for FAIR data requires, besides persistent identifiers and data citation rules, common standards and shared vocabularies, thesauri and ontologies. These knowledge artifacts, referred to as terminologies, often exist in disconnected and distributed forms. The work presented in this poster describes our terminology repository and service, enabling a unified access, development, and maintenance of terminologies within biodiversity and environmental sciences. We show how BiodivPortal supports semantically enhanced components and applications in the context of our Research Data Commons.

Type of Poster

A solution

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