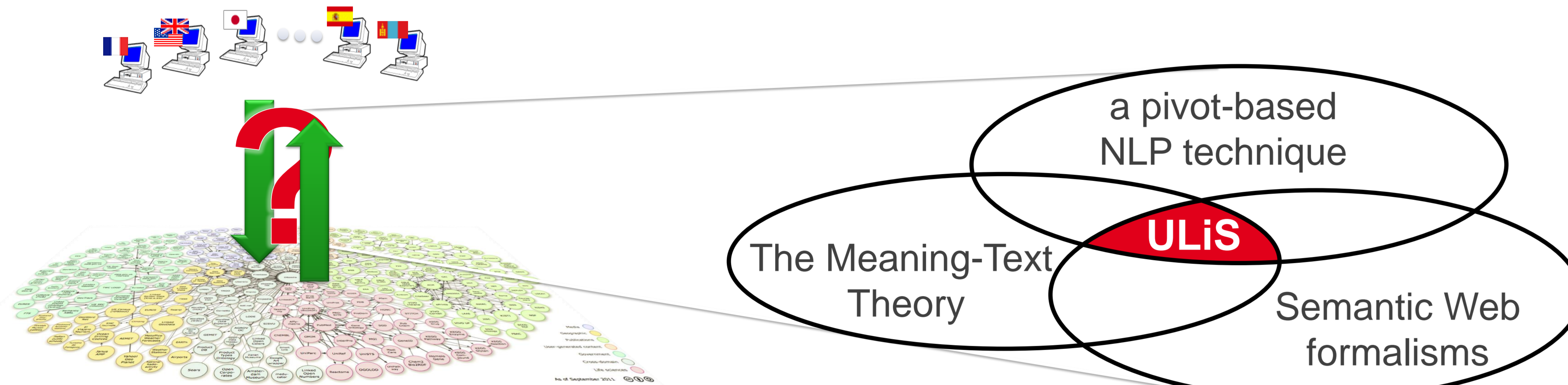


ULiS : An Expert System on Linguistics to Support Multilingual Collaborative Management of Interlingual Knowledge Bases

Maxime Lefrançois, Fabien Gandon (INRIA Sophia Antipolis – Edelweiss)

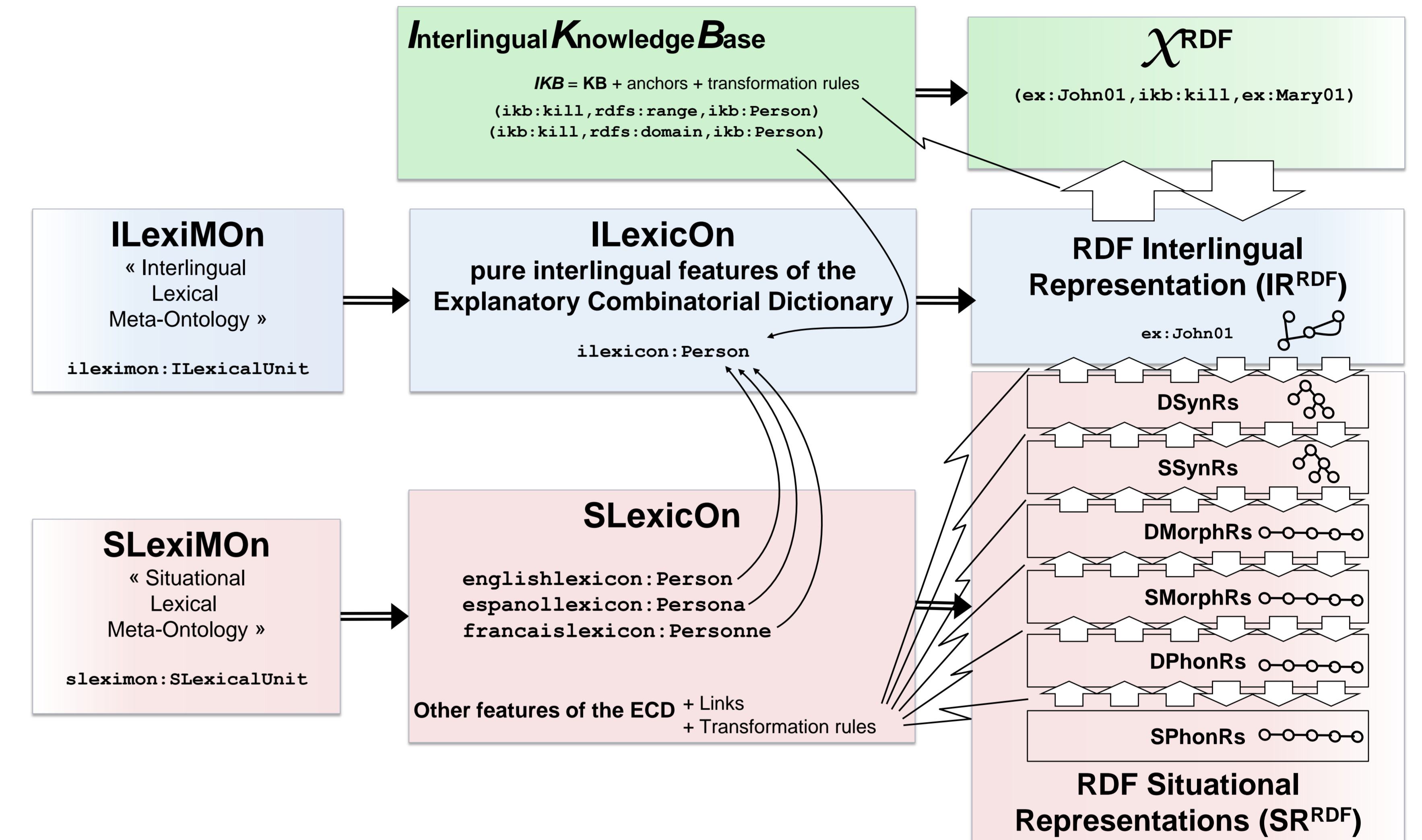
How to enable multilingual access to the web of data ?

ULiS aims at designing a pivot-based NLP technique compliant with the Meaning-Text Theory 100% using the Semantic Web formalisms, to enable multilingual access to the web of data and to suppress the language barriers of the web.

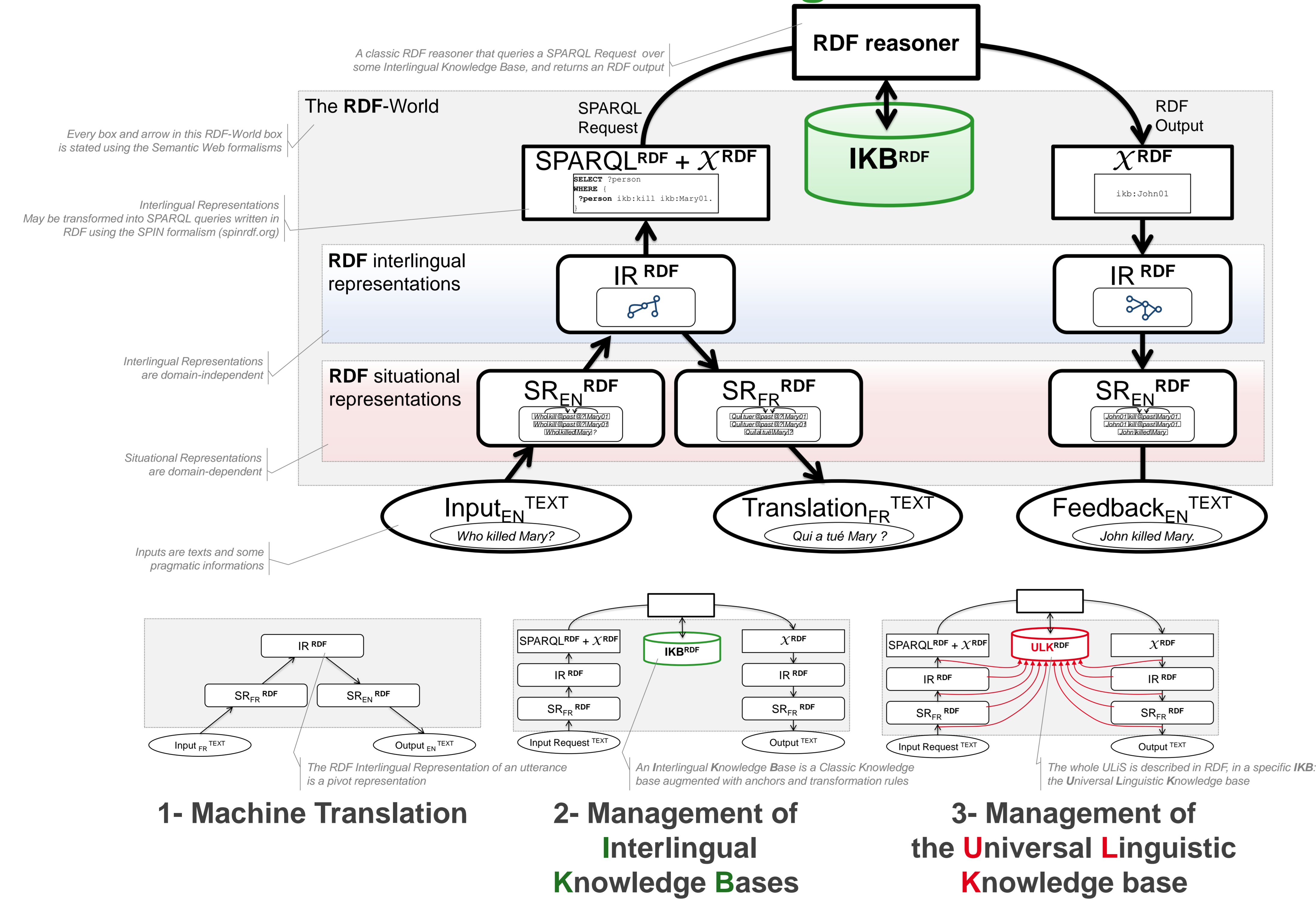


ULiS: The Universal Linguistic System: Architecture overview

The Meaning-Text Theory's Explanatory Combinatorial Dictionary is split in two parts: Interlingual vs. *situational* (i.e., domain/language-dependent)



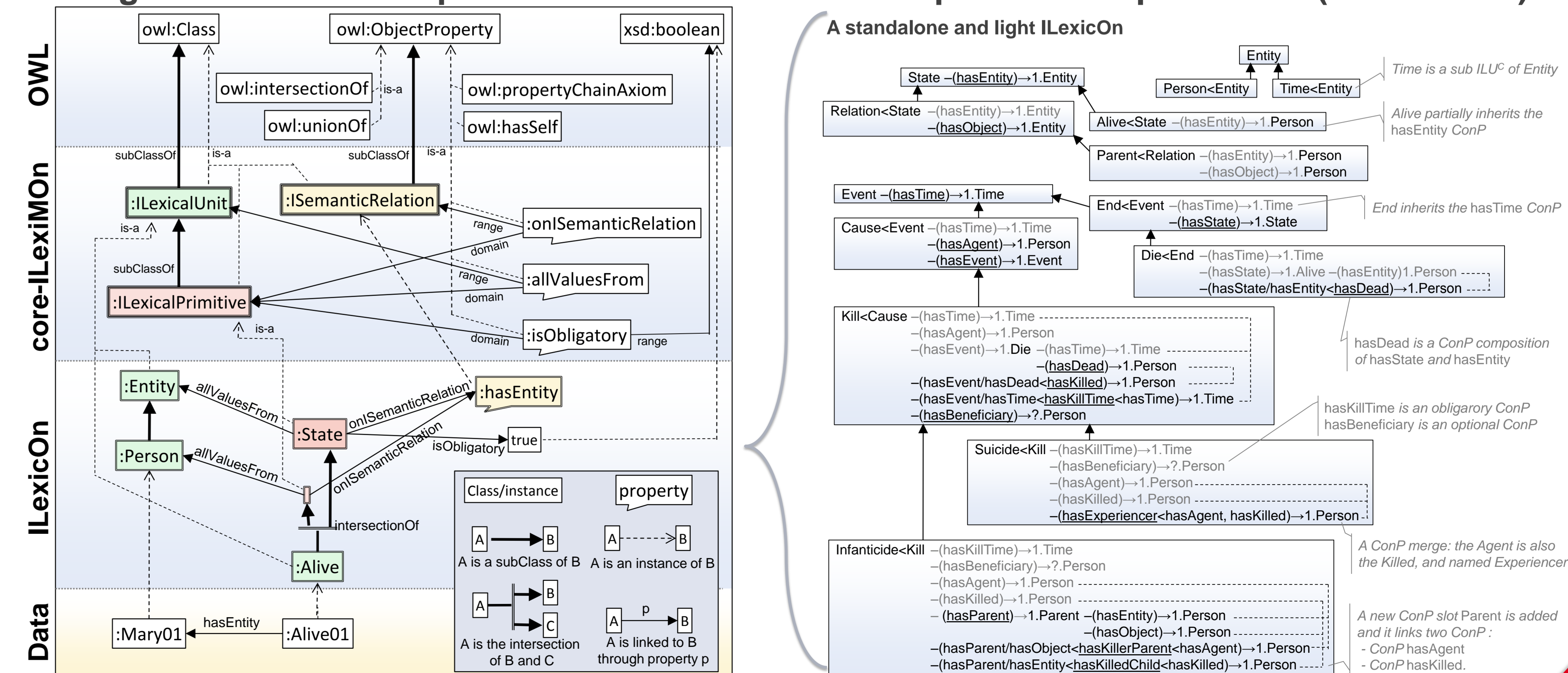
ULiS envisions three motivating scenarios



In the ILexiOn: Interlingual Lexical Unit Classes

A formal way to represent lexicographic definitions in the ILexiOn

Using lexicalized conceptual relations: Named Conceptual Participant Slots (ConP-Slots)



One could thus enhance the controlled natural language by means of requests expressed in controlled natural language

<http://ns.inria.fr/ulk/2011/06/10/ileximon-core>, <http://ns.inria.fr/ulk/2011/06/10/ilexicon-ex>, <http://ns.inria.fr/ulk/2011/06/10/sems-ex>

