
Publishable Summary

OPENSOURCELINK



CIP Competitiveness and Innovation
Framework Programme
CIP-Pilot Actions, 2007-2013
CIP-ICT-PSP-2012-6

European project OpenScienceLink pushes towards publishing, sharing, linking, reviewing and evaluating research results

Summary

OpenScienceLink has been a project co-funded by the European Commission under the CIP-ICT-PSP 2012 work programme topic 2.2 “Open Data and Open Access to Scientific Information”. The project introduced and piloted a holistic approach to the publication, sharing, linking, review and evaluation of research results, based on the open access to scientific information. OpenScienceLink piloted a range of novel services that alleviate the lack of structured data journals and associated data models, the weaknesses of the review process, the poor linking of scientific information, as well as the limitations of current research evaluation metrics and indicators. **Five pilot services** are integrated and piloted via the launched OpenScienceLink platform (<http://opensciencelink.org/>); in particular:

- (a) **data journals development** based on semantically-enabled research dynamics detection, with the first open access journal (Biomedical Data Journal) having being launched (<http://www.biomed-data.eu/>) and supported via the OpenScienceLink platform,
- (b) a novel open, **semantically-assisted peer review process**,
- (c) services for **detection and analysis of research trends**,
- (d) services for **dynamic researchers’ collaboration** based on non-declared, semantically-inferred relationships, and,
- (e) a set of **scientific field-aware, productivity- and impact-oriented enhanced research evaluation services**.

These services are offered by the publicly available OpenScienceLink platform, and are based on the semantic and social networking capabilities of background FP7 projects, as well as on the popular GoPubMed semantic search engine for the life sciences (<http://gopubmed.org/>). The OpenScienceLink services are piloted with the active participation of over 1,000 researchers from the consortium organizations, and the main area of focus is the biomedical domain. Finally, OpenScienceLink elicited best practices associated with the establishment and use of openly accessible repositories of scientific information. On the basis of these best practices, the project contributed to policy developments associated with the topical subjects of open access to scientific information. The OpenScienceLink project consortium included the following partners:

- Technische Universität Dresden (TUD) – Germany
- National Technical University of Athens (NTUA) - Greece
- Lithuanian University of Health Sciences (LUHS) - Lithuania



- National and Kapodistrian University of Athens (NKUA) – Greece
- Katholieke Universiteit Leuven (K.U.Leuven) - Belgium
- CNR Institute of Clinical Physiology (IFC-CNR) - Italy
- PROCON OOD (PROCON) - Bulgaria
- Transinsight GmbH (TI) - Germany

Highlights of the Project

The consortium worked in five different dimensions over the project's lifetime. The first dimension has been the releases of the **OpenScienceLink** platform, which can be found online at: <http://opensciencelink.org/>. The platform encapsulates the implementation of the five project pilots. The second dimension has been the publication of the Biomedical Data Journal issues, which can now be found online at the following location: <http://www.biomed-data.eu/>. The third dimension has been the collection, analysis and updates of the stakeholder requirements which has been conducted and translated into technical requirements for the final **OpenScienceLink** platform. The requirements included yearly updates from the perspective of **Researchers**, **Evaluators** of science (e.g., scientific journal editors and reviewers), **Publishers**, **Funders** and **Policy Makers** for the distribution of research funds, as well as **Journalists** and **Press**. The fourth dimension relates to the reporting of best practices and blueprints for the needs of the **OpenScienceLink** platform, journal and pilots. Since the goals of the **OpenScienceLink** are closely connected to a number of legal issues (i.e., copyright and privacy laws), it was vital to gain a clear understanding of the main areas that the **OpenScienceLink** project needed to comply with in order to ensure the legality of the project. Finally, the fifth dimension focused on the actual pilot sites evaluation activities. These included meetings with national and regional libraries, and international organizations that are affiliated with the publication and distribution of research results, in the prospect of identifying components or pilots of the **OpenScienceLink** project that would be interesting for the respective organizations to adopt in their processes and management systems.

Further information:

 <http://opensciencelink.eu/>  <http://twitter.com/opensciencelink>

 <http://opensciencelink.org/>

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