

## Normalization and Authority Control in a Repository Landscape

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<sup>1</sup> DESY, Library <sup>2</sup> DKFZ, Library <sup>3</sup> Forschungszentrum Jülich, Zentralbibliothek <sup>4</sup> GSI, Library & Documentation/BIT <sup>5</sup> MLZ <sup>6</sup> RWTH Aachen, Universitätsbibliothek Most scientific organizations have established bibliographic databases to collect and present the scholarly output generated by their researchers and research projects. Additional requirements arise from increasing OpenAccess requirements by funders more and more paired with direct data delivery (e.g. Horizon 2020). To alleviate the burden of administrative reporting JOIN² has broadened the scope of traditional OpenAccess repositories to include these additional, administrative data like funding, licencing, cost information (e.g. APC based Gold OpenAccess). Recent developments include DOI minting via DataCite and ORCiD integration. However, to fulfil all the detailed requirements a very high level of normalization is required, traditionally not available in Dublin Core based repositories. Based on invenio and the much broader Marc21 meta data schema, JOIN<sup>2</sup> repositories implemented this normalization based on authority records right from the start. To this end JOIN<sup>2</sup> holds about 118.000 authority records used by and interchanged between all partners. About 72.000 of these refer to scientific journals that need to be updated once a year to reflect changes in statistical keys required for evaluation procedures. Currently operating seven independent, on site implementations in production, for JOIN<sup>2</sup> it is vitally important to implement a collaborative curation of these records and effective sharing mechanism to minimize the work for partners. For evaluation purposes, JOIN<sup>2</sup> is currently investigating the bibliographic subset of the upcoming national German evaluation schema Kerndatensatz Forschung (KDSF). Though, JOIN<sup>2</sup> was designed long before the discussion on this schema started, it turned out that almost all criteria can be met out of the box by means of JOIN2's authority control mechanisms, while trouble usually results from flaws in the KDSF definitions and should be addressed there. Data delivery in CERIF formats may thus be a feature for future implementation. This poster will outline procedures for authority record generation and interchange between JOIN<sup>2</sup> partners as well as some usage scenarios implemented. A module exchanging information between the repository and ORCiD has been developed and runs on JuSER. Researchers can insert their ORCiDs into their personal ORCID **Generation of** authority records and push their publications from the integration authority records repository to their ORCiD profiles: incl. data databases upload to (EZB/ZDB, OpenAire, LDAP ORCID **JuSER** & more) ORCID at FZJ - Idea, current status, next steps and future plan-ORCID **Authorities** Search 134,729 records for: JOIN<sup>2</sup> common Information Usage statistics Files Heptagons from the Steinmann Cluster Bootstrap authority and Narrow by collection: normalization ☑ Grants (39,821) Experiments (215) ☑ Institutions (15) infrastructure ☑ Institutes (496) People (22,565) [restricted] Periodicals (71.640) Research Program(s): based on the Publication types (39) **DataCite** Statistics keys (50) Controlled vocabulary (118) integration **MARC21** format The record appears in these collection Private Collections > >DESY > >FH > Document types > Reports > Reports Workflow collections > Public records **Distribution via OIA-PMH**  also usable for other projects known re-use by KIT Karlsruhe Reporting for Per program and statistics key Statistics keys **APC** and other Show 10 - entries evaluation via WOS listed Search 50 records for: WoS and journal OR Scopus listed publication Scopus the (POF3) Scopus Search Tips :: entry listed costs **HGFstatistics** Energieeffizienz, Materialien und 2018-01-17 OpenAccess / APC funded [StatID:(DE-HGF)0580] Ressourcen... integration module Detailed record - Similar records Krebsforschung 2015-11-19 No Authors Fulltext [StatID:(DE-HGF)0550 incl. OpenAPC 2015-10-08 ClosedAccess [StatID:(DE-HGF)0599 610 - Materie EndNote Text
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ISI + Scopus (POF3)

**■ DESY PUBLICATION DATABASE** 

Institutional Repository 19737 Publications OpenAIRE 3.0 (OA, funding

**Export and data delivery format** 

**CERIF** planned to implementation

EMMI -Helmholtz-Allianz 'Kosmische Materie im Lab...





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