“Building the Multilingual Semantic Web: a Hands-on Tutorial” - INTRODUCTION

Jorge Gracia, on behalf of LIDER’s team
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The Web of Data is increasingly multilingual

However publishing/consuming/linking multilingual linked data is not so trivial...

Specific methods and techniques are required

Jorge Gracia, Elena Montiel-Ponsoda, Philipp Cimiano, Asunción Gómez-Pérez, Paul Buitelaar and John McCrae
Services for cross-lingual access

Users

Linked Data

Data silos

Services for generating multilingual Linked Data

Multilingual mappings

Multilingual linguistic information

Services for cross-lingual linkage

Services for translation and ontology localization
Motivating Questions

1. How to represent rich multilingual \textbf{lexical information} (beyond rdfs:label) and associate it to ontologies and linked data?

2. How to represent and publish multilingual texts, annotations and \textbf{corpora} as linked data?
3. How to perform word sense disambiguation and entity linking of multilingual linked data?

4. How to generate multilingual linked data from data silos?

5. How to apply these techniques to a real use case?
MORNING

9:00 - 9:15  Opening: introduction and goals of the tutorial

9:15 - 10:30  Session 1: Modelling lexical resources on the Web of Data: the lemon model

10:30 - 11:00  Coffee break

11:00 - 11:30  Session 2 (1st part: introduction): Integrating NLP with Linked Data and RDF: the NIF format

11:30 - 12:40  Session 3: Multilingual Word Sense Disambiguation and Entity Linking on the Web based on BabelNet (lexical and encyclopaedic language resource)

12:40 - 14:00  Lunch break
AFTERNOON

14:00 - 14:45  **Session 2** (2nd part: hands-on): Integrating NLP with Linked Data and RDF: the **NIF** format

14:45 - 15:30  **Session 4** (1st part: introduction): Methodology and tools for Multilingual Linked Data **generation**

15:30 - 16:00  *Coffee break*

16:00 - 16:30  **Session 4** (2nd part: hands-on): Methodology and tools for Multilingual Linked Data **generation**

16:30 - 17:30  **Session 5**: Generating multilingual variants for automatically extracted sentiment lexicons: the Eurosentiment **use case**
WHAT YOU NEED

Your laptop...

and our pendrive
More Information

- LIDER project [http://www.lider-project.eu/](http://www.lider-project.eu/)
- lemon model [http://lemon-model.net/](http://lemon-model.net/)
- NIF Interchange Format [http://persistence.uni-leipzig.org/nlp2rdf/](http://persistence.uni-leipzig.org/nlp2rdf/)
- W3C Best Practises for Multilingual Linked Open Data community group [http://www.w3.org/community/bpmlod/](http://www.w3.org/community/bpmlod/)
- Eurosentiment project [http://eurosentiment.eu/](http://eurosentiment.eu/)