

## First Workshop on "Linking and Contextualizing Publications and Datasets"



This workshop was organized in conjunction with the 3rd International Conference on Theory and Practice of Digital Libraries (TPDL 2013).

### Motivations

Modern scientific communities and their research infrastructures serve for discipline-specific activities whose input and output affect and are affected by scholarly communication. To cope with the increasing speed of such activities and the growing volumes of research outcome, communities need to be facilitated at publishing, interlinking, contextualizing, preserving, discovering, accessing, and reusing their research outcomes. Achieving such objectives would foster multi-disciplinarity, generate novel research opportunities, and endorse quality research. However, researchers rely on different technologies and systems to deposit and preserve their research outcome and their contextual information. Datasets and publications are kept into Digital Libraries and Data Centers together with descriptive metadata. Contextual information is scattered into other systems, for example CRIS systems for funding schemes and affiliation, national and international initiatives and registries, such as ORCID and VIAF for people and authors. The construction of Modern Scholarly Communication Systems capable of collecting and assembling such information in a meaningful way has opened up novel research challenges in the fields of Digital Library, e-Science, and e-Research.

### Workshop Objectives

The goal of this workshop was to provide researchers and practitioners in the fields of Digital Libraries, e-Science, and e-Research, with a forum where they can constructively explore foundational, organizational and systemic challenges in contexts having publishing, interlinking, preservation, discovery, access, and reuse of publications and datasets as focal points. It expects to contribute to the actual picture of the state of the art approaches and solutions that researchers and practitioners active in these fields have investigated and realized.

Web site: <http://lcpd2013.research-infrastructures.eu/>

E-mail: [lcpd2013@isti.cnr.it](mailto:lcpd2013@isti.cnr.it)

### Workshop topics

The workshop welcomed submissions reporting on theoretical, systemic, and foundational work targeting popular topics of linking and contextualizing datasets and publications. The topics of this workshop were of interest to, but not limited to, the following research avenues:

- Metadata formats for publications and datasets: interlinking or contextualizing research outputs.
- Metadata access services: exporting/discovering metadata to facilitate interlinking or contextualizing research outputs.
- Data models expressing relationships between publications, datasets and other information apt for re-use, contextualization, etc.
- Aggregation services: robust and scalable collection, integration, storage, interlinking, and visualization of heterogeneous objects and metadata from publication, dataset, and contextual content data sources

- Linking and contextualization services: processing/mining interlinked objects and metadata relative for enrichment, disambiguation, annotation
- Future publication models and services: novel concepts and management of enhanced publications, research objects, executable papers.

For more on these topics, please visit the workshop website.

#### **Invited speakers**

**Soren Auer**, Universit?t Leipzig

**Sarah Callaghan**, British Atmospheric Data Centre, STFC

#### **Workshop Organisers**

- Lukasz Bolikowski, Centre for Open Science, ICM, University of Warsaw, Poland
- Paolo Manghi, Istituto di Scienza e Tecnologie dell'Informazione (ISTI), National Research Council - (CNR), Pisa, Italy
- Nikos Houssos, EKT, National Documentation Centre, Greece
- Jochen Schirrwagen, Bielefeld University Library, Germany

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