

# New developments in Elexifinder, a discovery portal for lexicographic literature

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# Overview

- Introduction
- Elexifinder version 2
  - Interface and search functions
  - Concepts and Categories
  - New item collections
- LexBib bibliographical data
  - LexBib Zotero group
  - Sources and workflows
  - Author disambiguation
- LexVoc vocabulary of lexicographic terms
  - Sources, structure, and applications
  - LexVoc terms translation
- Outlook



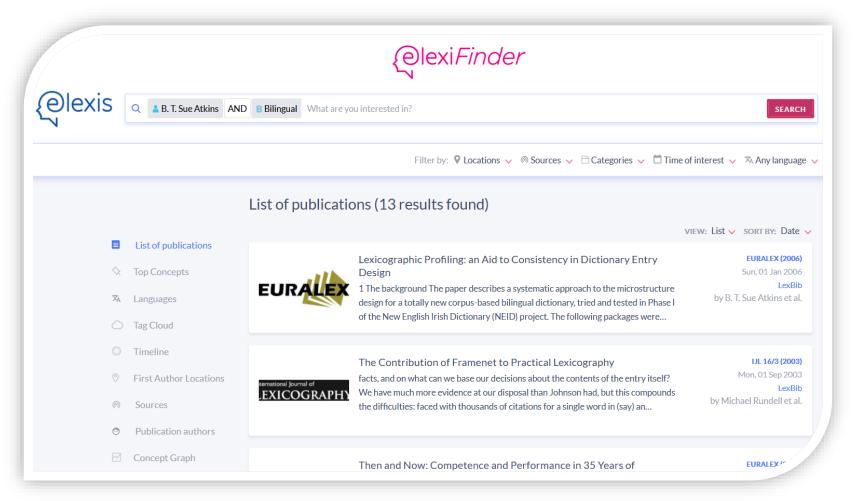


# Introduction

- Elexifinder version 1, introduced in Kosem & Krek (2019)
- LexBib, introduced by Lindemann, Kliche & Heid (2018)
- Overlapping interests: Bibliodata meeting at eLex Sintra
- 2019 to 2020:
  - Existing datasets merged
  - More data included
  - Creation of RDF database as central data repository
  - Author disambiguation
- LexVoc vocabulary
  - Subject indexation of articles
  - Subject categories for Elexifinder



# Elexifinder Interface: Live Demo





## Elexifinder version 2: contents

#### Collections

- Conference proceedings
  - 2,018 items: eLex, Euralex, Globalex
- Journals
  - 4,145 items: 9 journals, complete
- Collective vols. and handbooks
  - 319 items: 12 volumes, complete
- Videos
  - 86 items

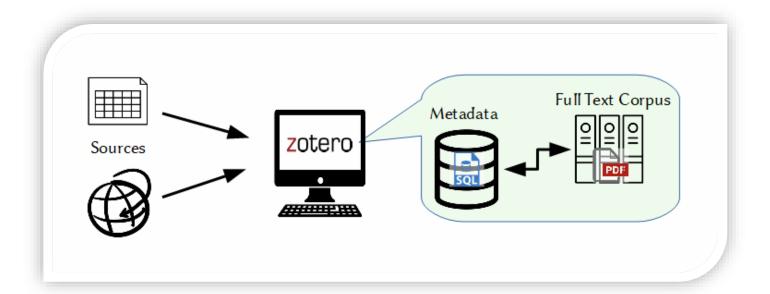
## Top 10 publication languages

- English: 4,853
- German: 910
- Danish: 436
- Spanish: 395
- Swedish: 369
- French: 227
- Bokmål: 179
- Afrikaans: 135
- Slovene: 81
- Italian: 44
- (others: 83 items in 10 languages)



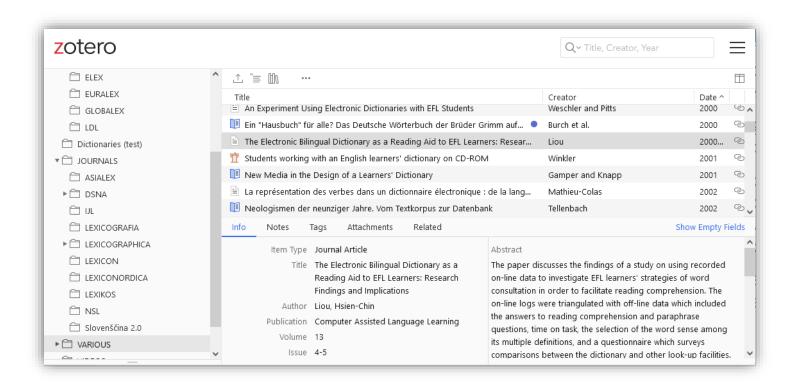
# LexBib bibliographical data

- Zotero
  - Recording of publication metadata, and full texts
    - In tabular format, from existing bibliographies (EURALEX, OBELEX-meta)
    - Using Zotero web scraping tool: From web-repositories
    - Manual validation of metadata records (team uses "Zotero groups")
    - Always with full text





# LexBib Zotero Group



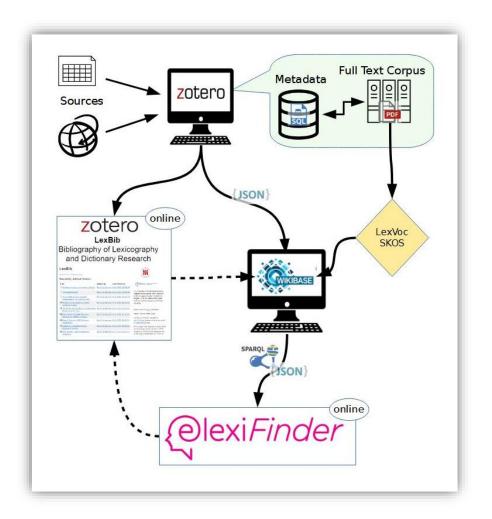
# LexBib Zotero group: <a href="http://lexbib.org/zotero">http://lexbib.org/zotero</a>

- Browse by collection, search for publication metadata
- Metadata download in structured formats (bibtex, etc.)
- Useful for import to own citation manager



# LexBib bibliographical data

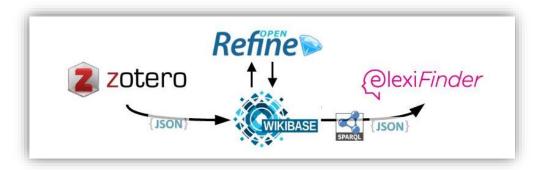
- Export from Zotero to LexBib Wikibase
- Mapping literals to ontology items:
  - Creators (authors, editors)
  - Containers (journal issues, etc.)
  - Events (conferences, workshops)
  - Languages (publication language)
- Export from Wikibase to Elexifinder discovery portal
  - Disambiguated entities
  - Full text body (GROBID, manual cleaning)
- Full Texts: upload to SketchEngine
  - Custom subcorpora (by event, time, etc.)

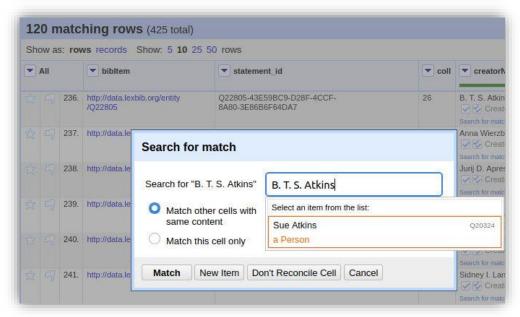




# LexBib bibliographical data

- Author disambiguation using Open Refine
  - Initial dataset (Klaes 2021)
    - 18,000 creator statements in Zotero
    - 5,000 different names
    - 4,000 different persons
  - Updates since Aug. 2021
    - Reconciliation of Zotero name literals against LexBib Wikibase







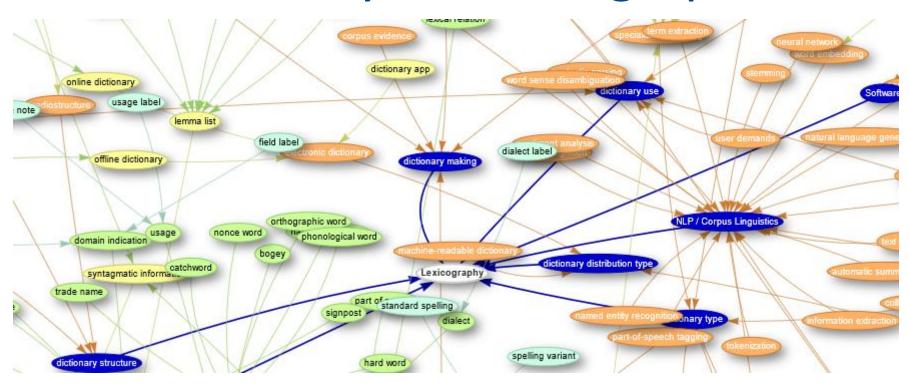
# LexVoc Vocabulary of Lexicographic Terms

### Sources

- Updated and extended version of "Bibliografía Temática de la Lexicografía" subject index (Córdoba Rodríguez 2003), translated to English
- The typology of dictionaries by Engelberg and Storrer (2016)
- The glossary of lexicographic terms by Kipfer (2013)
- Index of the volume "Using Online Dictionaries" (Müller-Spitzer 2014)
- "Linguistic Property" branch of the GOLD ontology (linguistics-ontology.org)
- Term extraction: Elexifinder version 2 English corpus (SketchEngine)
- Today, around 500 validated terms in SKOS tree
  - Validation: Attestation of term lexicalizations in LexBib English corpus



# LexVoc Vocabulary of Lexicographic Terms

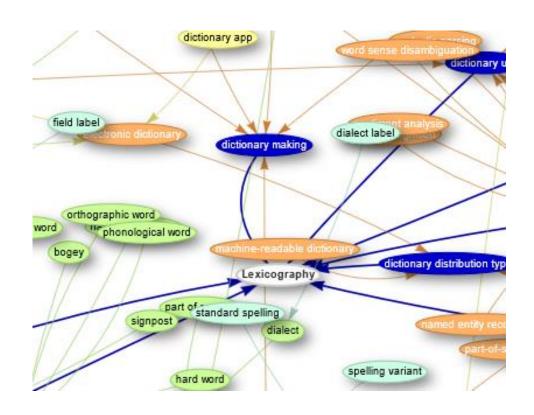


- SKOS vocabulary: Tree structure with "Lexicography" as root
- Description: <a href="https://lexbib.elex.is/wiki/LexVoc">https://lexbib.elex.is/wiki/LexVoc</a>



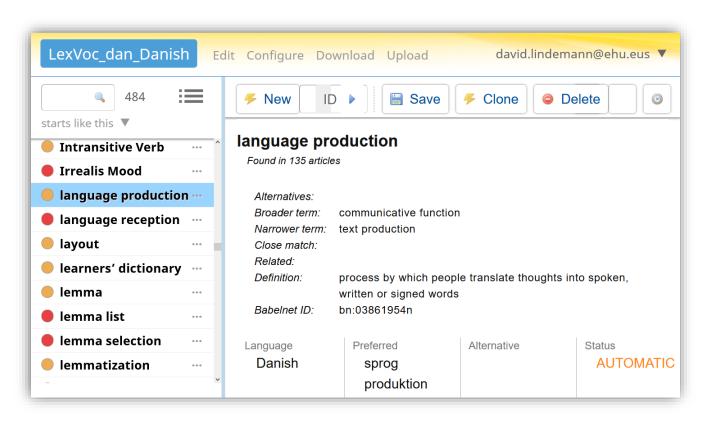
## LexVoc: Structure

- Root "Lexicography"
- Main branches
  - Dictionary Structure
  - Dictionary Type
  - Dictionary Making
  - Dictionary Use
  - Dictionary Function
  - Dictionary Distribution Type
  - Linguistic Property
  - NLP / Corpus Linguistics
- Discussion, see:
   https://meet.elex.is/groups/lexicographic-concepts-vocabulary/





# LexVoc: Translation

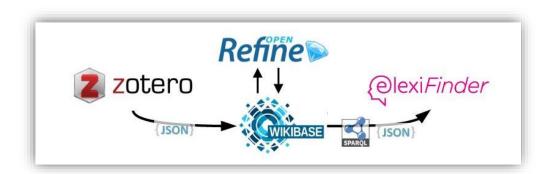


- 39 languages (Elexis languages)
- Call for collaboration
- Drafted translations from BabelNet, Wikidata
- Translation editing process:
   Lexonomy app at Elexis
- 38 bilingual dictionaries, see
   <a href="https://lexbib.elex.is/wiki/LexVoc Lexonomy">https://lexbib.elex.is/wiki/LexVoc Lexonomy</a>
- Discussion, see
   <a href="https://meet.elex.is/groups/lexvoc-translation/">https://meet.elex.is/groups/lexvoc-translation/</a>



# Summary, Outlook

- Elexifinder / LexBib
   as a service to the community
  - Elexifinder: <a href="https://finder.elex.is">https://finder.elex.is</a>
  - LexBib: <a href="https://lexbib.elex.is">https://lexbib.elex.is</a>



- Open calls for collaboration
  - Proposals for more publications to include <a href="https://meet.elex.is/discussions/topic/elexifinder-new-research-publications-suggestions/">https://meet.elex.is/discussions/topic/elexifinder-new-research-publications-suggestions/</a>
  - Discussion of LexVoc structure <a href="https://meet.elex.is/groups/lexicographic-concepts-vocabulary/">https://meet.elex.is/groups/lexicographic-concepts-vocabulary/</a>
  - LexVoc translation
     https://meet.elex.is/groups/lexvoc-translation/