Modelling a Parallel Corpus of French and French Belgian Sign Language (LSFB)

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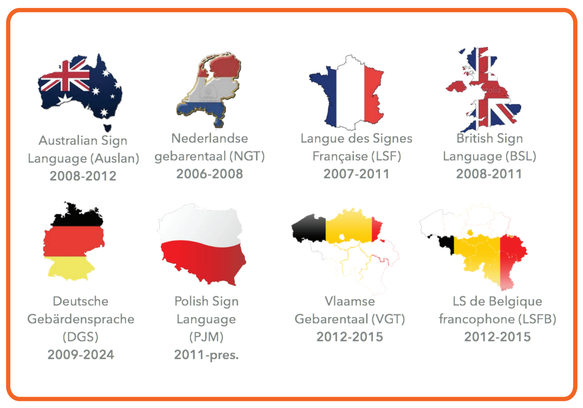
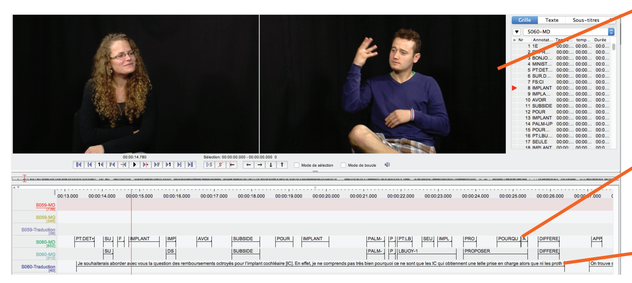


01 Sign Language corpora

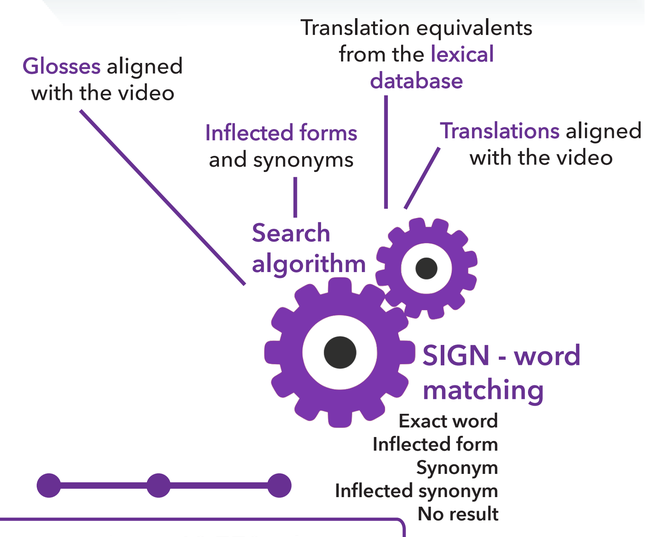


- Videotaped signed data
- Written glosses of the signs (manual task)
- Translation of the data into written language

02 Parallel corpora?

- Sign
- Gloss: IMPLANT
- Translation: des remboursements octroyés pour l'implant cochléaire

03 Alignment



Current results on **18,770 tokens**:

- **6,592**: no result found
- **3,211**: one gloss matching different words (OneToMany)
- **8,211**: several glosses matching the same word (ManyToOne)
  - **5,800**: without the 2-handed signs
- **9,668**: exact match

UNEXPECTED MEANINGS? TO BE REVIEWED REPETITIONS? SIGN-WORD STABLE PAIRS?

04 Meanings in context

AUSSI aussi, même, comme, **aussi que, autant, comme si, égal, également, en plus, même chose, parce que, tout aussi, tout comme, vu que, en quelque sorte, plus**

Additional meanings that enrich the lexical database

www.corpus-lsfb.be

Videos	150 hours x 4 synch. shots
Annotations	12 hours, i.e. 104,000 tokens
Lexical database	2,500 types
Translations FR	3 hours, i.e. 2,400 sentences

Open access corpus of French Belgian Sign Language (LSFB)

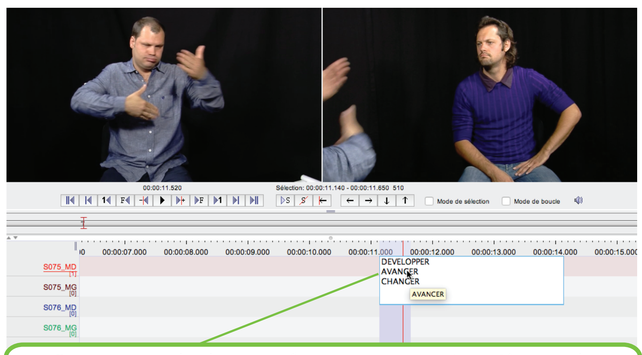
05 Searchable concordancer

Fictitious examples inspired by the Linguee interface

Bank of examples: lexical and non-lexical translation equivalents

06 Assisted annotation

Suggestions to the annotator while annotating



Suggested glosses for one meaning (from the enriched list of meanings in context)

+ Suggestions based on the text of the previously translated video?

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