

# Continuous Sign Language recognition for the design of a gestural server

Yanis Ouakrim

Gipsa-Lab, LISN

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Name	Year	SL	Duration	#Videos	#Signers	Gloss	Text	Voc. Size	Spontaneity
RWTH-PHOENIX [1]	2014	DGS	12.5	386	9	Yes	Yes	2,048	Low
SIGNUM sentences [2]	2009	DGS	33.51	21,840	25	Yes	Yes	450	Low
Public DGS Corpus	2018	DGS	50	-	<b>330</b>	Yes	Yes	-	High
CUNY ASL [3]	2014	ASL	3.53	242	8	Yes	Yes	-	High
How2Sign [4]	2021	ASL	<b>79.12</b>	2,529	13	Yes*	Yes	<b>16,609</b>	Average
RWTH-BOSTON-104 [5]	2007	ASL	-	201	3	Yes	No	168	-
BSL Corpus [6]	2011	BSL	125	-	249	Yes	Yes	5,000	High
BBC BOBSL	-	BSL	-	-	-	-	-	-	Average
DictaSign V2 LSF [7]	2020	LSF	8.00	207	18	Yes	No	2,252	High
MEDIAPI-SKEL [8]	2020	LSF	27	368	>100	No	Yes	-	Average
GSL20 [9]	2020	GSL	9.59	10,290	7	Yes	No	310	Low
Video-Based CSL [10]	2018	CSL	100	3500	50	No	Yes	178	Low
KE'TI [11]	2019	KSL	27.99	14,672	14	Yes	Yes	105	Low
Corpus LFSB [12]	2016	LSFB	12.00	2,400	100	Yes	Part.	2,500	High
SWISS TXT-RAW [13]	2021	DSGS	12.15	181	100	Yes	Part.	2,500	High

Figure: Continuous Sign Language Labelled Corpora. \*not available yet

Name	Potential duration	#Signers	Subtitles	Interpreting	Publishable
Média-Pi	>27	>100	Yes	No	No
Les 10 minutes M6	121.7	3	Yes	No	Maybe
Comptes rendu conseil des ministres	20.8	4	Yes	Yes	Yes
Tout en signes	4.7	>1	Yes	Hybrid	Maybe
L'Œil et la main	468	-	Yes	No	Maybe

Figure: Online LSF copora

# Perspectives

- Transformer based baseline
- Precise definition of needed data