



Open Text Collections

Sebastian Nordhoff

Corpus Glosés: de la construction à

l'exploitation automatique

2023-06-28

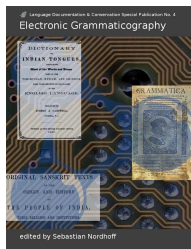


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<http://lufic.hawaii.edu/lde/>

Electronic Reference Grammars for Typology: Challenges and Solutions

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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

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

› **TILA:**

https://www.americanlinguistics.org/?page_id=1830
(closed access)

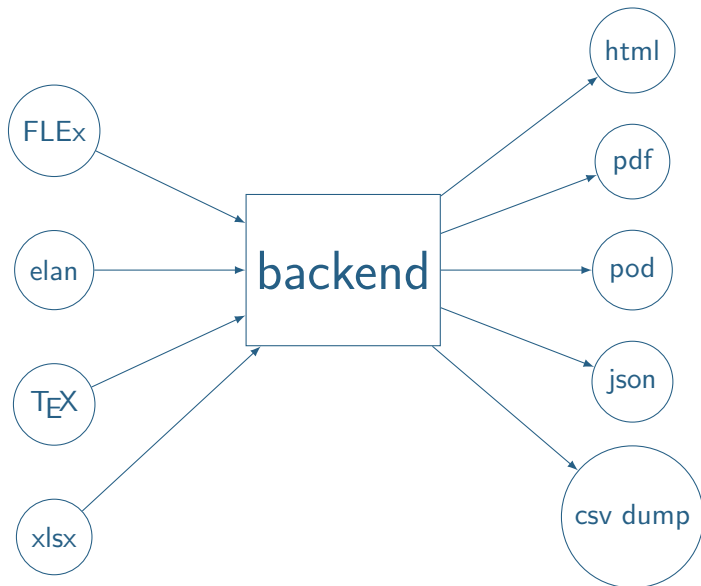
› **pangloss:** <https://pangloss.cnrs.fr/> (eclectic, manual workflow)

› **doreco:** <https://doreco.huma-num.fr> (transcribed audio, finished project?)

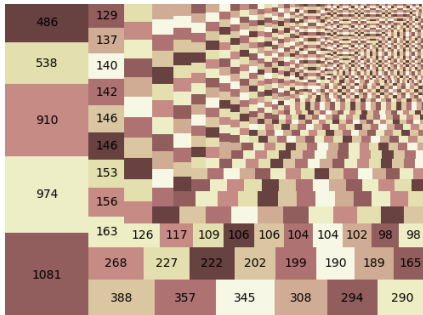
› Platform to start in 2023

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

- › **texts**, not audio
- › **edited**, not naturalistic
- › **curated**, not eclectic
- › **peer reviewed**, not legacy or opportunistic
- › **availability first**: no paywalls, registration, waiting times, click rallyes
- › **community**
- › **openness**
- › **prestige**: seasoned editors



- › 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 names and structures vary wildly
- › it is possible to build an API to access glossed material in language archives, but it is painful.



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

	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

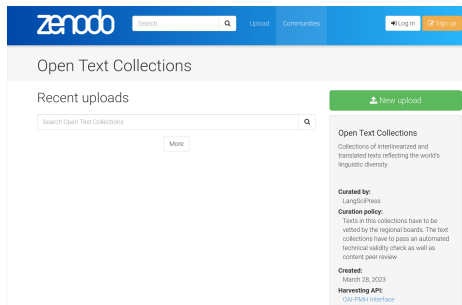
› can be expanded by further columns as necessary

› Leipzig Glossing Rules

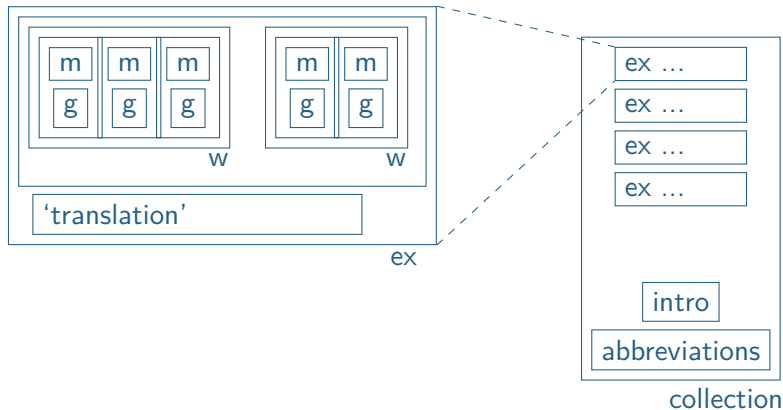
› correspondences and constraints between cells in the same row

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

- › every text collection is prepared 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.



- › technical review (automated, probably via GitHub actions)
 - › 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
 - › can use GitHub Issues



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

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

- › **Mandana Seyfeddinipur**, Director ELDP/ELAR at BBAW
- › **Christian Döhler**, Papuanist, holder of the *Gabelentz Award* for the best published grammar (A grammar of Komnzo)
- › Sebastian Nordhoff, managing director for Language Science Press, extensive experience in Open Access publishing and Linked Data
- › student assistants

- › **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)
- › further board probably via cooption

Planned text collections

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

Thank you for your attention.

<http://opentextcollections.org>

Mastodon <https://fedihum.org/@otc>

<https://twitter.com/OpenTextColl>

