

# PRESS: A Publication REpository Semantic System

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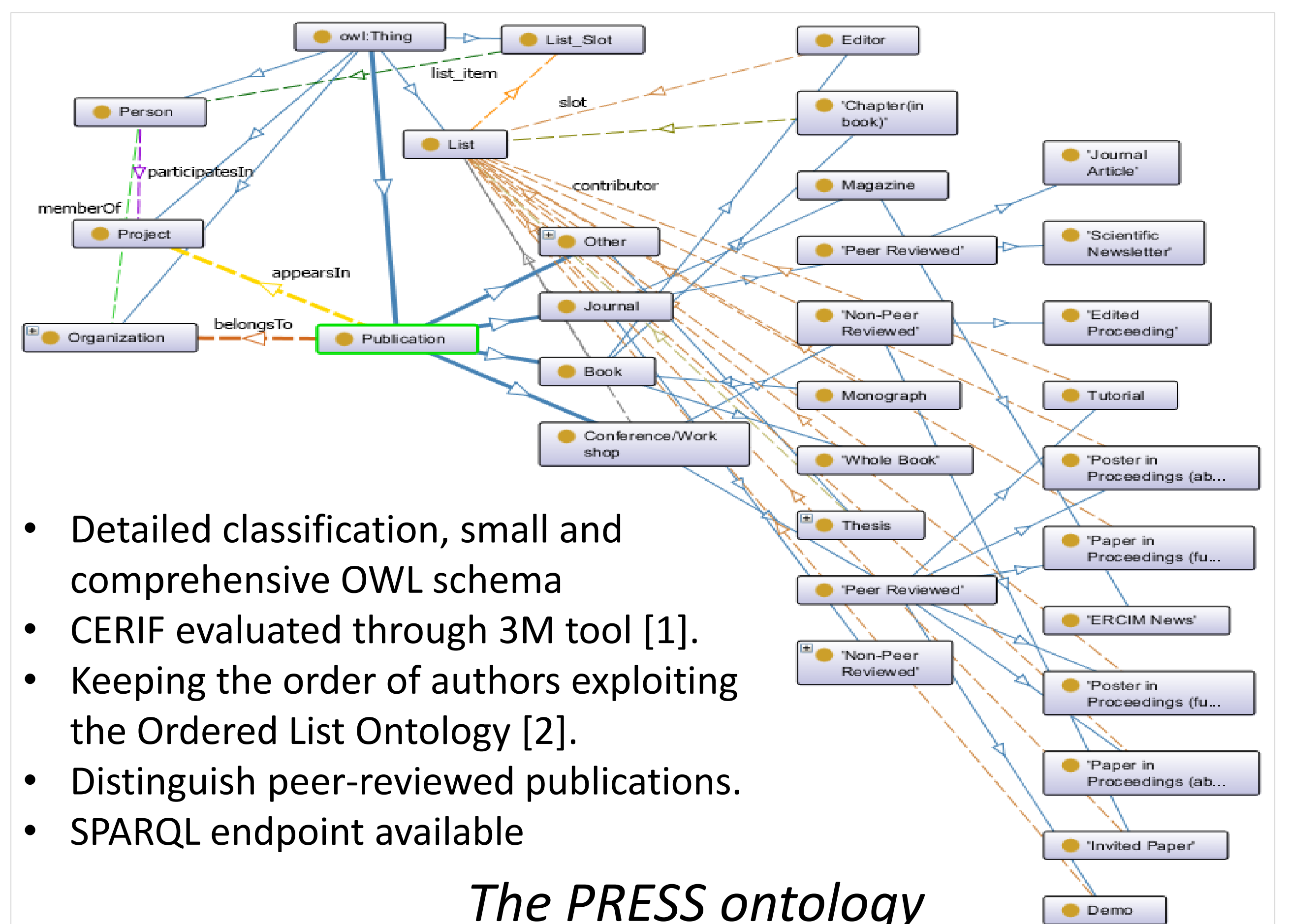
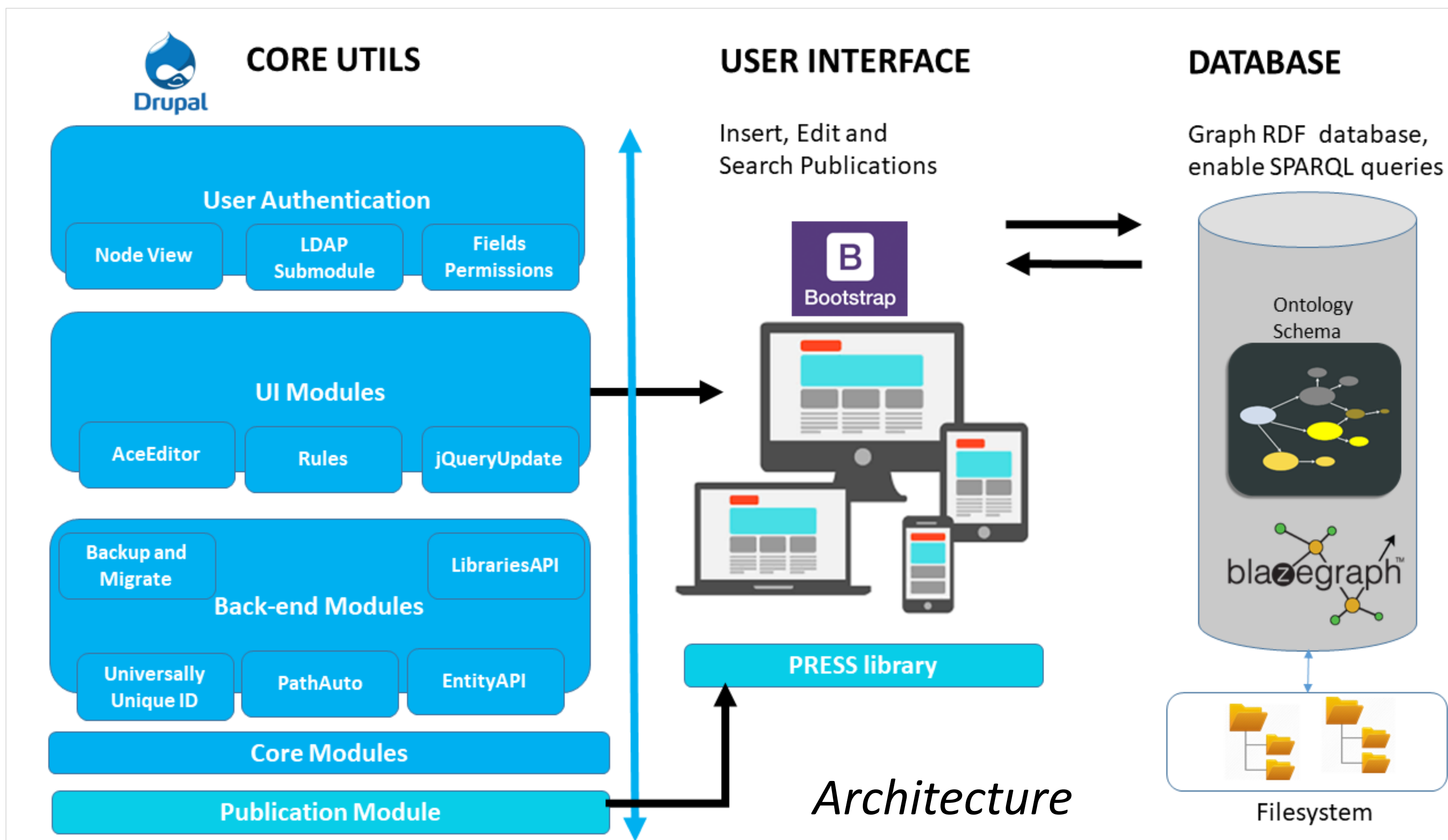
## MOTIVATION

- 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

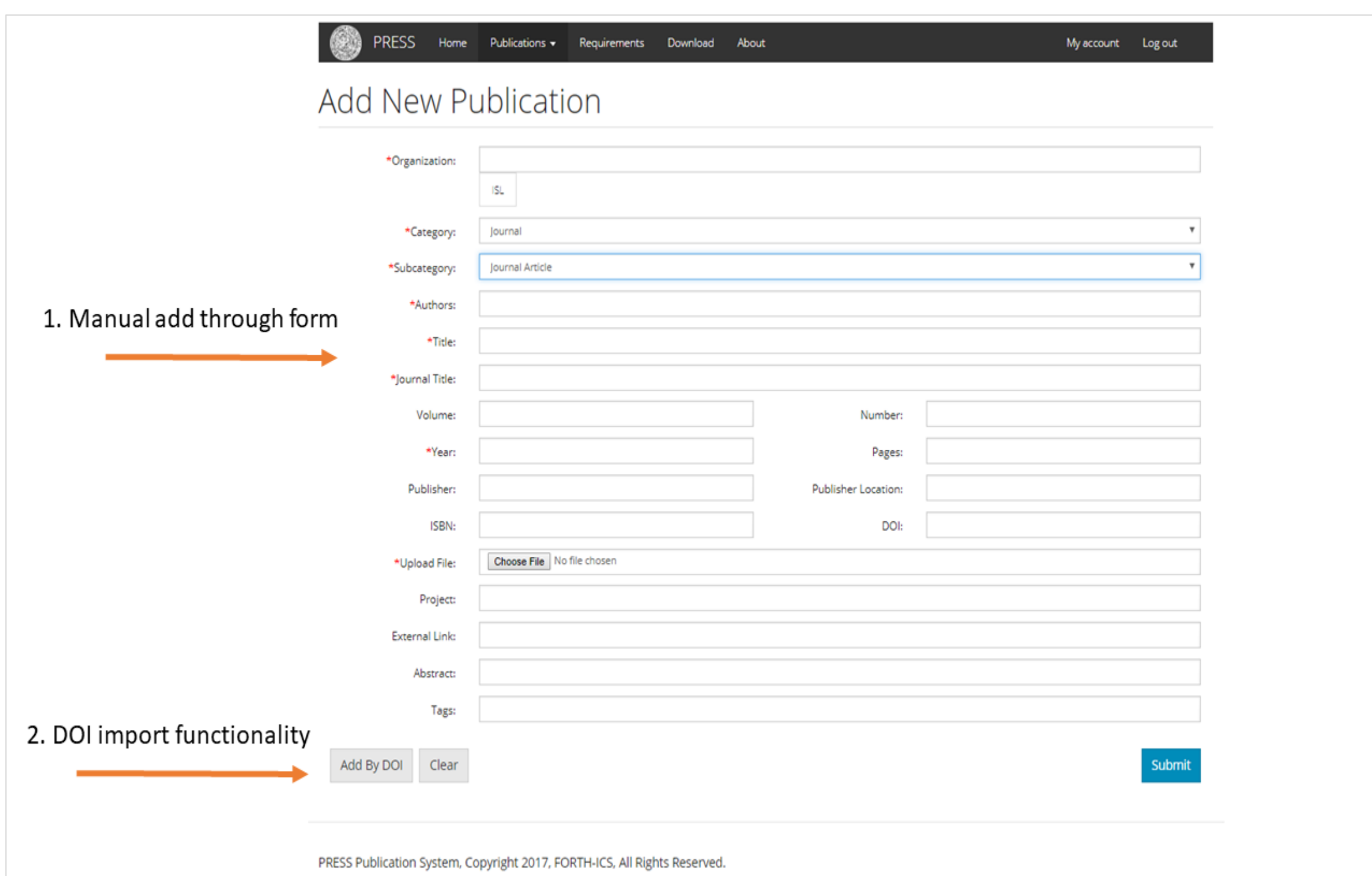
- **Fast data entry:** responsive UI supporting manual and automatic ingestion of publications (through DOI importing).
- **Advanced query capabilities:** supports full free-text queries, complex and expressive queries upon semantic metadata, such as cross snapshot queries, range queries on dates etc.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

## ARCHITECTURE AND ONTOLOGY

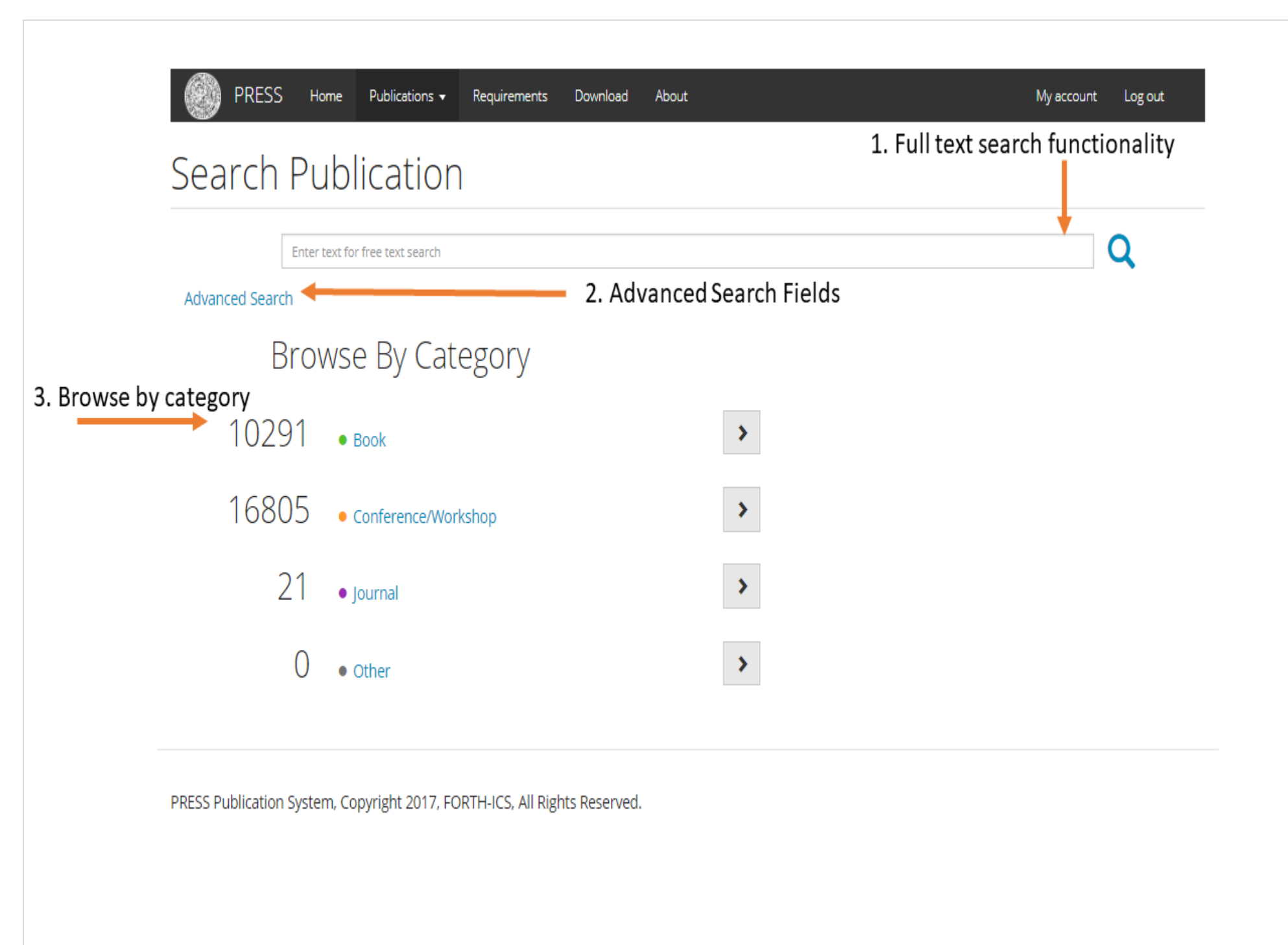


- Detailed classification, small and comprehensive OWL schema
- CERIF evaluated through 3M tool [1].
- Keeping the order of authors exploiting the Ordered List Ontology [2].
- Distinguish peer-reviewed publications.
- SPARQL endpoint available

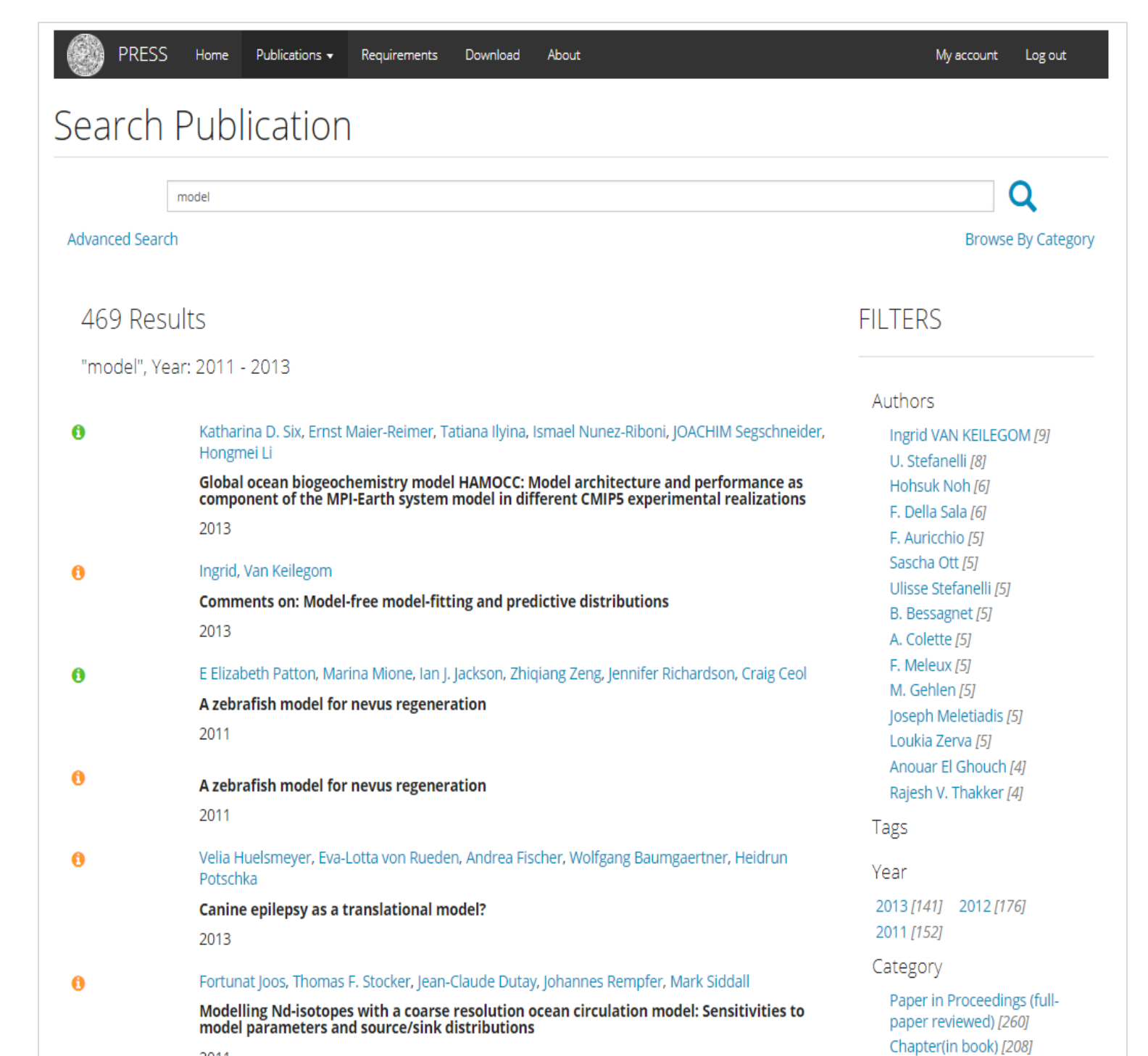
## THE PRESS SYSTEM



The Add UI



The Search UI



Results page

## REFERENCES

- [1]. Marketakis, Y., Minadakis, N., Kondylakis, H., Konsolaki, K., Samaritakis, G., Theodoridou, M., Flouris, G., & Doerr, M. (2016). X3ML Mapping Framework for Information Integration in Cultural Heritage and Beyond. International Journal on Digital Libraries, Special Issue on "Extending, Mapping and Focusing the CIDOC CRM", 1-19.
- [2]. The Ordered List Ontology. <http://smiy.sourceforge.net/olo/spec/orderedlistontology.html>

## ACKNOWLEDGEMENT

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