



## EU-BRIDGE Partners

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

## Contacts

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The work leading to these results has received funding from the European Union under grant agreement n°287658



[www.eu-bridge.eu](http://www.eu-bridge.eu)

## European Parliament Interpreter Support – Web Service on Terminology and Named Entity



### Description and Exploitable Knowledge

This web-based service supports the European Parliament (EP) interpreters in their preparation work for meetings and their work in the booth.

### Preparation for Upcoming Meetings

As part of the preparation work, interpreters need go through the EP documents provided for the upcoming meetings, such as committee meetings and parliamentary sessions. Interpreters highlight terms which are unfamiliar and difficult to translate.

Our web based service automates this process. It finds and lists terms that interpreters need to prepare for and suggests translations for them, which are retrieved from appropriate online sources.

Interpreters can organize their files they use for preparation in their own personal space. They can either upload their own or access the documents provided by the European Parliament on its web site.

### Support in the Booth

While working in the booth, named entities are challenging to the interpreters, as it is difficult for them to remember and then translate numbers, names, etc.

Our service provides online named entity tagging on 13 types and works on written text, as well as automatic speech transcriptions. Furthermore the 13 types named entities are highlighted in different colours.

<https://www.interpreter-support.eu>

### Project Coordinator

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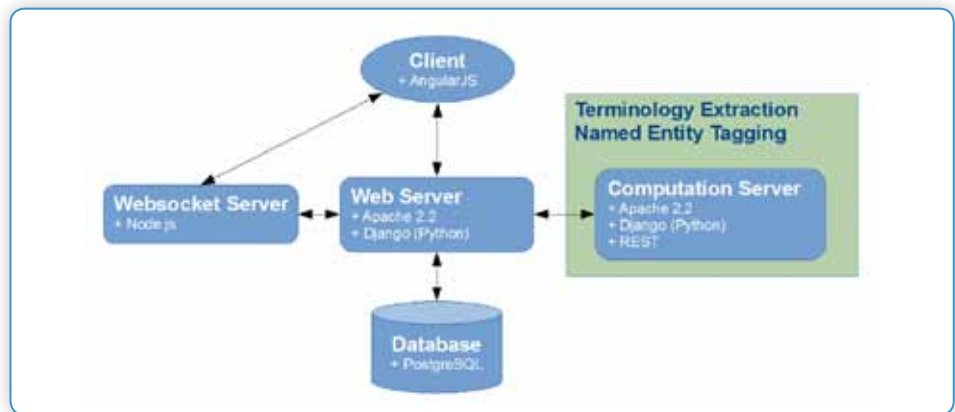
### EU-BRIDGE - the Project

EU-BRIDGE is a European Integrated Project that aims at developing automatic transcription and translation technology that will permit the development of innovative multimedia captioning and translation services of audio-visual documents between European and non-European languages.

## 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 and uses PostgreSQL as database. To support real-time events, we use a separate Node.js driven websocket server. Computation intensive work (terminology extraction and named entity tagging) is done by a separate computation server, that also runs on Apache 2.2 + Django and defines a simple REST API, that makes it easy to implement third-party services in the future.

The following schema illustrates our 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.