KOMET – Collaborative enrichment of the metadata commons to foster a diverse OA ecosystem

Bernardinelli, Pedro, 0000-0000-0000-000X

Bernstein, Gary, 0000-0000-0000-0000

Abstract. The KOMET project aims to support the professionalisation of the metadata processes of independent, scholar-led OA journals and thus increase their visibility in academia and their importance as a publication venue. To this end, the most widely used open source software for OA journals worldwide - Open Journal Systems (OJS) - will be supplemented with functions that enable the entry, curation and enrichment of article-related metadata by authors and editors and the export of this metadata to open data sources such as Wikidata. Using persistent identifiers and geometric data, KOMET thus connects related articles across journals and scientific disciplines and supports novel evaluation methods for science and an open publishing culture and practice.

Project objectives

- Development of an overarching PID plugin that enables better discoverability and linking of articles from OA journals via the integration of validated persistent identifiers (PIDs) as part of the publication metadata, e.g., identifiers for academic events, physical specimens, and scientific instruments.
- Integration of a citation function directly in OJS to capture citation metadata in a structured way and publish it freely.
- Development of a search platform for scientific publications based on articles with geospatial metadata, i.e. locations and time periods considered in a publication, which connects to journals and preprint servers based on OJS and Janeway.

In order to be able to implement the work in a way that is appropriate for the target groups, development is taking place in exchange with partner journals and specialist communities (including NFDI4Culture, NFDI4Earth) by collecting use cases. All developments are published as free and open software in the Open Access ecosystem.

KOMET is carried out by the TIB – Leibniz Information Centre for Science and Technology and the Chair of Geoinformatics at the TUD Dresden University of Technology together with our partners from journals, publishers and the research infrastructure community.