# EU★BRIDGE TECHNOLOGIES

EU-BRIDGE Partners

Karlsruhe Institute of Technology (Germany), RWTH Aachen University (Germany), Fondazione Bruno Kessler (Italy)

Contacts

Karlsruhe Institute of Technology
Adenauerring 2
D-76131 Karlsruhe
http://isl.anthropomatik.kit.edu
Prof. Alex Waibel
Alexander.waibel@kit.edu

European Parliament Interpreter Support
– Web Service on Terminology and Named Entity
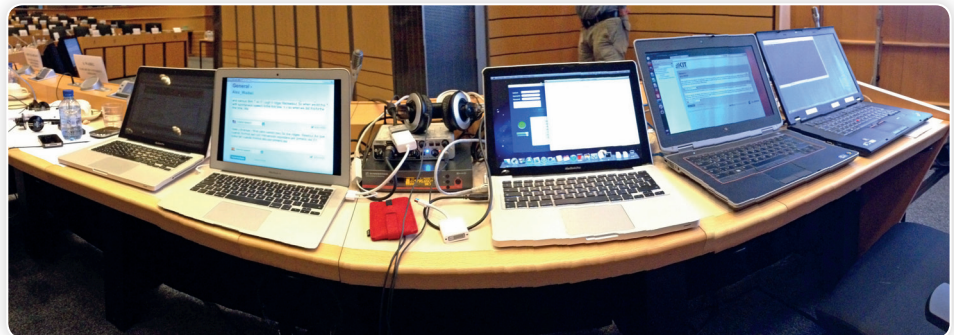
Description and Exploitable Knowledge

A web-based service, that aims to support the European Parliament (EP) interpreters to reduce their preparation work and find key information easily, has provided easy-to-use and user-friendly terminology extraction and named entity tagging.

As part of the preparation work, interpreters need go through the EP documents provided for the new session and look for terminology which is usually hard to translate. Based on the same (PDF) documents, our web-based service allows interpreters to retrieve terminology lists and translate them automatically.

The name entities are important since interpreters find it difficult to remember and (therefore) accurately translate numbers, names, etc. Our web-service provides named entity tagging on 13 types, which right now works on pre-selected documents, but aims to work on written text, as well as automatic speech transcriptions. Furthermore the 13 types named entities are highlighted in different colours.

Our web-service support the user to upload their own files and the tool also provides access to actual parliamentary documents, which should enable the interpreter to prepare for specific upcoming sessions in his own personal environment.

Finally, welcome to access the web-service and wish you enjoy it.
https://www.interpreter-support.eu

Infrastructure

The website is a single-page application (SPA), using the JavaScript framework AngularJS. On the backend, it is written in Python 2.7 and uses the framework Django. It runs on an Apache 2.2 webserver with PostgreSQL as database. To support real-time events, we use a separate Node.js driven websocket server. The hard work (terminology extraction and named entity tagging) is done by a dedicated computation server, with Celery as task runner and RabbitMQ as message queue.

The following schema illustrates the currently used setup.
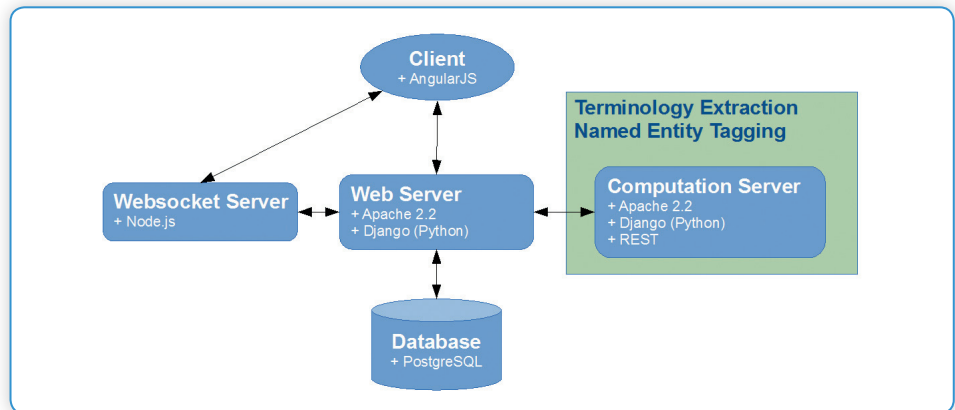
Application Sectors

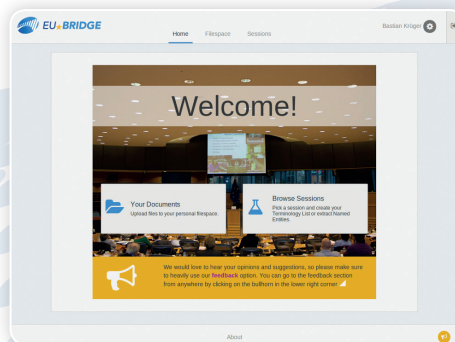Translators, Interpreters, Document Editors

Technical Requirements

Fast Internet Connection

Terms of Availability

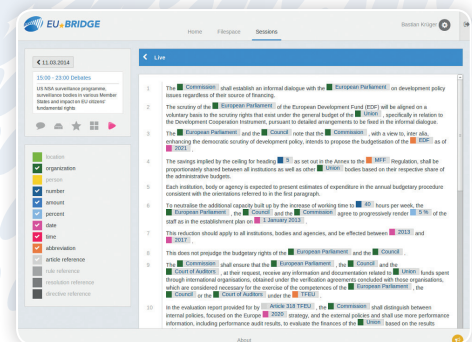https://www.interpreter-support.eu

IPR Protection

Karlsruhe Institute of Technology (Germany), European Parliament

Help interpreters to work easier and faster.

Highlight the named entities in a document.