



EU-BRIDGE Partners

Karlsruhe Institute of Technology
(Germany)

Contacts

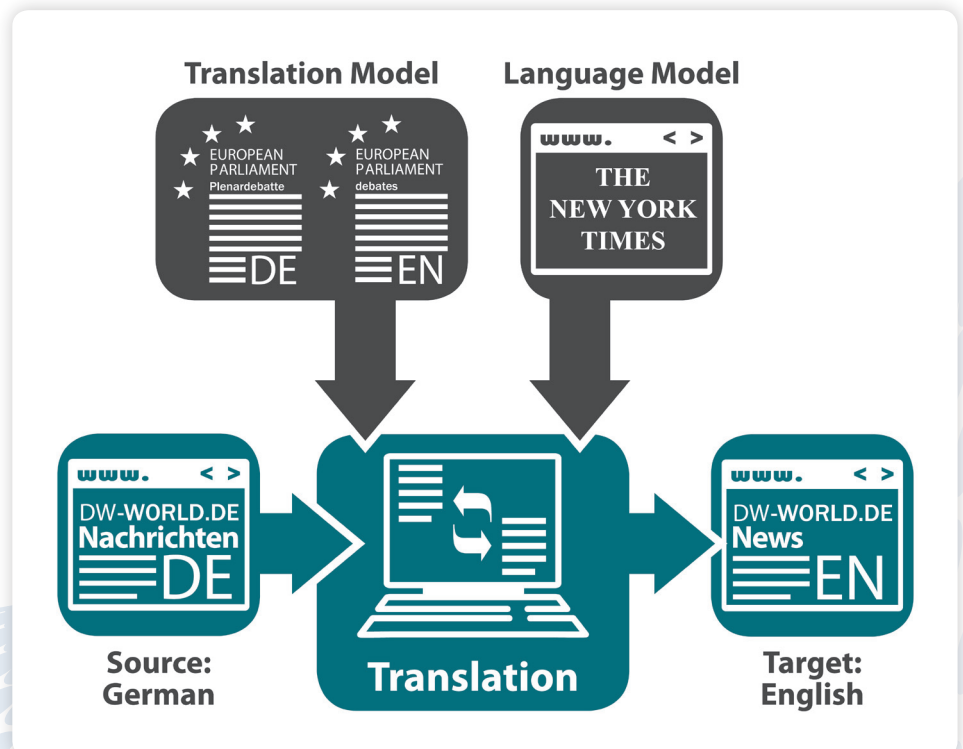
Karlsruhe Institute of Technology
Adenauerring 2
D-76131 Karlsruhe
<http://isl.anthropomatik.kit.edu>
Prof. Alex Waibel
alexander.waibel@kit.edu

Statistical Machine Translation

Description and Exploitable Knowledge

A statistical machine translation system translates text and transcribed speech from one language into another language.

The systems are trained on large amounts of parallel and monolingual data using publicly available collections such as the EPPS or News Commentary corpora as well as data collected specifically for a given task. In order to achieve the best performance, the systems can be adapted to this task using small amounts of perfectly matching data (lectures, Sky News,...).



Translation Model

Project Coordinator

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



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www.eu-bridge.eu

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

- MT engine runs as a worker in the EU-BRIDGE infrastructure
- Worker is constantly on the server waiting for text
- Worker receives segmented text from other workers in the source language and translates this text into the target language
- If needed, different workers can be combined to translate via a pivot language (e.g. French – English – German)

Application Sectors

- Sky News
- Lecture translation
- Webinars

Technical Requirements

- Server:
 - 8GB RAM and 1 core
 - Memory requirements can be reduced depending on the task
 - OS: Linux Ubuntu LTS 12.04

Terms of Availability

Can be inquired at the Karlsruhe Institute of Technology (Prof. Alex Waibel)

IPR Protection

Karlsruhe Institute of Technology (Prof. Alex Waibel)