

Recent End-to-End SLT Results (Sulubacak et al., 2019)

Table 4: BLEU scores for SLT methods on English→French Augmented LibriSpeech/test.
All systems are end-to-end, except for the pipeline system marked with a dagger (†).

Approach	BLEU ↑	Training data			Description
		SLT (h)	ASR (h)	MT (sent)	
Berard et al (2018)	13.4	100h			CNN+LSTM. Multi-task.
Di Gangi et al (2019b)	13.8	236h			CNN+Transformer.
Bahar et al (2019)	17.0	100h	130h	95k	Pyramidal LSTM. Pretraining, augmentation.
Liu et al (2019)	17.0	100h			Transformer. Knowledge distillation.
Inaguma et al (2019a)	17.3	472h			CNN+LSTM. Multilingual.
Pino et al (2019)	21.7	100h	902h	29M	CNN+Transformer. Pretraining, augmentation.
Pino et al (2019)†	21.8	100h	902h	29M	End-to-end ASR. CNN+LSTM.