

ELEXIS: Training and Education

Toma Tasovac <u>Belgrade Center for Digital Humanities</u>



Why does ELEXIS need training and education?

- ELEXIS: knowledge network and service provider
- Diverse user base
- Training and education is a core requirement for the social sustainability of research infrastructures



WP5 Objectives

- evaluate the skills researchers need in order to benefit from and contribute to the lexicographic infrastructure.
- develop online training materials covering the full spectrum of producing, exploiting and disseminating lexicographic data.
- develop and enhance online tutorials for a variety of ELEXIS tools and services.
- organize and conduct ELEXIS training measures



Deliverables

- **D5.1 ELEXIS Skillset Report (M12)** Primary data for this report was gathered via qualitative interviews with lexicographers, service providers, ELEXIS working groups, DARIAH and CLARIN.
- **D5.2 Guidelines for Producing ELEXIS Tutorials and Instruction Manuals** (M24) A set of practical recommendations for developing tutorials and instruction manuals for ELEXIS tools and services that lower the barrier for participation in the infrastructure.
- D5.3 Overview of Online Tutorials and Instruction Manuals (M42) A clear, structured overview of tutorials and instruction manuals developed within the project will be made available on the ELEXIS website.



Deliverables (translated into non-EU speak)

- D5.1 was about what we need to teach
- D5.2 was be about how and where
- Y3 and Y4 were about producing ELEXIS Learning Resources (and we're still there)



- Almost all of our informants received no formal lexicographic training
- Almost all of our informants described themselves as lexicographic selflearners who honed their skills by:
 - consulting various dictionaries;
 - reading the scholarly literature;
 - attending workshops and seminars outside the regular university curricula; and/or
 - learning from their colleagues or on the job.



- Lack of university curricula in lexicography or systemic, integrated training outside the university
 - The knowledge gained in unconnected workshops is partial and segmented (Hudeček)
- If lexicography is taught as a university subject, it is in some countries too theoretical and removed from contemporary trends and best practices
- If students have a background in linguistics, they don't necessarily have the necessary technical skills, and vice versa



- Technology is not the ultimate challenge: the reluctance to adopt new methods is also a social and cultural challenge
- Not all lexicographers believe in a culture of open access, open source and sharing lexicographic data.



- We should support critical use of tools
 - The tools of today are not necessarily the tools of tomorrow. We should prepare students not only how to learn tools but also to be able to switch to different tools. (Costa)
- Training materials should be on a wide range of topics and openly accessible to everybody
 - ELEXIS should contribute towards setting a general training standard as well as a reference point for lexicographic practice in general. (Grønvik)
 - *ELEXIS could play an important role in integrated curriculum development.* (Hudeček)

Task 5.2 Guidelines – Toward an ELEXIS Curriculum

- Based on the Skillset Report, Survey on User Needs and internal consultations, we decided to work toward an **ELEXIS Curriculum**
 - to embed the description of our services into a broader training narrative (countering the lack of university curricula or systemic, integrated training opportunities outside the university)
 - to provide a healthy balance between theory and practicecover the basics ("Do not assume that anybody knows anything. Think how low you can go.")
 - to create a "specific website" or a "platform"

Task 5.2 ELEXIS Curriculum (intro, intermediate and advanced)

- Introduction to Dictionaries
- Introduction to Dictionary Users
- Introduction to Corpus-Based Lexicographic Practice
- Capturing, Modeling and Transforming Lexical Data: An Introduction
- LEX2 Mastering ELEXIS Corpus Tools for Lexicographic Purposes
- Lexonomy: Mastering the ELEXIS Dictionary Writing System
- Automating the Process of Dictionary Creation
- CLARIN Tools and Resources for Lexicograhic Work
- Lexicography in the Age of Open Data
- Standards for Representing Lexical Data: An Overview

- Modeling Dictionaries in TEI Lex-0
- Modeling Dictionaries in OntoLex-Lemon
- LEX3: Transforming Legacy Dictionaries using Elexifier

elex

- LEX3: Publishing Legacy Dictionaries with Publex
- Mastering LEX1: The Dictionary Matrix
- Mastering oXygen XML Editor for Dictionary Nerds
- Extracting Lexical Data: XPath for Dictioanry Nerds
- Transforming Lexical Data: XSLT for Dictionary Nerds
- Trends in Computational Lexicography: A Pathfinder for Developers

Task 5.2 ELEXIS Curriculum (Contextualization, ELEXIS Tools and Other Tools)

- Introduction to Dictionaries
- Introduction to Dictionary Users
- Introduction to Corpus-Based Lexicographic Practice
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DARIAH-Campus

- central hub for DH training and education
- both a discovery layer (for remote resources) and a hosting platform
- Harvested by the SSHOC (Social Sciences and Humanities Open Cloud) Marketplace
- Onboarded on EOSC (European Open Science Cloud)
- Stability, versioning, sustainability

CARIAH-CAMPUS

AUTHORS



TOPICS LEXICOGRAPHY

CURRICULUM OVERVIEW

Introduction to Dictionaries

Introduction to Dictionary Users

Introduction to Corpus-Based Lexicographic Practice

Capturing, Modeling and Transforming Lexical Data: An Introduction

LEX2: Mastering ELEXIS Corpus Tools for Lexicographic Purposes

Lexonomy: Mastering the ELEXIS Dictionary Writing System

Automating the Process of Dictionary Creation

CLARIN Tools and Resources for Lexicographic Work

Standards for Representing Lexicographic Data: An Overview

Modeling Dictionaries in TEI Lex-0

Modeling Dictionaries in OntoLex-Lemon

The ELEXIS Curriculum

The ELEXIS Curriculum is an integrated set of training materials which contextualizes ELEXIS tools and services inside a broader, systematic pedagogic narrative. This means that the goal of the ELEXIS Curriculum is not simply to inform users about the functionalities of particular tools and services developed within the project, but to show how such tools and services are a) embedded in both lexicographic theory and practice; and b) representative of and contributing to the development of digital skills among lexicographers.

Resources

Introduction to Dictionaries

The goal of this course is to introduce a brief history of dictionaries as tools for the organization of knowledge about words and their meanings, and to analyze different ways of understanding and classifying the dictionary genre.

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Read more \rightarrow



Not all roads lead to Rome (or Florence, for that matter)

- Different paths through the curriculum
- Different learning scenarios



From zero to hero...

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ARIAH-CAMPUS	Home	Resources	Curricula	Topics	Sources	Course registry	Documentation	٩
AUTHORS	Carved in stone? The role of the medium					TABLE OF CONTENTS What is a dictionary? The dictionary as a text Carevel in stoor? The role of the medium		
Ana Salgado	Think of the way Thomas Blount defined coffee (coffa) in his Glossographic; cr, a dictionary interpreting the hard words of whatsoever language, now used in our refined English tongue, a very popular dictionary of its time, first published in 1656:							
TOPICS	Coffa or Capo, a kind of drink among the Turks and Perfians, which is black, thick 150, net. bill 155.				The dictionary as a tool The dictionary as a model of language The dictionary as a cultural artifact How dictionaries came to be Ancient world The Middle Ages Academic tradition Dictionaries and nation building			
CONTAINED IN THIS CURRICULUM The ELEXIS Curriculum	Perfians, which is black, thick and bitter, diffrained from Berries of that nature, and name, thought good and iton.							
OTTE AS Toma Tasovac, Ana Salgado and Rute Costa (2021). Introduction to Dictionaries. Version 1.0.0. DARIAH-	very wholefome: they fay it cxpcls melancholy > pure choler) "Cognentified (ccanninity) that hath one and the fune and the fune sector of 6: name. Was 17th century coffee more potent than the one we use lodary Dot it really ind people of dobitating dependent and misanthrape opticiant? Why does Bloort's definition feel and read differently than the near provided by the onder hackographic works such as The Chambers Decisionary or The New Oxford American Distory (NOAD)?				The corpus-lin	guistic turn lictionary dictionary?		
Campus. (Training module). https://elexis.humanistika.org/id/q0P4oqy5Kx Copy.etation					Microstructure Mediostructure Semantic strus			
REUSE CONDITIONS Resources hosted on DARIAH Campus are subjects to the DARIAH Campus Training Materials Reuse Charter					oonmasiology Bicknewy Ppodsjele Source and terget fanguages Types of language(s) and topic(s) covered Normatolity Target audience Medium			
	coffee /ko/*i/ n a powder made by roasting and grinding the seeds of a tree (Coffea arabica, robusta, etc) of the family Rubiaceae; a drink made from the powder; the brown colour of this drink when mixed with milk. [Turk kalvek, from Ar galwah orig meaning wine]							

Intro to dictionaries

CARIAH-CAMPUS

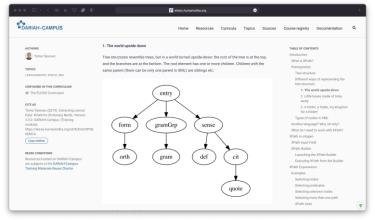
AUTHORS

TOPICS

🌀 John McCrae

😨 Fahad Khan

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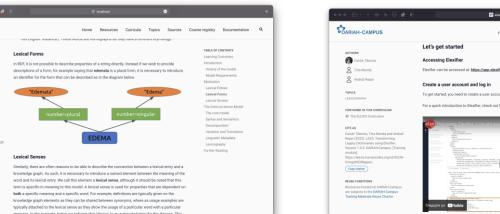


Intro to modeling

DARIAH-CAMPUS	Home Resources Curricula Topics Sources	Course registry Documentation		
Authors Rute Costa	Standards for Representing Lexicographic Data: An Overview	TABLE OF CONTENTS Pert 1: Standards and Formats 1: Test Endocring Institute 1: 110 1:		
Christophe Roche	This course is intended for trainees. It focuses on the importance of standards to facilitate the cooperation among lexicographers in a multilingual and multicultural context by addressing a relevant.			
TOPICS LENCOGRAPHY	de facto standards such as Text Encoding Initiative (TEI), TEI Lex-Q, models such as OntoLex-Lemon, and International Organization for Standardization (ISO) standards such as Presentation/representation of entries in dictionaries – Requirements, recommendations and			
CONTAINED IN THIS CURRICOLUM	information or ISO 1951 (2007) and Lexical markup framework (LMF) or ISO 24613 (2019, 2020, 2021).			
CITE AS Rute Costa, Christophe Roche and Ana Salgado (2022). Standards for	The most widely used standards and models in the lexicographic community will be approached according to their aims:			
Representing Lexicographic Data: An Overview: Version 1.0.0. DARIAH Campus. [Training module]. https://dexis.humanitika.org/id/REhOykBU7p	 those dealing with linguistic content; those that are used for annotation purposes; 			
Copy citation	those that handle representation purposes; those addressing interoperability issues.			
REUSE CONDITIONS Resources hosted on DARIAH Campus are subjects to the DARIAH Campus	At the end of the course, students will be familiar with the principles and procedures involved in writing, editing, or compiling dictionaries, considering standards in different parts of their	1.11 sense 1.12 part of speech		
Training Materials Reuse Charter	Independent in unreference 1	1.13 canonical form		

Lexicographic Standards: An Overview

Home Resources Curricula Topics Sources	Course registry Documentation Q	DARIAH-CAMPUS	н	ome Resources Curricula Topics Source	s Course registry Documentation	Q
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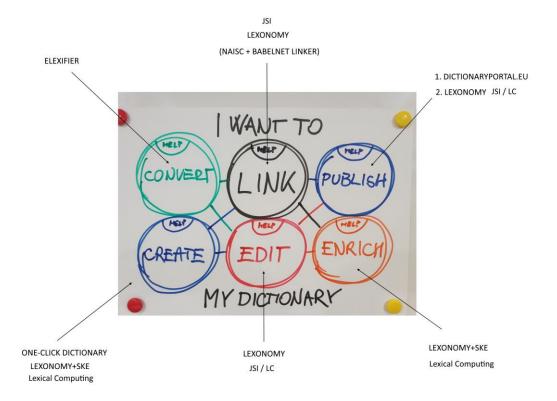


Ontolex-Lemon



ELEXIS Curriculum: Multiple Points of Entry

- DARIAH-Campus: integrated curriculum
- ELEXIS: tool-centered





What's next?





What's next?

- Publication of the curriculum on DARIAH-Campus
- Testing the curriculum
- Relax: nothing is perfect
- Updating the curriculum
- Expanding the curriculum
- Ideally, we'll think of the ELEXIS Curriculum as a *living curriculum*, one that can evolve over time, together with this community



Thanks!