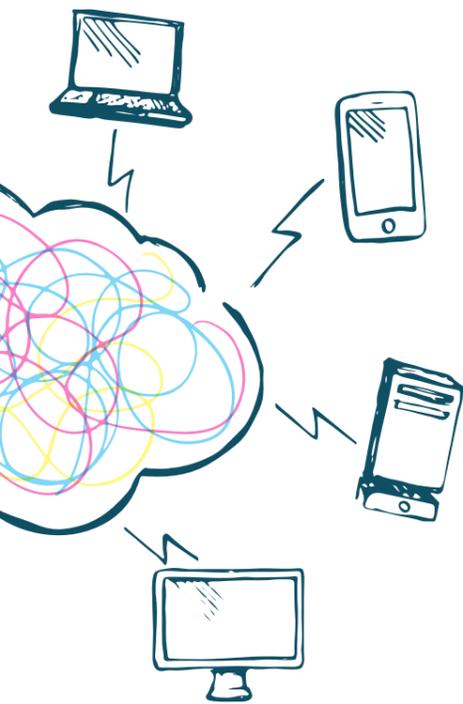# LINKEDUP PROJECT

coming to an end...
with results that will live on

The EU-funded LinkedUp Project has pushed forward the exploitation and adoption of public, open data available on the Web, in particular by educational organisations and institutions. Its goals have been achieved through a range of activities including the establishment of the LinkedUp Challenge.

After 2 years of work the project is finishing at the end of October 2014. The following sustainable results will live beyond the end of the project.

http://linkedup-project.eu   http://linkedup-challenge.org

LinkedUp Catalog

The Linked Education Cloud is a catalogue of Web datasets relevant to educational applications. It is provided according to the standard of the Web of Data, and is constructed based on input from the LinkedUp Community. It was built to support participants of the LinkedUp Challenge but its value extends beyond the competitions and as a repository for developers interested in working with open and linked data.

▶ http://data.linkededucation.org/linkedup/catalog

LAK Challenge/Dataset

The LAK Dataset is unprecedented resource which provides Linked Data, including full text, of all publications from all major conferences and journals in the Learning Analytics and Educational Data Mining communities. Innovative use and exploitation of that dataset is encouraged as part of a public LAK Data Challenge, an annual competition culminating in an interactive LAK Data workshop collocated with the LAK Conference.
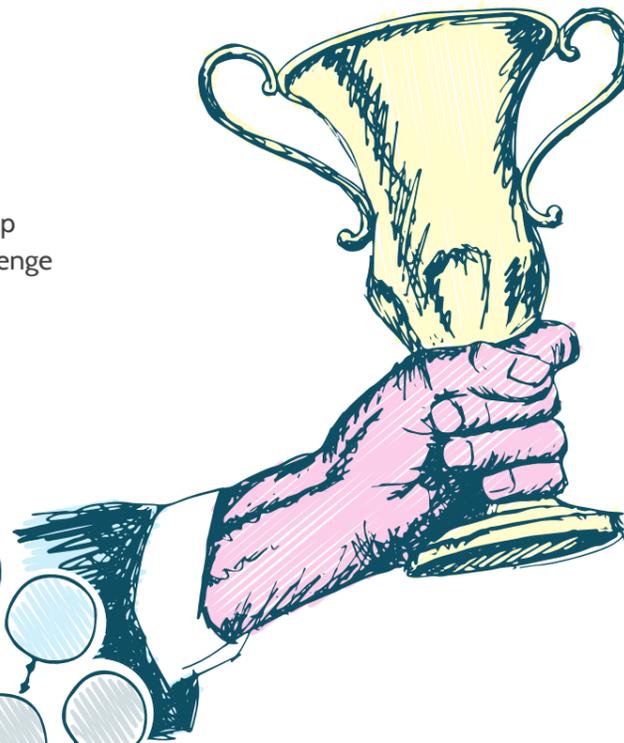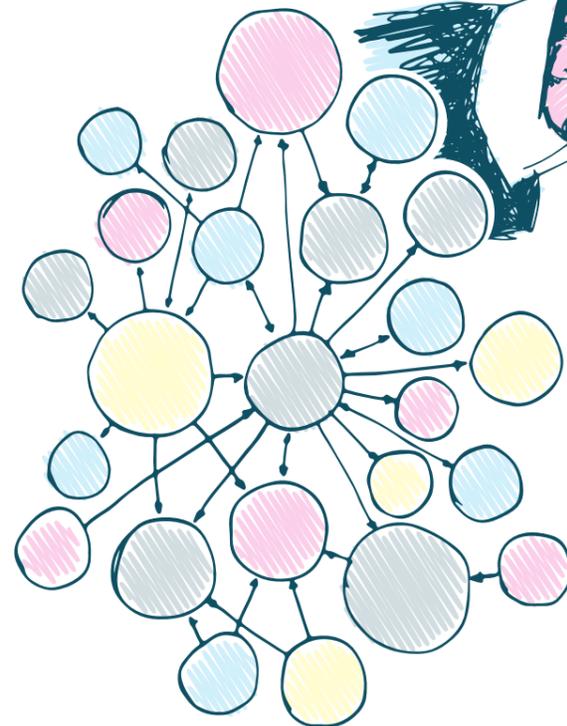
▶ http://lak.linkededucation.org

The Open Education Working Group

The Open Education Working Group brings together people and groups interested in open education. Its goal is to initiate global cross-sector and cross-domain activity that encompasses the various facets of open education including open data in education, open educational content, open learning and teaching practices and open accreditation. The group has an active mailing list and Twitter feed. Activities are co-ordinated through bimonthly working group calls.

▶ http://education.okfn.org

LinkedUp Challenge

The LinkedUp Challenge is a series of open data competitions. Previous competitions include Veni, Vidi, Vici in which submissions were received from over 15 countries from both the academic and private sectors. The result is a collection of 'open web data success stories': innovative and robust scenarios of deployed tools integrating and analysing large scale, open Web data in the education sector.

So far tools have been developed that explore resources, concepts, ideas and objects in subject areas and make sense of the world we live in; enrich resources; make it easier to share and find resources, and personalise the way they are presented; visualize learning approaches, connect people and resources.

Annual calls for future competitions are intended to start from 2015.

Winning Applications

The winner of the 1st Competition (Veni) was Polimedia, a tool that improves the analyses of radio and newspaper coverage of political debates in Holland (http://www.polimedia.nl). In the 2nd Competition (Vidi) there were two tracks. The winner of the open track was TuvaLabs, a tool which supports improvement of data literacy skills (https://www.tuvalabs.com) and the winner of the focused track was the electronic Discharge Letter (eDL) mobile app which improves clinical handovers by replacing the traditional letters by an electronic version exchanged between mobile devices (http://leonardolezcano.com/eDLapp.html). The Vici winners will be announced at the International Semantic Web Conference 2014.

A full list of submitted entries is available from the LinkedUp Challenge website.

▶ http://linkedup-challenge.org

Evaluation Framework

The LinkedUp Evaluation Framework is a complete framework for the evaluation of large-scale open Web data applications, taking into account educational aspects. It consists of predefined evaluation procedures and benchmarking criteria for the ranking of the participating projects during the LinkedUp competitions. The requirements include interdisciplinary coverage, integration of high-quality web data, integration with local data, context and filtering, scalability and performance and multilingualism. The evaluation framework has been reviewed after each stage of the challenge resulting in a sustainable and practical evaluation instrument.

▶ http://linkedup-project.eu/ef

Support
Group
Activities
Privacy
Educational
Innovation
Usability
Performance
Data

W3C Open Linked Education community group

The W3C Open Linked Education community group is a focus point for the community to collect, capture and adopt the practices that are going to be the foundation of the web of educational data. It brings together existing to gather initiatives the practices currently employed to sharing education-related data on the web including vocabularies and best practices. The LinkedUp consortium (directed by http://linkededucation.org and http://linkeduniversities.org) will lead the community group from autumn 2014.
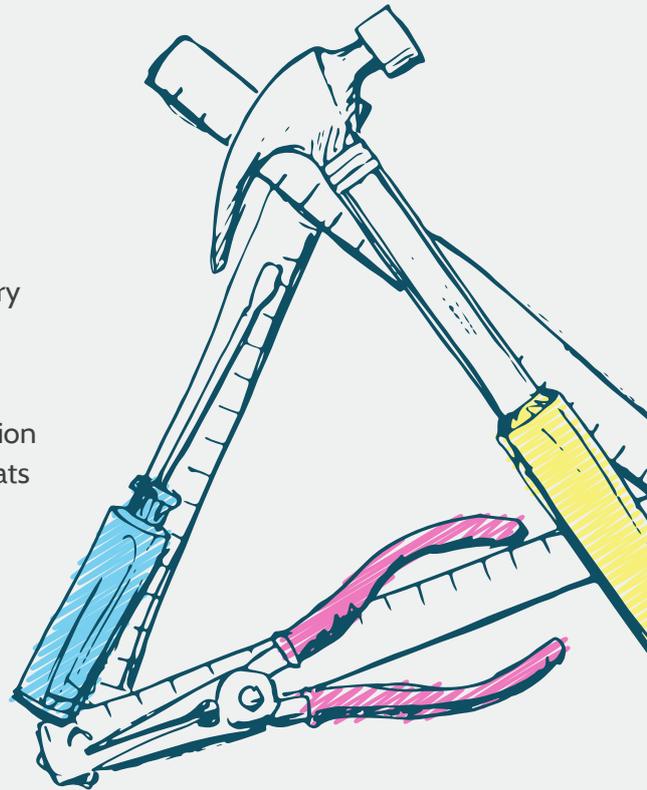
➤ http://www.w3.org/community/opened

Toolbox

The LinkedUp Toolbox is a support tool for open data competition organisers. It can be applied by those organising academic or industry competitions.

The toolbox has six sections each containing resources: competition framework, evaluation framework, guidance schedule, data, promotion methodology and legal and IPR. The resources are available in formats including video, text, mindmaps, tables, decision trees and Q&A.

➤ http://linkedup-project.eu/toolbox

Open Education Handbook

The Open Education Handbook is a collaboratively written living web document targeting educational practitioners and the education community at large. The handbook offers an introduction to various open education topics including open education data, open education resources, learning and teaching practice, open source tools and open accreditation. It is also a springboard from which users can connect with other relevant resources. The handbook is available in online version and in open ebook format that can be viewed online or printed.

➤ http://education.okfn.org/handbook