

The COMSODE project: bring (linked)open data to the market

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Abstract. In this extended abstract we show the FP7 project COMSODE, its results (a publication platform and a suite of methodologies for open data publication), and the possibility to use such results for other projects and in particular the use of a fully working open data platform supporting the assessment and improvement of (linked) open data .

1 The COMSODE Project

The project COMSODE (Components Supporting the Open Data Exploitation³) is an SME-driven RTD project aimed at progressing the capabilities in the Open Data re-use field. COMSODE wants to bring state of the art of research into a solid and industrial set of solutions to overcome the current issues: data published by various open data catalogues are poorly integrated; quality assessment, and cleansing are seldom addressed. COMSODE offers a software platform which enables data consumers to integrate the data before their usage. Therefore, it significantly reduces the costs of open data consumption and hinders open data usage and uptake. COMSODE has the following main objectives:

- Create a publication platform called *Open Data Node (ODN)*⁴ that builds on results of previous research and development in the Linked Data field. Its mission is to bring results from research environment into real-world for people, SMEs and other organizations to use and re-use.
- Create a methodology framework for easy use of technology in operating conditions of typical public bodies and rigorously tested for traceability, usability and sustainability in a public body environment.

Several pilot implementations of ODN are currently running around the Europe. An EU-wide end user-community is also involved in the project to set a use case framework within which the requirements of heterogeneous organisations can be clearly understood.

³ <http://www.comsode.eu>

⁴ <http://opendatanode.com>

2 What the project would show in the session

During the presentation we will focus on the main result of the project, the open source ODN platform, and an offering to host data sets on the platform and their conversion to Linked Open Data using the platform. We will also present how it is possible to include new research results of other projects enabling advanced data cleansing, integration and other transformations into the ODN platform in a form of a plug in.

Concerning the ODN, it is an open source software platform including a data publication environment called UnifiedViews⁵, for supporting data publisher to extract, transform, assess, improve, and publish Linked Open Data. The platform is built on the top of existing results of research from both previous EU project (e.g. LOD2), and academy research.

The COMSODE methodology is a general purpose set of phases, tasks and best practices and it covers all phases from the definition of the open data publication plan to the definition of the publication pipeline. The methodology includes also an application of the methodology with the ODN platform so that non-experts and end-users can easily use the platform.

3 What does COMSODE offer?

COMSODE project will end at September 2015 and some running collaboration with other FP7 project (e.g. EU-CASES⁶) are already in place. We are looking for collaboration with other EU project based on three different scenarios.

- A given European project wants to publish its data as Linked Open Data and it looks for an open source platform for preparation and publication of such data.
- A given European project wants to assess and improve the quality of its Linked Open Data.
- A given European project wants to implement its new algorithms or include its tools into an exiting Linked Open Data publication platform.

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⁵ <http://www.UnifiedViews.org>

⁶ <http://eucases.eu>