EU-BRIDGE – The Goal

EU-BRIDGE seeks to achieve rapid technology transition and market introduction by building distributed services instead of transferring software and by making deployment more rapidly. This will be done through distribution to the scientific community, but also to the general public, inspiring other users and proving the feasibility of the concept.

EU-BRIDGE focuses on the major areas of research in the speech translation area and will be evaluated on an international basis. The engines developed for the integration into the speech translation service infrastructures will be evaluated in an international stage against worldwide participants in external evaluation campaigns.

Rapid Technology Transition and Market Introduction

The program will strive to translate research development to commercial deployment more rapidly. This will be done by building distributed services instead of transferring software and by making deployment part of the project. The systems will be applied to real-world data, and we will carry out pilot experiments and field trials involving more than four use cases.

EU-BRIDGE – Objectives

Effective, innovative and independent ariables must be provided for Europe to advance spoken language technologies.

- To build one of the largest combined language databases on the following:
  - comparable data, monolingual
  - not well-prepared data, the cost of data acquisition will be reduced, thus, making technology transition and market introduction part of the project.
  - implicitly, i.e. by crowd sourcing, the cost of data will be reduced.

- To provide speech and machine translation components adaptable to the project, which will be the pioneers in this field.

- To build a speech translation service infrastructure upon which several applications than the four use cases of the project and will be collected with the help of the partners fleeting this data. The engines developed for the integration into the speech translation service infrastructures will be evaluated in an International stage against worldwide participants in external evaluation campaigns.

EU-BRIDGE – Evaluation and Dissemination

EU-BRIDGE – Research

In order to build the service infrastructure for speech translation, engines from the academic and industrial partners will be integrated into a service framework that offers as many options for the user as the developers. Therefore, the academic partners perform research on the laboratory level, and the industrial partners develop marketable systems.

Performance:

- We will advance spoken language technologies so they can process and translate human information content from one language to another in situations that can so far only be handled by human experts. This includes specialized but conversational tasks, meetings, presentations, as well as highly difficult, conversational, scientific, and long speech (talking, telephone calls). We will perform research in the areas of robustness, rapid adaptation, speech translation, sentence modeling, and context representation. We will also develop possibilities schemes that adapt systems to new users and new languages available both in speech recognition and translation.

- We will continue efforts and expertise, it will build one of the largest combined language databases available both in speech and semantic modeling, and content representation.

- Language Portability for Europe:

EU-BRIDGE will provide speech and machine translation capability for languages of interest to Europe. Building on existing efforts and expertise, it will build one of the largest combined repositories of language information available both in speech recognition and translation and will address its need for all communication channels. We will create European languages and under-resourced European languages and will reach out to languages of the BRIC economies. Focused research efforts to improve portability it is an important step. These efforts will involve the cost of building new infrastructure or providing better than a web-based one-size-fits-all solutions.

- To provide comparable data, monolingual; not well-prepared data, the cost of data acquisition will be reduced, thus, making technology transition and market introduction part of the project. The systems will be applied to real-world data, and we will carry out pilot experiments and field trials involving more than four use cases.

- EU-BRIDGE will significantly reduce data collection and annotation effort by making use of available but not well-prepared data. The quality of data.

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