



<http://latc-project.eu>

The LOD Around-The-Clock (LATC) Support Action aims to help institutions and individuals in publishing and consuming quality Linked Data on the Web.

Project Quick Facts

Project coordinator:

DERI, NUI Galway (Ireland)

Partners:

- Vrije Universiteit Amsterdam (The Netherlands)
- Freie Universität Berlin (Germany)
- Institut für Angewandte Informatik eV, Leipzig (Germany)
- Talis Information Ltd. (United Kingdom)

Duration: 09/2010- 08/2012

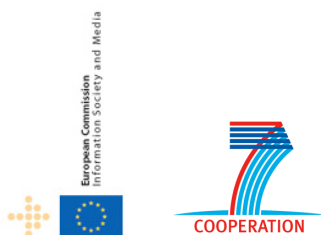
Total cost: 1.19 M€

EU contribution: 1.06 M€

Further information:

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LATC is a Support Action funded under the European Commission FP7 ICT Work Programme, within the Intelligent Information Management objective (ICT-2009.4.3).



Progress in the areas of large-scale data processing, data integration and information quality assessment increasingly depends on the availability of large amounts of real-world data.

The emerging Web of Linked Data is the largest source of multi-domain, real-world and real-time data that currently exists, containing billions of assertions and spanning diverse domains: media companies such as the BBC and Reuters, pharmaceutical companies like Eli Lilly and Johnson & Johnson, as well as the US and UK governments are publishing Linked Data on the Web.

This global data space allows the development of applications that benefit from the universal identifiers (URIs) and the uniform data model (RDF) over a scalable protocol for data access (HTTP).

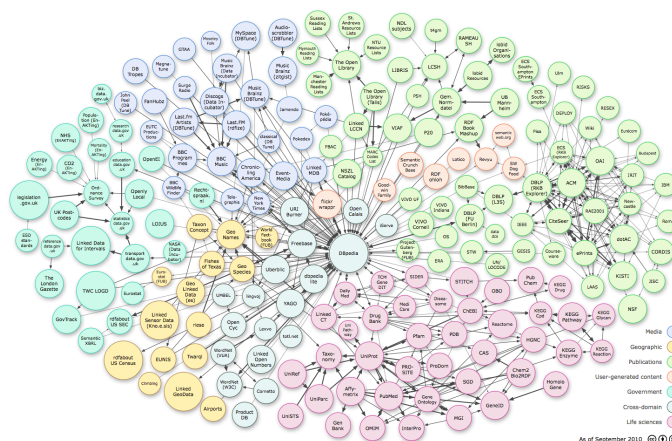


Fig. 1 – The Linked Open Data cloud (<http://lod-cloud.net>).

The Mission

With the explosive growth of the Linked Open Data cloud (Fig. 1, doubling in size every 10 month since 2007) using this global data space in a real-world setup has revealed issues: the amount and quality of the links between LOD sources remains sparse and further, there is a lack of a well-documented software library for data access and data publication throughout the lifecycle.

With LATC, we address these issues through the following activities (see also Fig. 2):

- To increase the number, the quality and the accuracy of links between LOD datasets, LATC deploys a *24/7 interlinking engine*.
- To support interested parties in Linked Data publication and consumption, LATC publishes and maintains a *publication & consumption tools library* along with screen-casts and tutorials.
- To provide an in-depth test-bed for data intensive applications, LATC *publishes data* produced by the European Commission, the European Parliament, and other European institutions as Linked Data.

Target Groups

The LATC activities are primarily aimed at the following target groups: original data owners, such as government agencies; researchers that deal with large-scale data; Web developers that build applications with Linked Data; SMEs that want to benefit from the lightweight data integration possibilities of Linked Data.

Impact and Outreach

LATC had its project kick-off meeting in September 2010, establishing an Advisory Committee with over 30 members, including governmental organisations such as the UK Office of Public Sector Information and the European Environment Agency; researchers and practitioners such as the University of Manchester, University of Economics Prague, Vulcan Inc., CTIC Technological Center, the Open Knowledge Foundation; and standardisation bodies, including W3C (Tim Berners-Lee).

The Advisory Committee members represent the LATC target groups and engage in the outreach and dissemination work as well as are entitled to request support and participate in the LATC activities.

For past and upcoming LATC events, see <http://latc-project.eu/events/> - including the Governmental Linked Data ICT2010 networking session (September 2010), tutorials at the International Semantic Web Conference 2010 in Shanghai, China, as well as the Open Government Data Camp, London (all in November 2010).

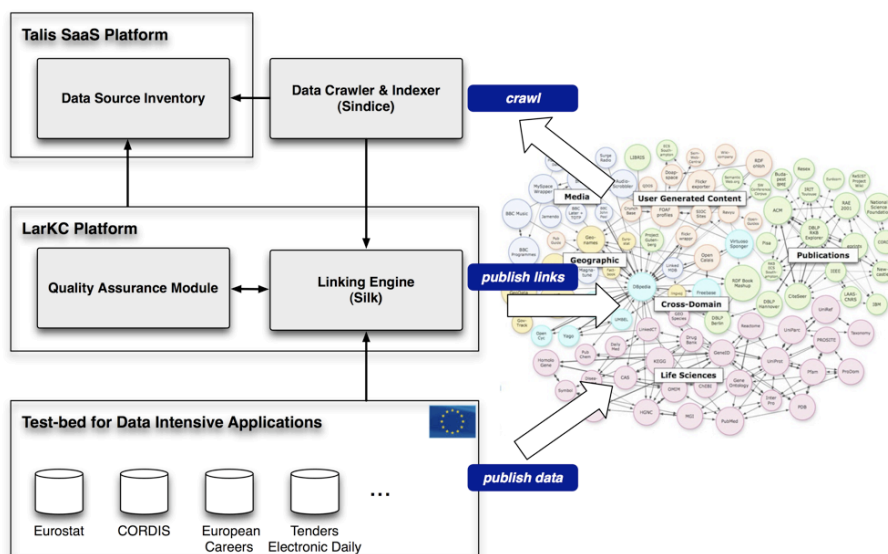


Fig. 2 – The LATC infrastructure and datasets.