



An Expert System on Linguistics to Support Multilingual Management of Interlingual Knowledge bases

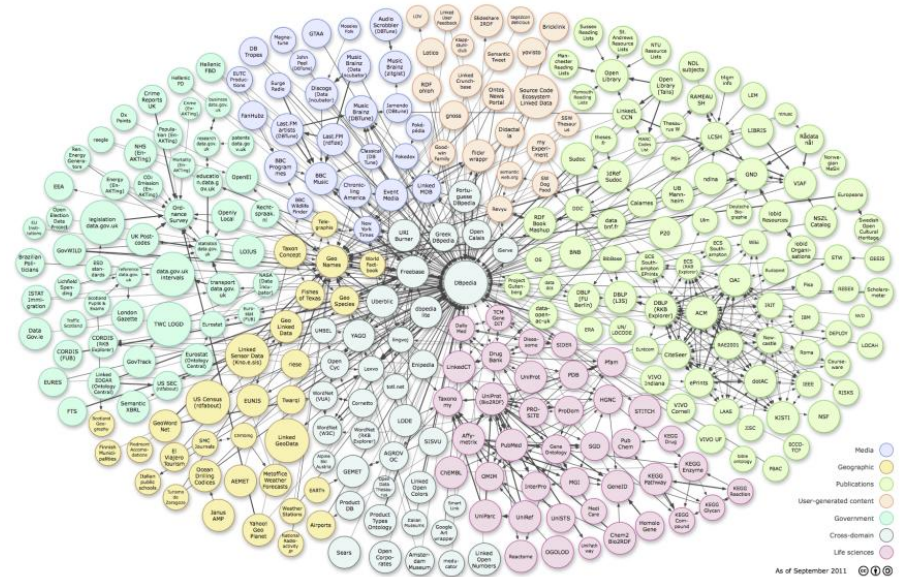
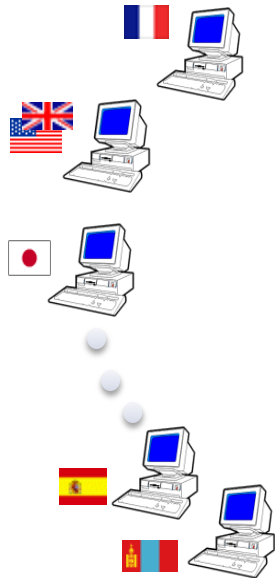
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3000 < natural languages < 7000

>31 billion RDF triples

295 data sets

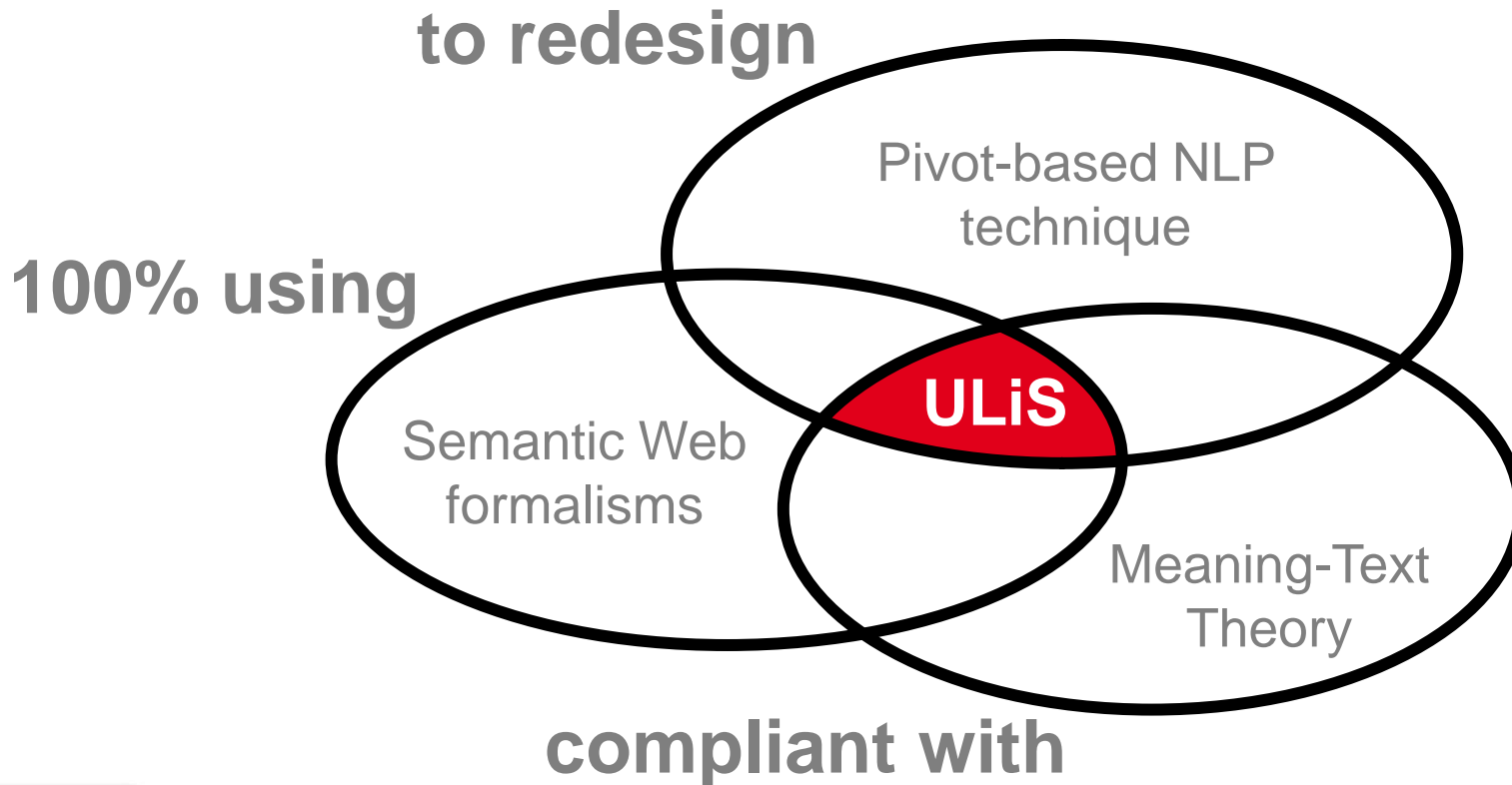
Interlinked by >503 million RDF links



⇒ multilingual access to the web of data
The  project

The ULiS project

→ a **U**niversal **L**inguistic **S**ystem



ULiS envisions three motivating scenarios

- 1- Machine Translation
- 2- Management of **I**nterlingual **K**nowledge **B**ases
- 3- Management of the **U**niversal **L**inguistic **K**nowledge base

The ULiS architecture

Split MTT's Explanatory Combinatorial Dictionary in interlingual vs. situational,
And use Semantic Web formalisms

The core component of the ULiS: the Interlingual Lexical Ontology

In the ILexicOn: Formal definitions of concepts: Interlingual Lexical Unit Classes



Links:

[Maxime Lefrançois's Home Page](#)

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Inria
INVENTEURS DU MONDE NUMÉRIQUE