

# The 2<sup>nd</sup> Workshop on Artificial Intelligence meets the Web of Data **AlmWD-2013 @ ESWC-2013**

The Linked Data initiative aims at improving data publication on the Web, thereby creating a “Web of Data”: an interconnected, distributed, global data space. The Web of Data enables people to share structured data on the Web as easily as they can currently share documents on the Web of Documents (WWW). The availability of this global data space creates new opportunities for the exploitation of Artificial Intelligence techniques in relation with knowledge representation, information extraction, data mining, information integration, and intelligent agents.

Two approaches can emerge:

- Using AI techniques to address the problems the Web of Data faces
- Using the design principles of the Web of Data to improve knowledge representation, publication and reasoning within AI techniques.

The workshop is inherently interdisciplinary, as it attempts to integrate the Semantic Web and AI disciplines like natural language processing, AI and law, game theory, cognitive science, and digital societies. This workshop aims at bringing them together, and we invited papers from all the above disciplines, in particular those that cross the traditional disciplinary boundaries. With this workshop, our goal is to contribute to the birth of a community having a shared interest around publishing data on the Web, exploring and reasoning over it using AI technologies – or the inverse, improving AI technologies by the adoption of techniques and tools proposed within Web of Data research.

AlmWD-2013 was held in Montpellier, France on May 26, 2013, collocated with the 10<sup>th</sup> Extended Semantic Web Conference (ESWC-2013). This volume contains two contributions to AlmWD-2013. The first one describes a tool for applying SPARQL queries to OpenCyc knowledge bases, enabling the integration of the CYC knowledge base into the Web of Data. The second contribution presents logic-based approaches for linking cultural and bibliographic data on the Web of Data. All submissions were assessed by the program committee of the workshop, to which we express our gratitude.

*May 26, 2013*

*Antonis Bikakis, Christophe Guéret, Dino Ienco,  
François Scharffe, Robert Tolksdorf and Serena Villata*

**Workshop Chairs:**

Antonis Bikakis, University College London

Christophe Guéret, Vrije Universiteit Amsterdam

Dino Ienco, IRSTEA Montpellier

Francois Scharffe, LIRMM Montpellier

Robert Tolksdorf, Freie Universität Berlin

Serena Villata, INRIA Sophia Antipolis