

# LIDER - Linked Data as an enabler of cross media and multilingual content analytics for enterprises across Europe, FP7-610782

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## 1 What is LIDER?

LIDER's goal is to create an ecosystem of Linguistic Linked Data resources that can support content analytics tasks of unstructured multilingual cross-media content at a large scale. Specifically, LIDER aims to build on current Linked Data and Semantic Web technology to conduct analytics over unstructured content available in different natural languages and delivered by various media streams. In this context, the key aspect that needs to be approached involves understanding and interpreting unstructured textual content and linguistic content in multiple natural languages. The representation of language and media specific linguistic information on a semantic level is needed to perform accurate analytics operating across the increasing variety of media and human languages used nowadays on the Web.

The main goal of the project is then twofold. Firstly, to create a new Linked Open Data based ecosystem of linguistic resources (corpora, dictionaries, lexical and syntactic metadata), also known as Linguistic Linked Open Data (LLOD), and media (image, video) metadata. Secondly, to create a strong community around the topic of LLOD-based multimedia and multilingual content analytics.

The specific goals of the project are summarized in the following:

1. To provide a set of guidelines and best practices for building and exploiting LOD-based resources in multimedia and multilingual content analytics.
2. To provide a set of guidelines and best practices for developing NLP services on top of Linguistic Linked Data.
3. To create a reference architecture for Linguistic Linked Data built on top of existing and future platforms and freely available resources.
4. To develop a long-term roadmap for the use of Linked Data for multilingual and multimedia content analytics in enterprises.

## **2 What would the project demonstrate/show**

These are some of the outcomes of the project that could be shown during the networking session:

- LingHub, LIDER language resources metadata aggregator: <http://linghub.lider-project.eu>
- LLOD Cloud, Linguistic Open Data Cloud: <http://linguistic-lod.org/lod-cloud>
- Guidelines and reference cards for the generation of Linguistic Linked Data: <http://lider-project.eu/guidelines>

## **3 What does the project expect to gain from such a networking session?**

In the context of such as networking session, LIDER expects to:

- Gain use cases and feedback from projects working on the development of language resources, content analytics, and/or multilingual linked data.
- Enlarge the community of producers and users of multimedia and multilingual linked data resources.
- Generate synergies that will result in leveraging the interest of different partners in a common roadmap about LIDER's topics.
- Gain awareness of the current W3C community groups (LD4LT, Ontolex, BPMLOD) that are supporting the LIDER's community effort.
- Discuss about a shared understanding of the representations of language and media specific information.