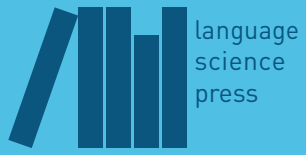
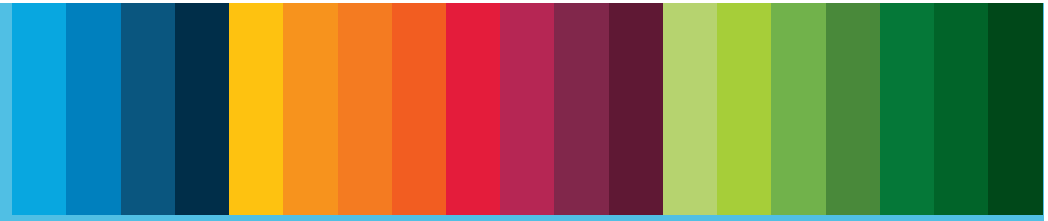




Open Text Collections

Sebastian Nordhoff

Corpus Glosés: de la construction à l'exploitation automatique

2023-06-28

Introduction

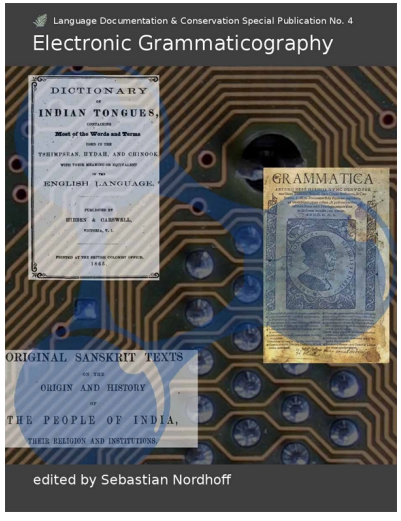
LANGUAGE DOCUMENTATION & CONSERVATION

Vol. 2, No. 2 (December 2008), pp. 296-324
http://nflrc.hawaii.edu/ldc/

Electronic Reference Grammars for Typology: Challenges and Solutions

Sebastian Nordhoff
University of Amsterdam

Electronic publication offers new possibilities for the creation and exploration of grammatical descriptions. This paper lists values influencing the structure of electronic grammatical descriptions. It then investigates challenges and solutions for a grammar authoring software trying to adhere to these values in the domains of data quality, creation of the description, and exploration of the description. The paper closes by discussing possibilities for the standardization of grammatical descriptions on a macroscopic level, complementing the standardization efforts on a more fine-grained level like GOLD or



- work on grammaticography since 2007
- Language Science Press since 2014
- starting 2023: open text collections

Boasian Trilogy: publication options

1. **Dictionaries**: many outlets
2. **Grammatical descriptions**: many outlets
3. **Text collections**: no significant outlets

Existing platforms

- TILA
- pangloss
- doreco
- eopas

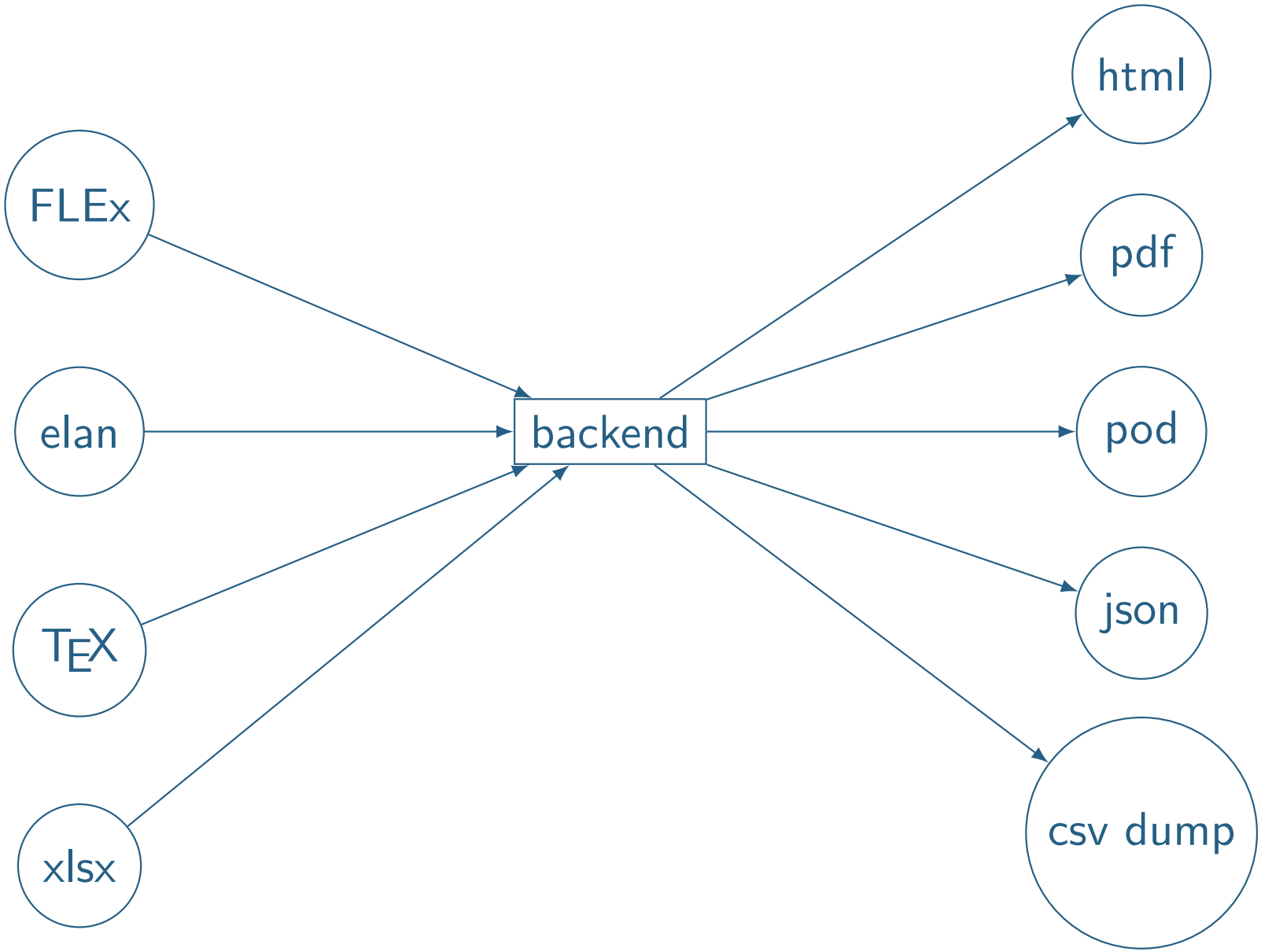
Open Text Collections

- open
- prestigious
- interoperable
- start 2023-09-15

Guiding principles

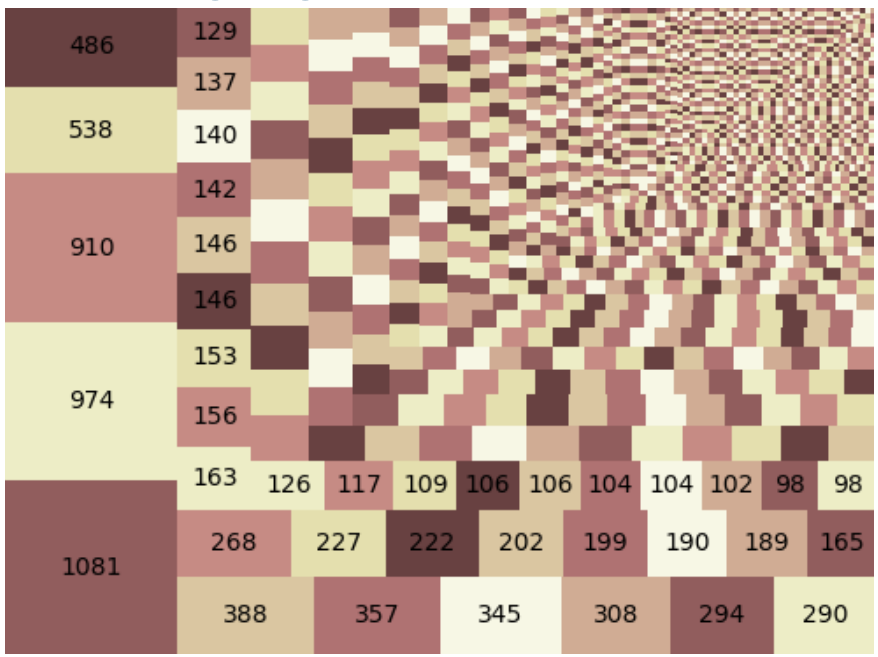
- texts
- edited
- curated
- data first
- community
- openness
- prestige

Import



Consistency on input files

- For a project at ZAS Berlin, I analyzed 20,000 ELAN files culled from various endangered language archives
- Take home message: everybody does what they want with ELAN
- tier cd -names and structures vary wildly
- it is possible to build an API to access glossed material in language archives, but it is painful.



Backend

- CSV for the web (CSVW)
- text-based
- simple
- expandable
- easy to version

Frametitle3

	A	B	C	D
1	Tire la bobinette, la chevillette cher-ra	pull.IMP DEF.F.SG bobbin DEF.F.SG latch fall-FUT.3SG	Pull the bobbin and the latch will fall.	stan1290
2				

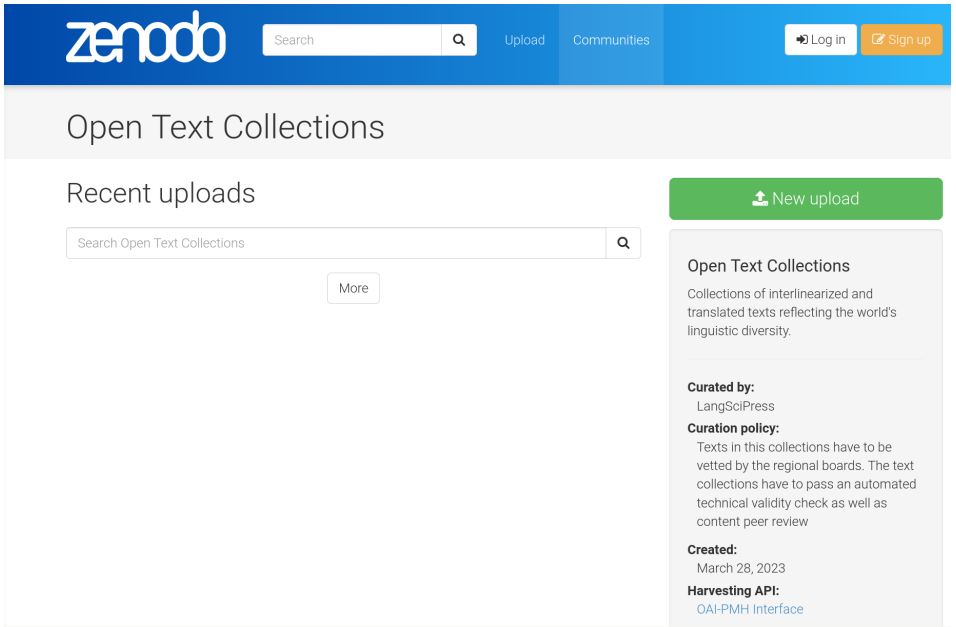
- three obligatory columns
  - vernacular
  - glosses
  - translation
- can be expanded by further columns as necessary
- Leipzig Glossing Rules
- correspondences and constraints between cells in the same row

Output formats

- dump (csv, json-ld, nq, rdf)
- pdf
  - printed pdf = book
- html
- query interface
  - see https://imtvault.org/?q=coconut

Workflow

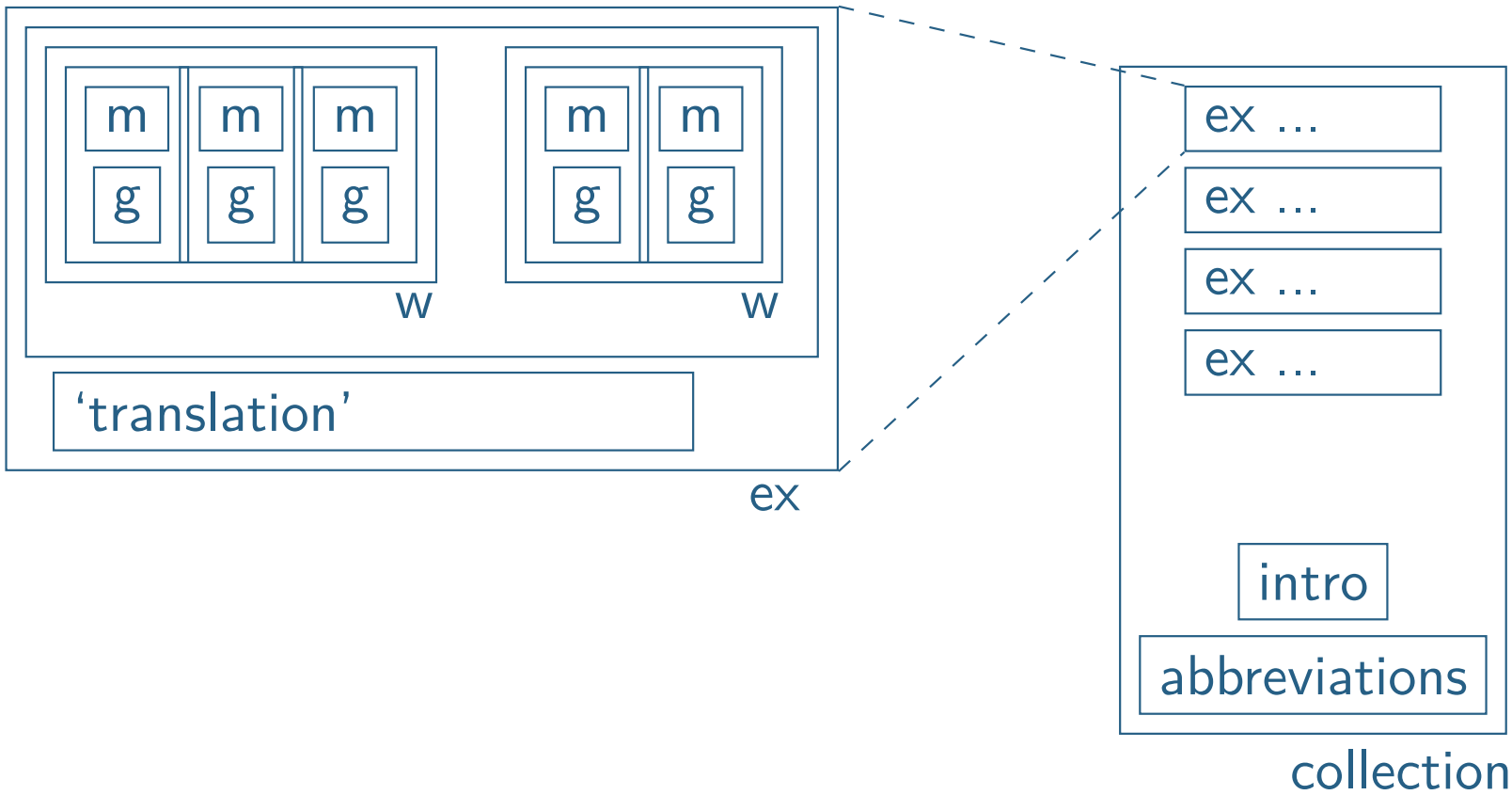
- preparation on GitHub
- DOI via the GitHub-Zenodo bridge
- review via GitHub issues
- collections approved by the regional boards get a new release (1.0), archived on Zenodo, and are accepted in the relevant Zenodo communities.



Quality assurance

- technical review
  - number of words match between vernacular and glosses
  - number and type of morphemes match between vernacular and glosses
  - abbreviations are either Leipzig Glossing Rules or listed in separate document
- content review
  - regional boards with area specialists
  - precise setup to be debated

Data model


m
m
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g
g
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m
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g
g
w
‘translation’
ex
ex ...
ex ...
ex ...
ex ...
intro
abbreviations
collection

FAIR

- **findable**: registered, linked, metadata
- **accessible**: no paywalls
- **interoperable**: many different formats
- **reusable**: open license

Funding

- 3 year grant from DFG, 2023-2026, 1.5 FTE
- after that consortial funding via Language Science Press

People

- Mandana
- Christian
- Sebastian
- student assistants

Regional boards

- **Oceania** Christian Döhler, Kilu von Prince (Düsseldorf)
- **Africa** Alena Witzlack-Makarevich (Jerusalem), Jeff Good (Buffalo)
- **Eurasia** Michael Rießler (Joensuu)
- **South America** Matt Coler (Groningen), Nick Emle (Groningen)
- **Caucasus** Diana Forker (Jena)

Planned text collections

- Komnzo
- Bine
- Daakaka
- Dalkalaen
- Muylaque Aymara
- Iquito
- two Amazonian languages
- Kawesqar
- Hinuq
- Sanzhi
- Chirag Dargwa
- Tabasaran
- Gawarbati
- Palula
- Saek