A corpus of Andi field recordings

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Outline of the talk

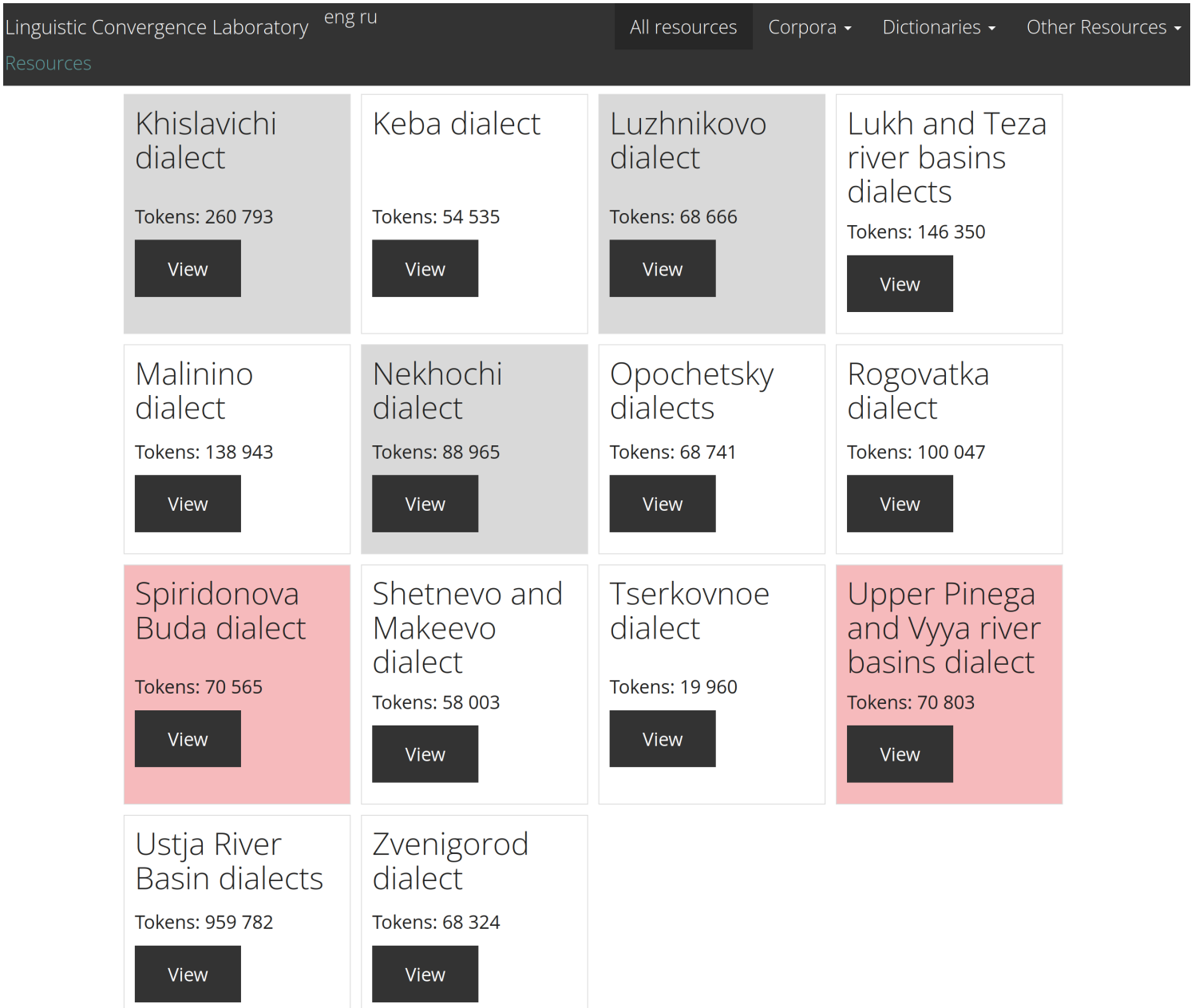
- Corpora of Linguistic Convergence Laboratory
- An example of Meadow Mari corpus
- Andi language and its data
- Our path towards the corpus

Corpora of Linguistic Convergence Laboratory

Corpora of Linguistic Convergence Laboratory: http://lingconlab.ru/

- Russian Dialect corpora (14)
- Corpora of Bilingual Russian (7)
- Corpora of minority languages of Russia (6)

Corpora of Linguistic Convergence Laboratory: http://lingconlab.ru/



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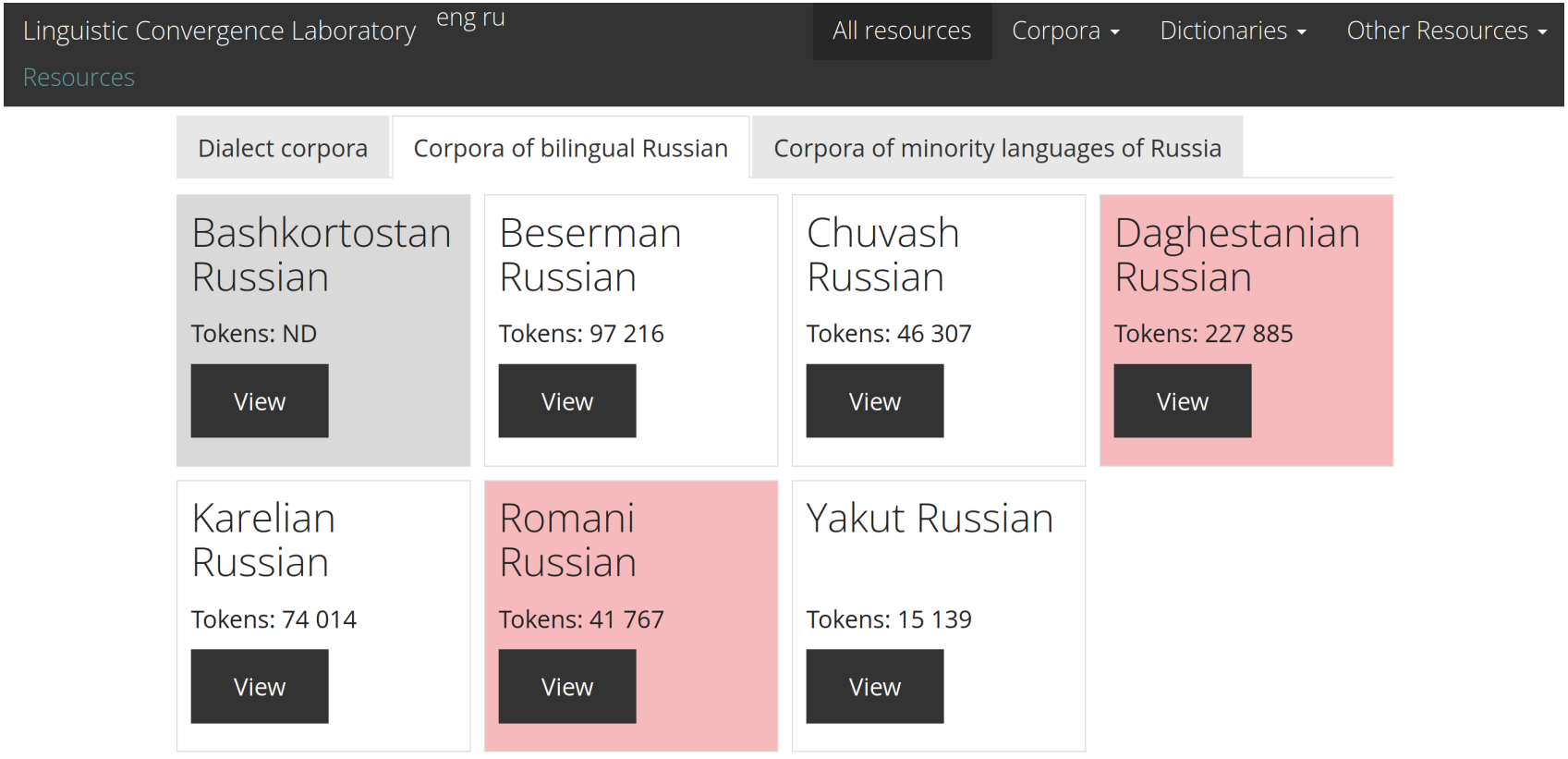

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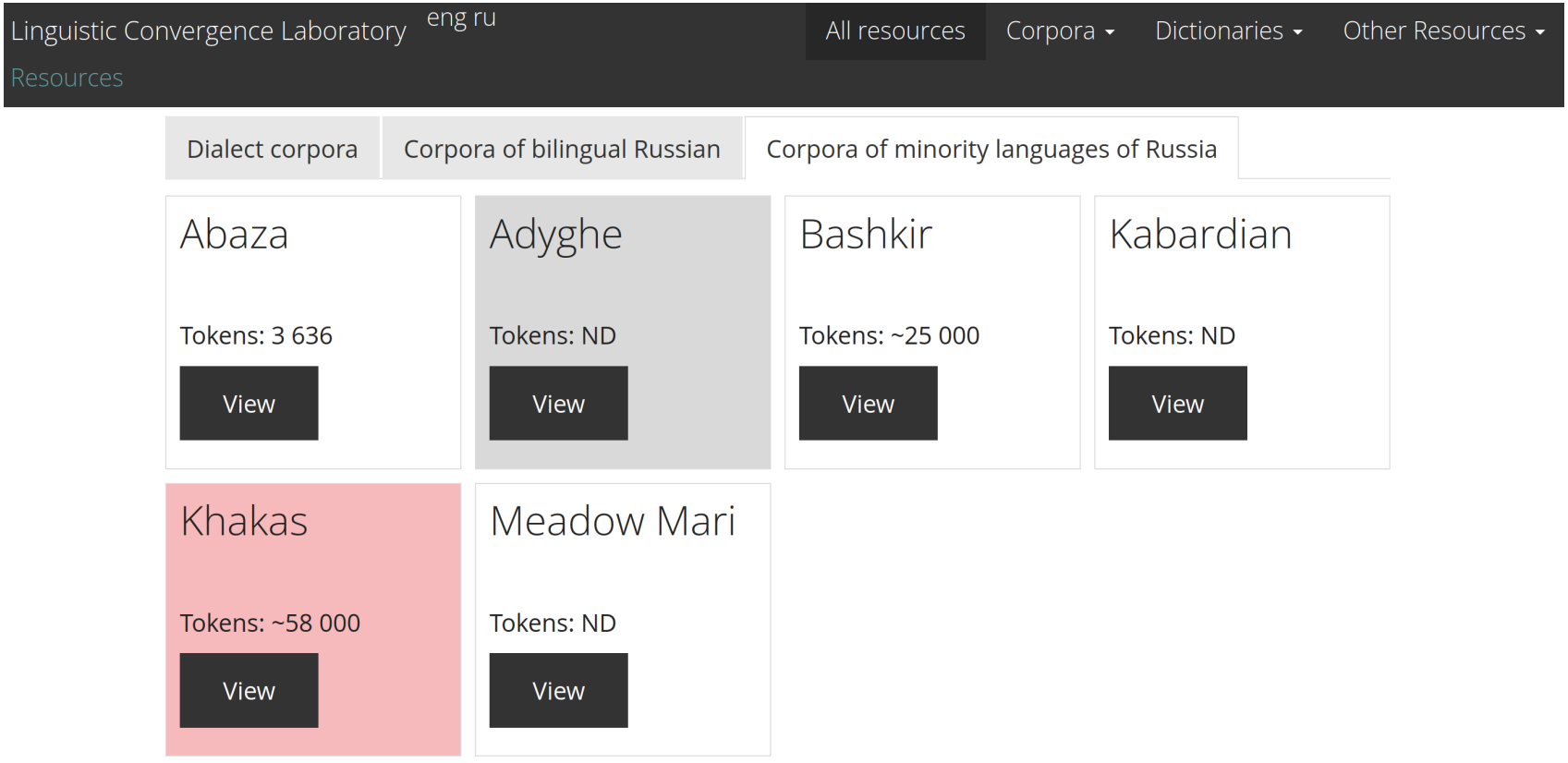
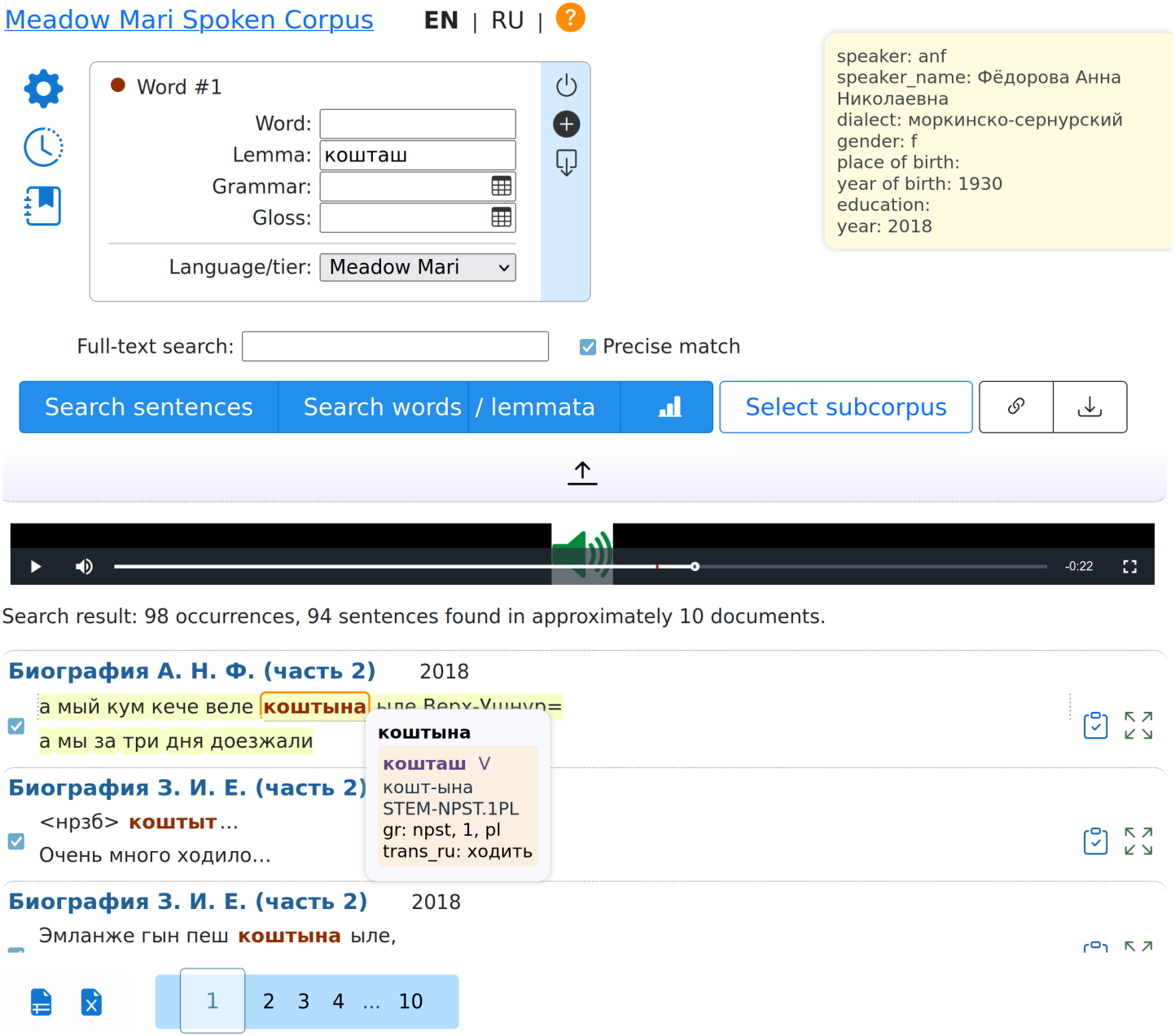


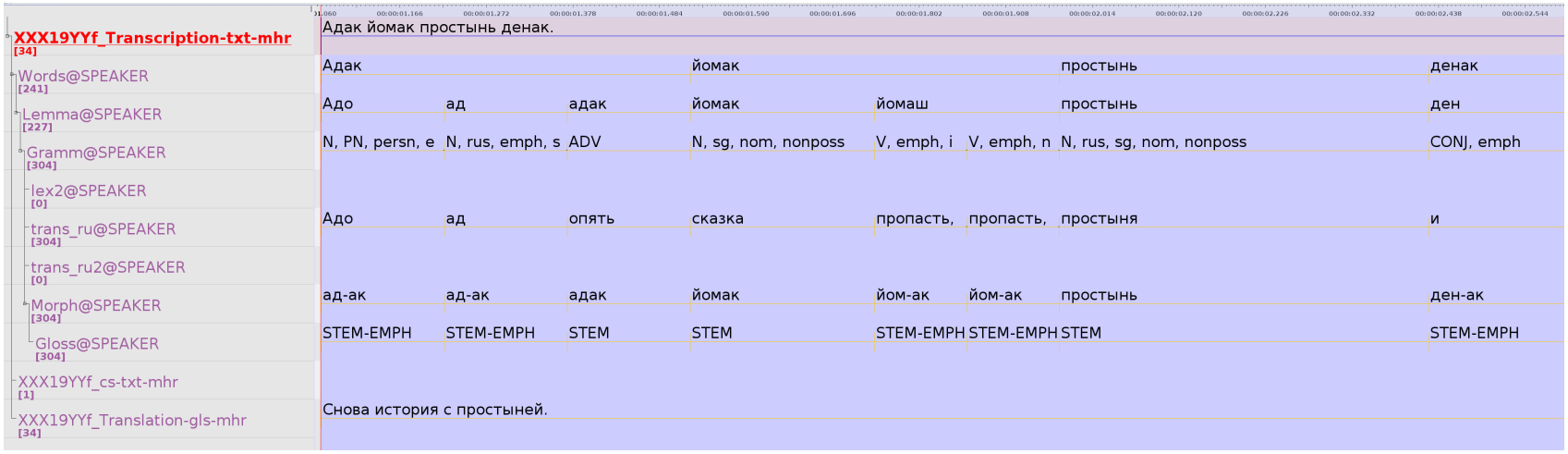
Example of Meadow Mari corpus



Example of Meadow Mari corpus

- translation
- glosses
- audio/video
- export to `.xlsx`
- sociolinguistic information

Example of required ELAN .eaf file



XXX19YYf_Transcription-txt-mhr [34]	Адак йомак простынь денак.						
Words@SPEAKER [241]	Адак			йомак		простынь	денак
Lemma@SPEAKER [227]	Адо	ад	адак	йомак	йомаш	простынь	ден
Gramm@SPEAKER [304]	N, PN, persn, e	N, rus, emph, s	ADV	N, sg, nom, nonposs	V, emph, i	V, emph, n	N, rus, sg, nom, nonposs	CONJ, emph
lex2@SPEAKER [0]							
trans_ru@SPEAKER [304]	Адо	ад	опять	сказка	пропасть,	пропасть,	простыня	и
trans_ru2@SPEAKER [0]							
Morph@SPEAKER [304]	ад-ак	ад-ак	адак	йомак	йом-ак	йом-ак	простынь	ден-ак
Gloss@SPEAKER [304]	STEM-EMPH	STEM-EMPH	STEM	STEM	STEM-EMPH	STEM-EMPH	STEM	STEM-EMPH
XXX19YYf_cs-txt-mhr [1]							
XXX19YYf_Translation-gls-mhr [34]	Снова история с простыней.						

- hierarchy of tiers
- time alignment
- stem forms

Developing the corpus of Andi

The Andi Language: a sociolinguistic background

- Andic < Avar-Andic < East Caucasian, glottocode [andi1255]
- spoken in several villages of the Botlikh district of Dagestan.
- more than 20,000 speakers of Andi [Aglarov (2002); All-Russian National Census 2010]
- Andi speakers are trilingual in Andi, Avar and Russian
- Avar serves as a lingua franca and is taught in school (Dobrushina et al. 2017)

Created with `lingtypology` (Moroz 2017)

Andic data

	Andi	Rikvani	Gagatli	Zilo
materials	(Kibrik and Kodzasov 1988; Alekseev 1999)	(Sulejmanov 1957)	(Salimov 2010)	(Kaye et al. orth)
grammar sketch	+	+	+	+
dictionary	+	-	±	±
morphological parser	±[1]	-	-	-

[1]A pilot version of a morpholoical parser of Andi is presented in (Buntyakova 2022).

Andic data

- How many hours do we have?
- How many is annotated?

Problems

- Andi has several dialects and no cross-dialectal standard;
  - no full-fledged dictionary
  - no full-fledged grammatical parser (though see a first attempt in (Buntyakova 2022))
- Our recorded data are heterogeneous
  - different dialects
  - different conventions
  - different file formats
- Due to our limited knowledge of the Andi dialects, sometimes we do not know what the correct analysis of a given word form is.

Solution

The material has to be converted to a singular format using `phonfieldwork` (Moroz 2020). For the Andi dialectal corpus the pipeline is as follows:

- we preprocess the annotation files, converting them to ELAN `.eaf` format (Wittenburg et al. 2006),
- align them with the sound
- gloss them manually or correct mistakes and ambiguities left by morphological parser
- publish online using the Tsakorpus platform (Arkhangelskiy 2019)
- repeat all previous steps

Conclusions

Conclusions:

Thank you for your attention!

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