

Elexis Observer Event, Vienna, Feb. 18-19, 2019



The LexBib Project

A Corpus and Bibliography of Metalexicography

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LexBib Project

- Goals
 - Features, Methods, Workflow
 - Partners
 - Working plan, Outlook
-
- Detailed intro: Lindemann, Kliche & Heid 2018 (Euralex Ljubljana)



State of the Art and Goals

Situation now

- **Bibliographies: Unlinked islands**
 - Publishers / topics
- **Noisy metadata sets**
 - Automatically harvested
- **Language barrier**
 - Mutual invisibility
- **Unconsistent indexation**
 - Keywords / subject headings

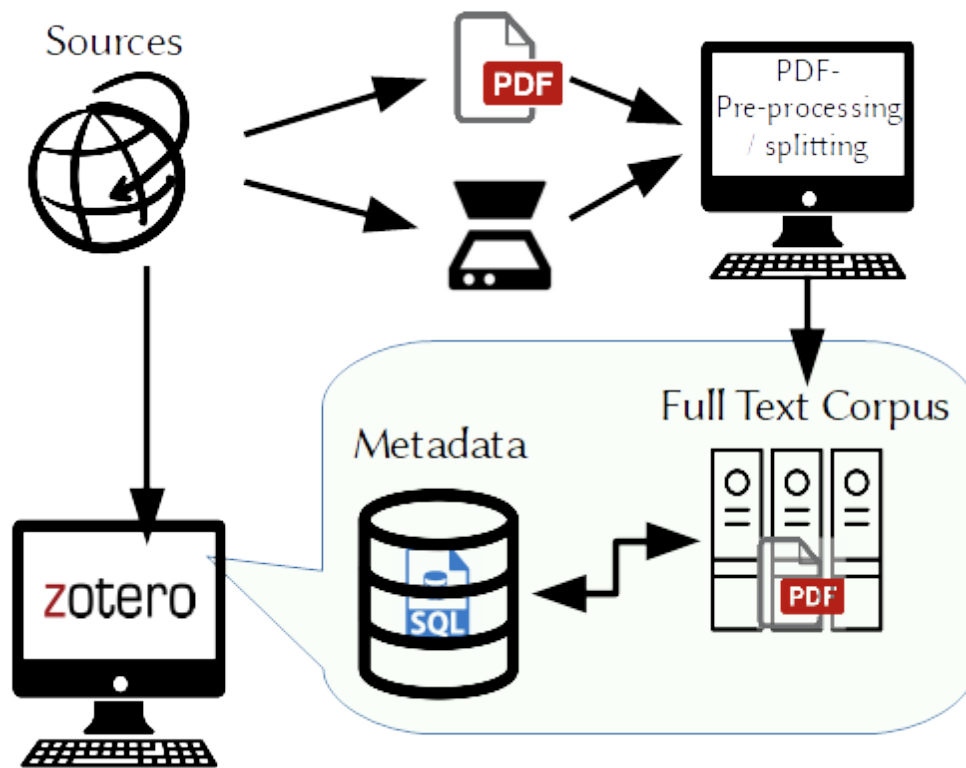
LexBib Goals

- **Unified territory**
 - But: only relevant content
- **Complete and correct metadata**
 - manually validated
- **Multilingual access structure**
 - Multilingual Domain Ontology
 - Additional content-describing metadata

LexBib online reference platform

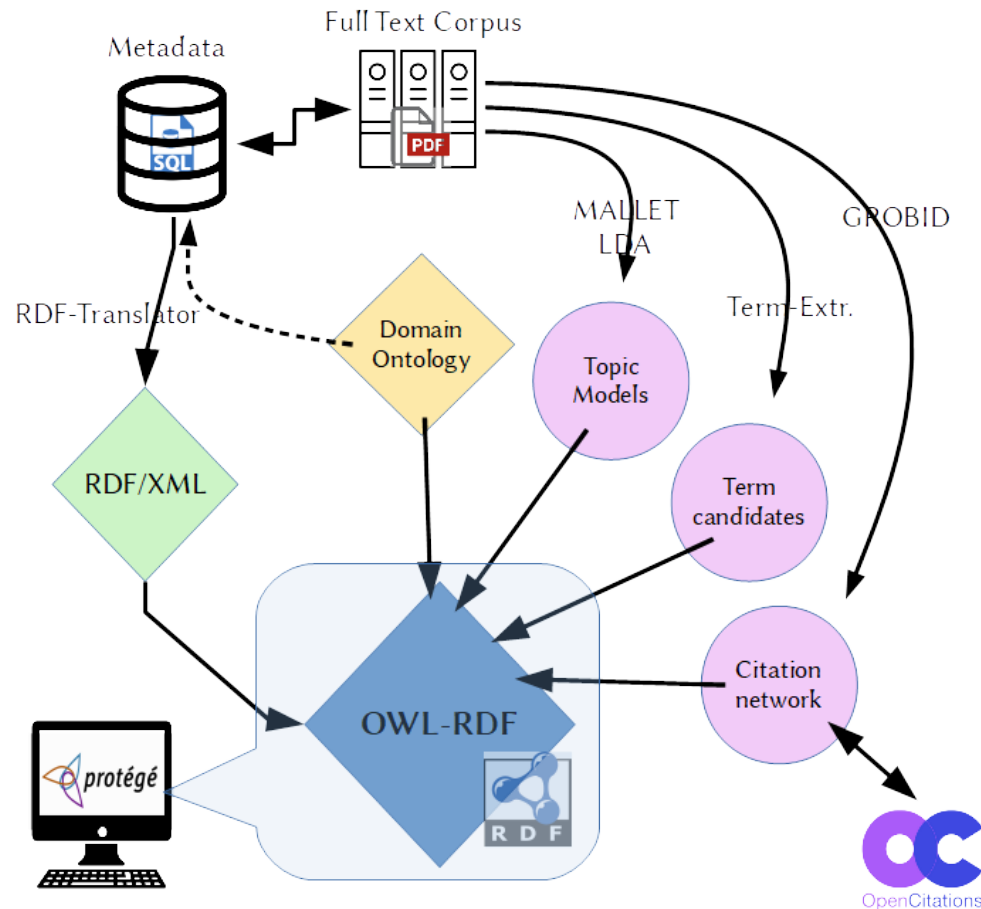
- Advanced search & browsing functions
- Access through domain ontology nodes
- Access through citation network
 - Visualisation of network and clusters
- Author profiles
 - Author name disambiguation, additional info
- Link to full text
 - ...on publishers' etc. platforms

Working Pack 1



- Collection and validation of Metadata
 - If necessary
 - completion/correction
- Collection of full texts
 - If necessary
 - Scan
 - OCR
 - Split (collective volumes)

Working Pack 2



• Extraction from full texts

• Term / keyword candidates

- Weirdness / reference corpora
- Tools: Rösiger, Heid et al. (IMS Stuttgart)

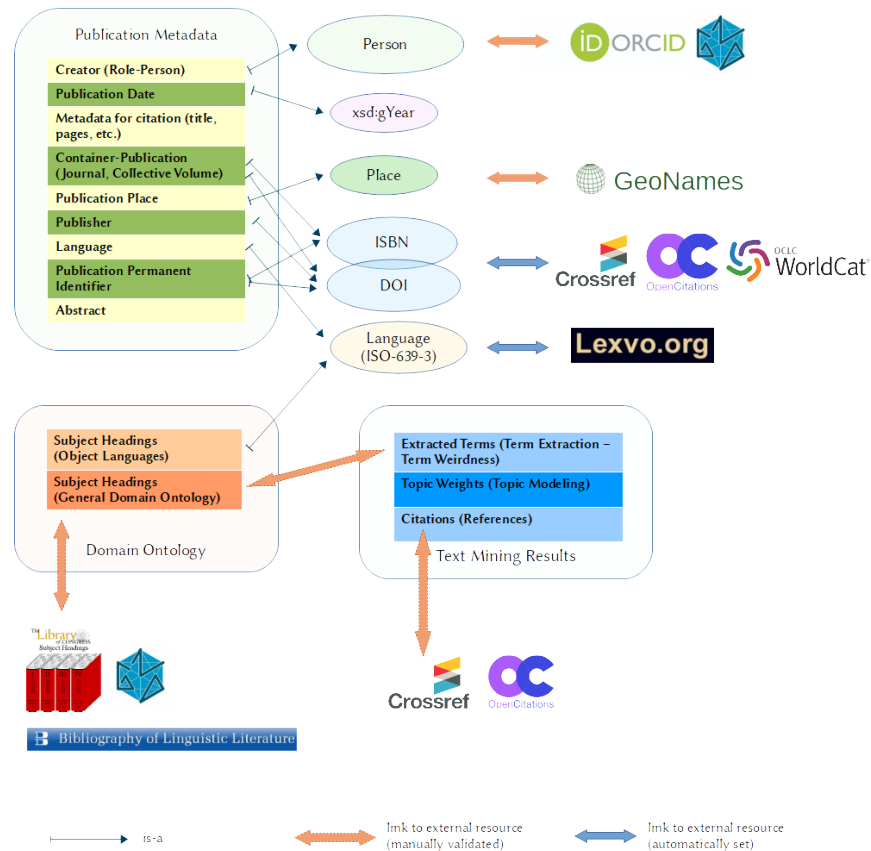
• Topic Models

- Topic Weights (for recommender)
- Tools: McCallum: MALLET

• Citation relations

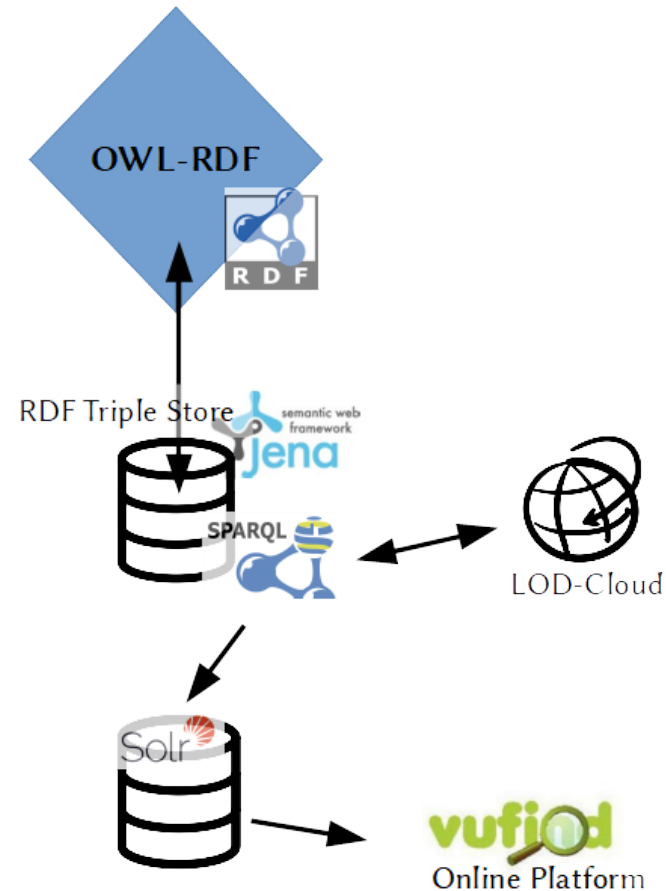
- Citation network, clusters
- Tools: Romary, Lopez et al. (GROBID)

Working Pack 3



- **Domain Ontology**
 - Controlled Vocabulary of subject headings
 - Root node “Lexicography”, linked to LCSH, DNB, Wikidata...
 - Multilingual labels
 - EN, DE, ES, ...
 - Sources: Existing classifications
- **Linked Open LexBib**
 - Use of existing element sets
 - Links to existing resources

Working Pack 4



- Open Zotero Group
 - zotero.org/groups/LexBib
- Linked Open LexBib
 - SPARQL Endpoint
- LexBib Online Platform
 - Implementation with *vufind*

Working Pack 5

- Dissemination, Community

- Euralex, eLex conferences
 - Feedback
 - Call for contributions
 - Curation of author pages

- Process Metadata

- Predictions for similar projects on a larger scale:
“How much manual work is necessary for a comparatively noise-free and complete resource?”

Partners

DFG-Proposal (in prep.): Partners

- Uni Hildesheim: Lead, WP 1-5
- BBAW: WP 2, 5
- IDS: WP 1, 4, 5

Financial and other support

- Uni Hildesheim: Preliminaries
- Elexis: Preliminary work WP 1, 3
- Euralex
- EMLex
- Lexicografía UDC
- LOC-DB / VZG
- De Gruyter

Working Plan

- 2019 [Uni Hildesheim, Elexis]
 - Metadata: Euralex-Dykstra, Obelex-Meta, Wiegand, Córdoba, Ahumada
 - Full Texts: English 2000-2018
 - Domain Ontology: First proposal
- 2020-22 [DFG?]
 - Metadata: All European languages, 1971-2018
 - Full texts: German, Spanish 2000-2018 (and more?)
 - WP2-5
- In a near future
 - Other languages, older full texts



Thank you!
Questions?

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<http://zotero.org/groups/LexBib>

