A corpus-based lexical database for Sign language of the Netherlands

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Abstract

This paper describes the creation of a corpus-based lexical database for a signed language, namely Sign Language of the Netherlands, which can later be developed into a multipurpose dictionary. The content of the database is based on the annotation of a large video corpus of this language, using ID-Glosses as the key between database and annotation files by lack of an accepted writing system. Our practices contribute to developing international conventions for both glossing practices and lemmatisation of signed languages, while being innovative in the way frequency data from the corpus are included in the lexical database. The paper further describes some of our recent contributions in the development of the Signbank software and the ELAN multimedia annotation tool.









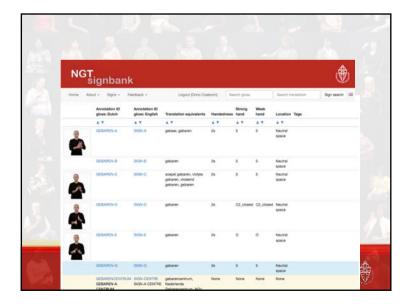
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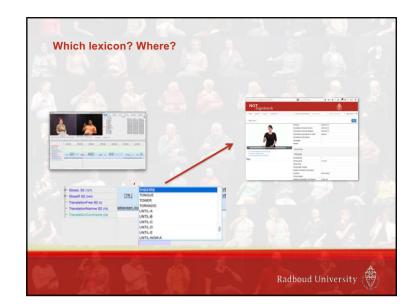








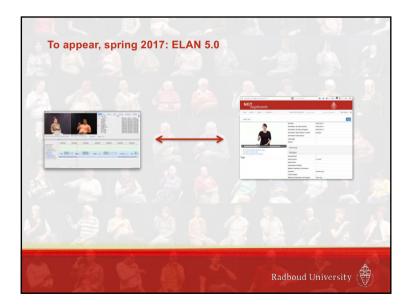




NGT signbank Horre About - Signs - Feedback -	Logout (Onno Crasborri) Search glos	s Sign search
Public View		Edit
	ID Gloss	TONEEL
()	Annotation ID Gloss (Dutch)	TONEEL
2	Annotation ID Gloss (English)	THEATRE
The second second	Translation equivalents in Dutch	toneel, theater
	Annotation instructions	
	Word class	-
No.	Morphology	
	Phonology	
	Handedness	2a
E	Strong Hand	v
	Weak Hand	v
A CONTRACTOR	Handshape Change	÷.
	Relation between Articulators	Ť.
ALC: NOT	Location	Neutral space
125	Virtual Object	÷
Contraction of the second of the second s		





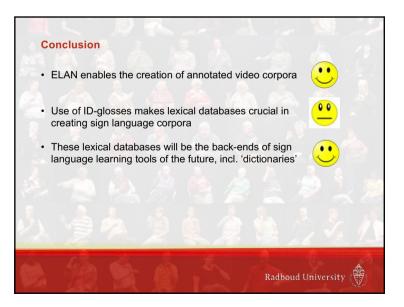














Conclusion ELAN enables the creation of annotated video corpora Use of ID-glosses makes lexical databases crucial in creating sign language corpora These lexical databases will be the back-ends of sign language learning tools of the future, incl. 'dictionaries' Thank you! Ocrasborn@let.ru.nl www.ru.nl/sign-lang, www.ru.nl/corpusngtuk

