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## Improving the user experience through automated and on-the-fly metadata enrichment - Episciences overlay journals and the Open Science Lens Page Enhancer

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# Improving the user experience through automated and on-the-fly metadata enrichment

## Episciences overlay journals and the Open Science Lens Page Enhancer

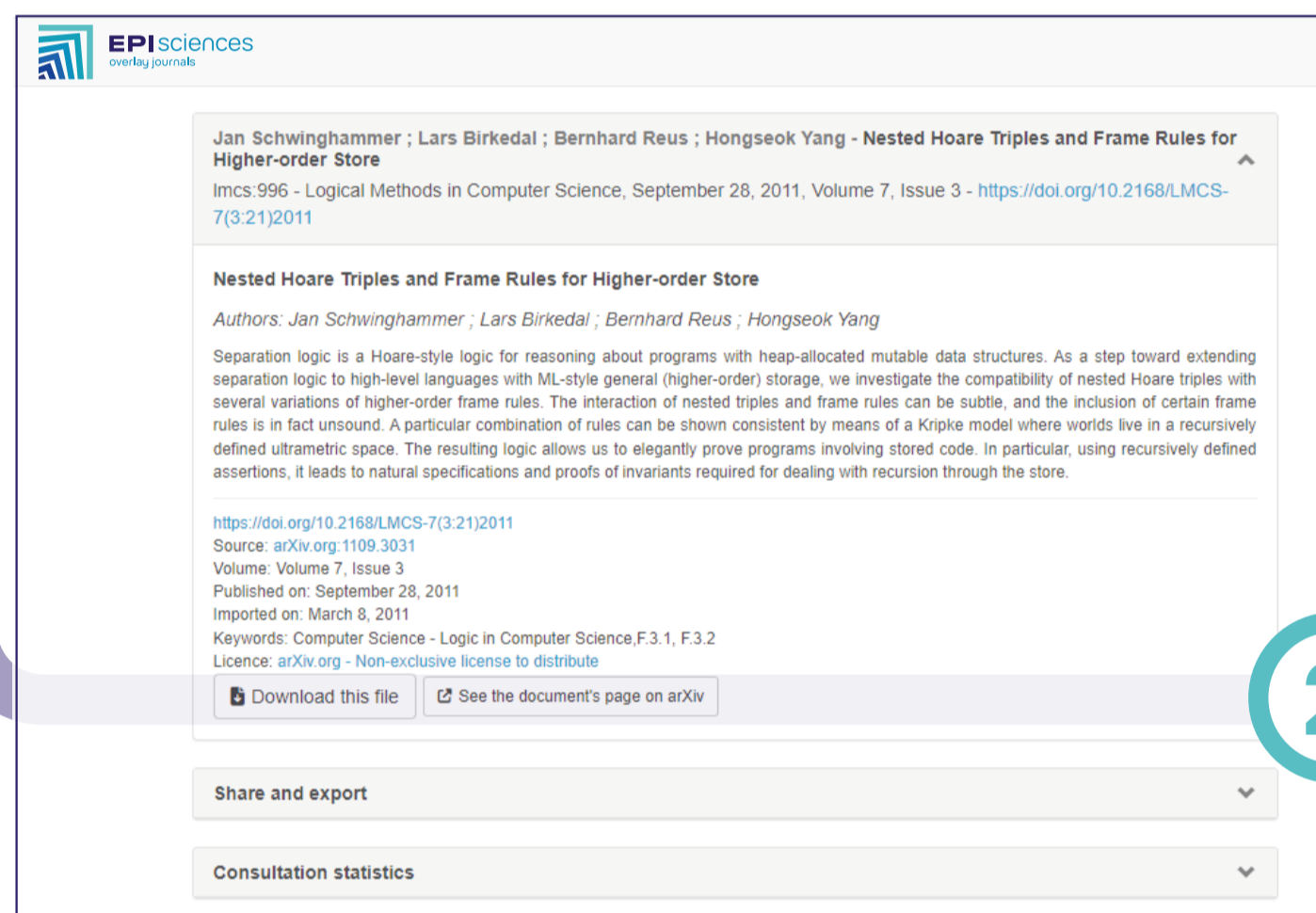
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Episciences is a publishing platform for diamond open access overlay journals. The ambition is to provide scientific communities with the technical means to produce high-quality, cost-effective journals in line with FAIR principles. The publication process is based on open repositories (arXiv; Zenodo; HAL). All the published content of a journal is hosted on repositories. Episciences is therefore set up as a service layer for repositories, using them as input and output for open access publication.

Episciences is included in the EOSC Marketplace and the OpenAIRE Catalogue. It is interoperable with several OpenAIRE services. This interoperability has enabled us to create new workflows to add post-publication enrichment to our metadata with services such as OpenAIRE Graph, ScholeXplorer, OpenCitations and OpenAIRE Provide. The result of this process is an improvement in the FAIR aspects of our published articles and a better basis for integrating other services such as Open Science Lens (OSL) Page Enhancer.

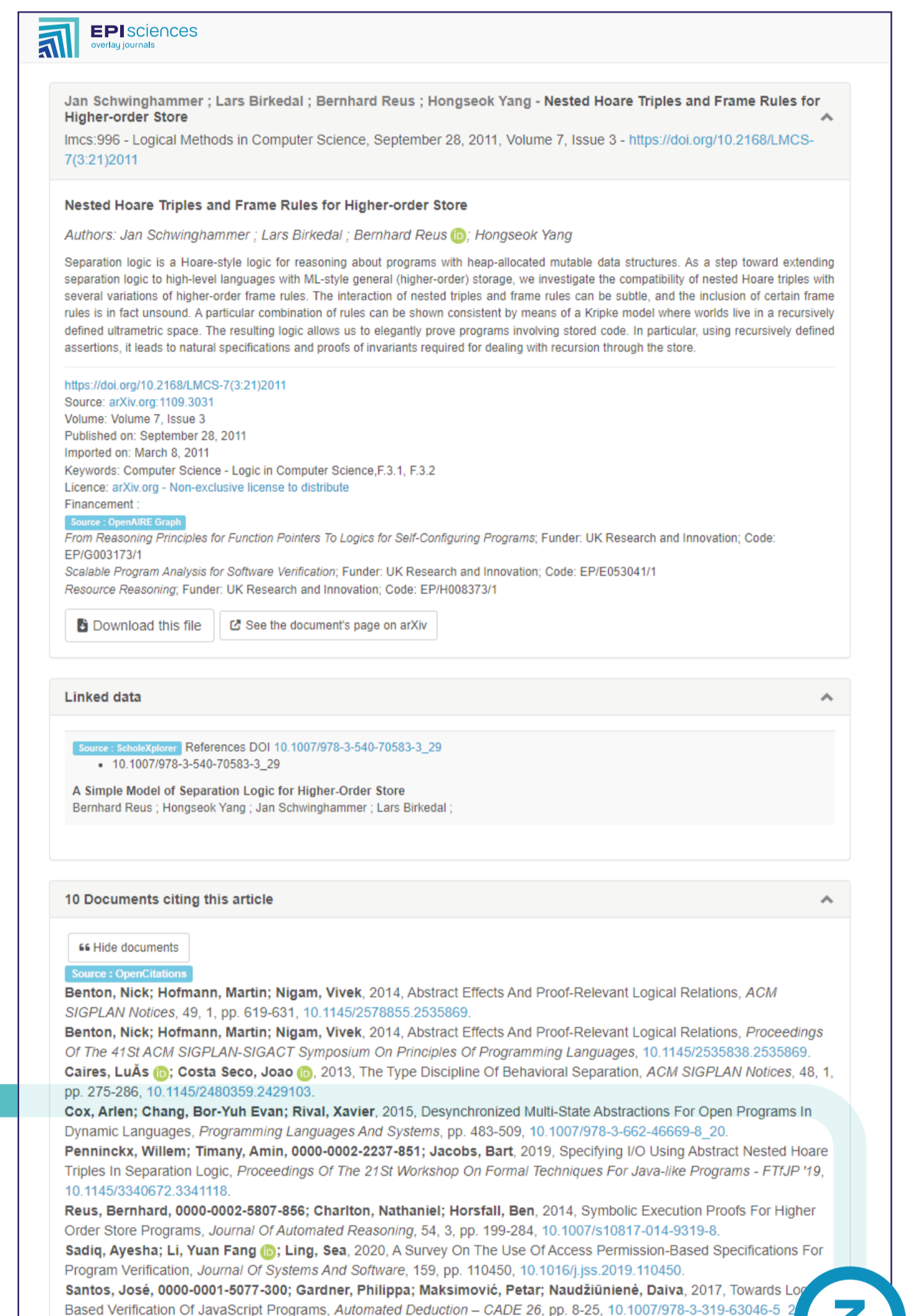
### 1 Submission of metadata from open repository

- arXiv
- HAL
- Zenodo



### 2 Publication

- Peer-review
- Copy-editing
- Publication



### 3 Metadata enrichment

Open Science Lens delivers a set of instruments allowing scientists, researchers, and the general public to easily locate and explore information of relevance to Open Science while navigating the web. It facilitates spreading the wealth of information of the OpenAIRE Graph to its audience.

The OSL Page Enhancer, a lightweight Javascript library, easily included in a content provider's application brings direct advantage with easy to consume information coming from the infrastructures of the OpenAIRE Graph. Including a no-code pipeline, the site administrator can achieve considerable enhancements to the content provided to their users with minimal maintenance footprint.

The Enhancer has been added to Episciences journals as an opt-in feature enabling users to discover new contextual content.

The more content added to our journal web pages, the richer the experience for the end users. OSL provides an easy way to add on the fly new content to existing articles for readers while it also works on the back office of the Episciences platform, providing contextual information for referees and editors.



### 4 OSL Page Enhancer

New automated enrichments by OSL based on new published metadata

### Services

- OpenAIRE Graph (ORCID, Funders, Projects...)
- ScholeXplorer (Datsets, publications...)
- OpenCitations (Citations)

### Users

- For readers
- For indexing databases
- For OpenAIRE Provide
- For Crossref
- For HAL

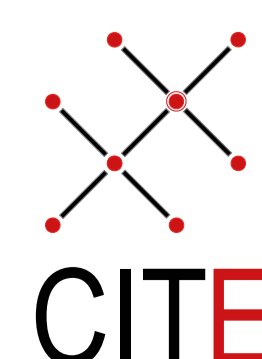


Episciences has received support from OpenAIRE and its services, notably for the integration of its service with the OpenAIRE Nexus project: funding from the European Commission grant 101017452 "OpenAIRE Nexus - OpenAIRE-Nexus Scholarly Communication Services for EOSC users".

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EPIsciences overlay journals



CCSD Centre pour la Communication Scientifique Directe

