

Crawling, Archiving, and Corpus Creation

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Goal: typological sample of language corpora

- include 'small' languages with **limited data** available
- use **all data** (as much as possible) available
- **linguistic specialists** have to be involved

Specialist's worries should also be our worries

- **details** become very important
 - transcription
 - context
 - author
- **trackability** of corpus creation
- original context is **recoverable**
- **corrections** should be possible

Proposed phases of corpus construction

- collection
- extraction
- synchronization
- versioning


Every phase should be recoverable!

Collection

- keep **original text** in archive (possibly with strong access restrictions)
- annotate files with **metadata**
 - SIL language code
 - file format
 - text encoding used (store font is needed!)
 - date, genre, ...

Web-crawling


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Hadia Ni'andrō Lowalangi moroi Khōda? 

Lala Wangoguna'ō Buku Side'ide Andre

Buku side'ide andre ba te fa'anō ba wa me'e famahaō Sura Ni'ameni'ō. Hewisa lala wangoguna'ō ya'ia? Ma tuturu lala wa ngoguna'ō ya'ia: Ero sambua bōrōta wamaha'ō, ba so ganofula. Bakha ba dandra kuru aefa wanofu ba ō'ila numero ngendroli sangoroma'ō heza so ngendroli da'ō tesōndra wanema li. Si fōfōna ua ba ōbaso ganofula irege ahoi. Angeragō ua ganofula da'ō. Ba aefa da'ō ba ōbaso ero sambua ngendroli, ba fareso ngawua zura si so bakha ba Zura Ni'ameni'ō si so khōu. Ba na no ō'asiwai zi sambua famahaō, ōfuli ōfaigi zui ganofulania ba tandraigō tōrō tōdōu wanema li moroi ba Zura Ni'ameni'ō ero sambua anofula. Ba na no ō'asiwai fefu mbuku side'ide andre, ba fuli zui ōfareso fefu ganofulania.



Nirakō ba ndrōfi 1998 

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Keep source

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sindruhu, gedo, sagönö ulidanö, nifaha'ö, angowuloa, ni'akui">

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h2 { font-family: arial unicode ms; color: #000000; margin-top: 0px; margin

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a:hover {color: #0033ff; }
td.appeared p {font-size: 77%; color: #ffffff;}
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</map>
```

Extraction

- extract **relevant pieces** of text
- transfer to **unicode**
- build **transcription profile**
 - characters used
 - include multigraphs (gh, sch, ò, m´, , ...)
- this phase can probably be **automatised**

Extraction

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' , . : ? a A B b d e E f g H h i K
k L l m M N n o õ r S s t u w W y z Z

Synchronization

- **interlink** transcription profiles (probably through rough IPA matching)
- for this, a **language specialist** is needed
- **combine texts** into corpus

Versioning

- it should be made possible to **correct errors**
- a system of **versioning** is necessary
- the **organization** of this is still unclear

Uses

- typological **surveys**
- language **classification**
- **T9 dictionaries** for minorities

Thank you