Bergamot

Browser-based Multilingual Translation

A Horizon 2020 Research and Innovation Action
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… to enable users to use their web browser to interact with the world in languages that they do not speak, or do not speak well, without giving up privacy and confidentiality.

Privacy

Will confidential data remain confidential?

Trust

Can we trust the translation?

Inbound and Outbound Translation

What if I have to fill in a web form?

Ptakopět

Source language: German

Der neue Plan der Briten sieht vor, dass EU-Regeln in Nordirland nicht nur für Nahrungsmittel- und Tierexporte einige Jahre weiter gelten, sondern für alle EU-Güterausfuhren.

Target language: Czech

Nový britský plán stanoví, že pravidla EU v Severním Irsku se budou vztahovat nejen na vývoz potravin a zvířat o několik let dále, ale i na všechny vývozy do EU.

Backward translation:

Der neue britische Plan sieht vor, dass die EU-Vorschriften in Nordirland nicht nur für Lebensmittel- und Tierexporte um mehrere Jahre weiter gelten, sondern auch für alle Exporte in die EU.

Translator backend:	ÚFAL Translation Dev ▾
Quality estimator backend:	Random ▾
Alignment backend:	fast_align ▾
About Ptakopět	Join study

Quality

Speed

Ease of Use

Openness

- Open-source software.
- Open access models.
- Open access publications.

- Inbound translation interface.
- Display of QE results.
- Outbound translation interface.

- Weakly supervised training of QE models.
- Online adaptation of QE models from user feedback.
- QE models for adequacy.
- Data collection.

- Develop algorithms to identify parts of the input that are difficult to translate.
- Learn to disambiguate or simplify difficult-to-translate segments.
- Multi-source translation, taking into account, for example, multiple rephrasings of the input.
- N-best list navigation.

- Data Collection.
- Offline DA: use domain information to improve translation quality at training time.
- Online DA: use or guess domain information at translation time.
- Adaptation to meta-data.

- CPU optimization.
- Auto-tuning to available hardware.
- Search algorithms.
- Reducing model size with minimal loss in translation quality.
- Multi-lingual models.
- Non-autoregressive models.

Language Pairs Covered in the Project

Czech ⇔ English

Estonian ⇔ English

French ⇔ English

German ⇔ English

Polish ⇔ English

Spanish ⇔ English

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https://browser.mt

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