MOTIVATION

- Publication management systems can be instrumental in disseminating research results across academia and industry, by providing facilities for uploading, editing and searching for publications.
- Most of existing open-source approaches offer limited search capabilities, because they rely on rigid relational schemes and do not exploit semantics.
- PRESS is an open-source publication system that exploits semantic technologies in order to cover the advanced needs of both individuals and organizations.

KEY FEATURES

- **Fast data entry**: responsive UI supporting manual and automatic ingestion of publications (through DOI importing).
- **Advanced query capabilities**: supports full free-text queries, complex and expressive queries upon semantic metadata, such as cross snapshot queries, range queries on dates etc.
- **Flexible Integration**: cross-platform, low resources to run, web-based, Drupal integrated, loosely-coupled architecture.

ARCHITECTURE AND ONTOLOGY

[Diagram of architecture and ontology]

- Detailed classification, small and comprehensive OWL schema
- CERIF evaluated through 3M tool [1].
- Keeping the order of authors exploiting the Ordered List Ontology [2].
- Distinguish peer-reviewed publications.
- SPARQL endpoint available

REFERENCES


ACKNOWLEDGEMENT

This work has been partially funded from the European Union Horizon 2020 Programme, Topic: e-Infrastructures for virtual research environments, Research and Innovation action VRE4EIC (A Europe-wide Interoperable Virtual Research Environment to Empower Multidisciplinary Research Communities and Accelerate Innovation and Collaboration), grant agreement 676247.