

Insights into data acquisition and data preparation for an online resource on COVID-19 terminology

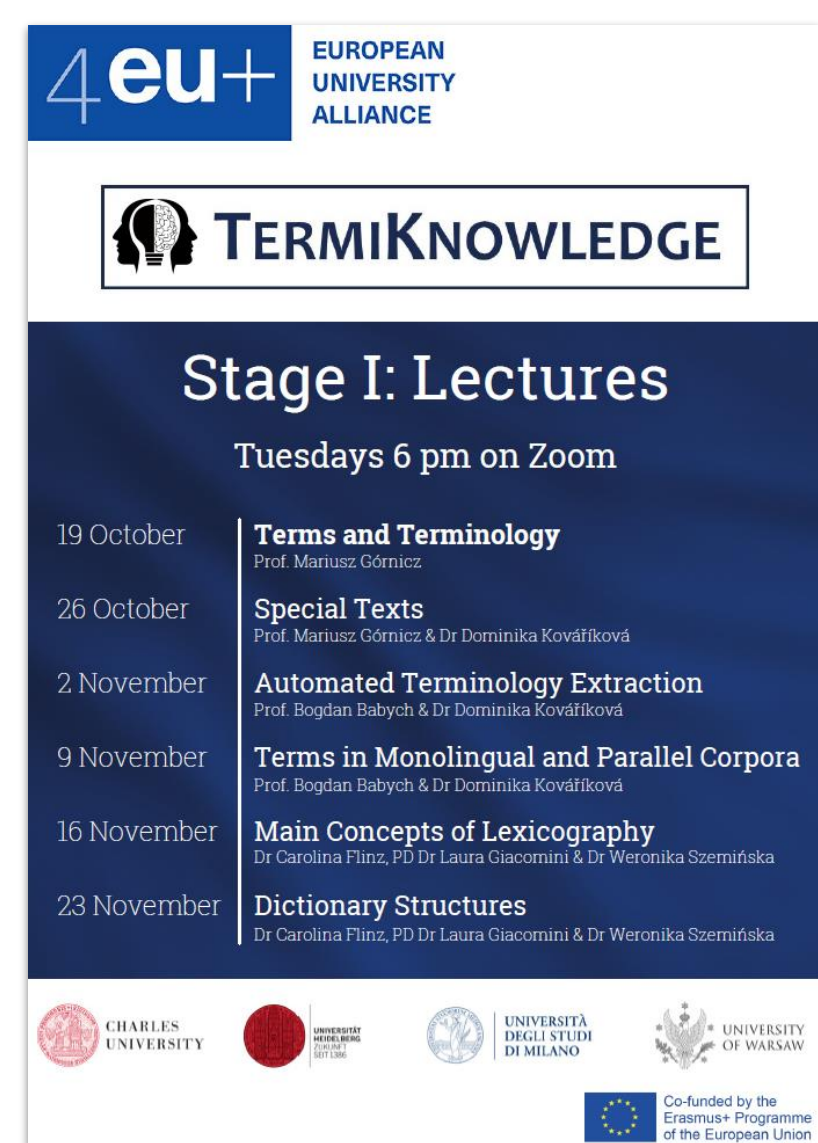
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OBJECTIVES

- TerminiKnowledge is an **international course in creating terminological resources** which took place between October 2021 and June 2022.
- Participants were **BA and MA students in translation, (corpus) linguistics, language and literature**
- The **goal** of TerminiKnowledge was to teach students how to create a corpus, extract terms manually and using software, identify their equivalents in other languages, design a multilingual knowledge base and create terminological entries.
- The **4EU+ shared competencies** acquired during the course were:
 - data literacy – corpus work teaches students how to cope with specific terminological problems, use corpus tools and verify data;
 - multilingualism – the project offered an opportunity to compare concept systems and terminology across languages;
 - critical thinking – the students were involved in taking decisions during the entire lexicographic process (extent of the domain, headwords, access structure, entry structure etc.).
- The **multilingual knowledge base has been published on-line** for public use: <https://terminology.mimuw.edu.pl/>.

ORGANISATION

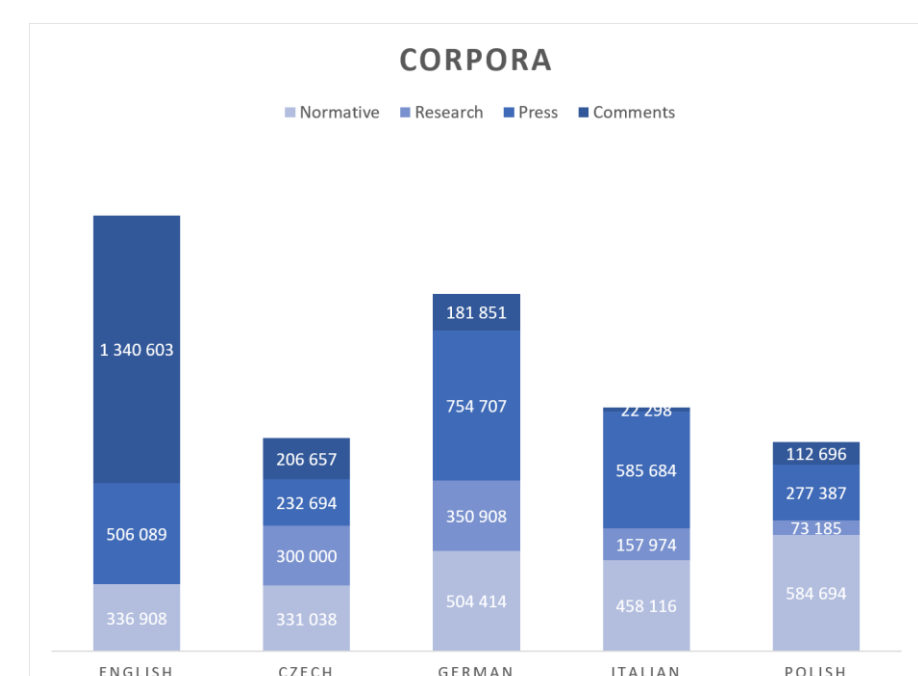
- TerminiKnowledge was run under the **4EU+ Alliance** by an international team of **experts in terminology, corpus linguistics, translation and knowledge representation** from **four European universities** (University of Warsaw – UW, Heidelberg University – HU, Charles University in Prague – CU, and Milan University – MU):
 - Mariusz Górniewicz (PI, UW), Weronika Szemińska (UW), Laura Giacomini (HU), Bogdan Babych (HU), Dominika Kovářiková (CU), Carolina Flinz (MU), Jerzy Tyszkiewicz (UW)
 - student assistants: Weronika Stefańska (UW), Pia Kruse (HU), Petr Louda (CU), Rita Luppi (MU)
- The project included **two courses**:
 - Semester I from mid-October 2021 to March 2022
 - Semester II from March 2022 to June 2022
- Each course consisted in
 - on-line lectures and research-based classes,
 - collaborative practical tasks on the creation of terminological resources as well as
 - short mobilities involving final works towards publication.
- Assessment was based on portfolios.



THE LEXICOGRAPHIC PROCESS (SEMESTER I)

a) CORPUS COMPILATION

- five languages: English, Czech, Italian, German, and Polish
- four corpora per language:
 - Normative** – legal regulations such as EU directives, national regulations, and medical guidelines
 - Research** – published research papers
 - Press** – general press articles
 - Comments** – texts in online comments sections under press articles



* The already existing *Covid-19* corpus available on SketchEngine served as the English Research corpus. With its 224,061,570 words, it was by far the largest corpus in the project – and had to be omitted in the chart.

b) TERMINOLOGY WORK

- Keyword extraction
- Keyword analysis and validation
- Contrastive analysis of keywords
- Headword selection (similar across corpora)
- Data preparation:
 - decision on the form of the headword
 - search for synonyms and variants
 - collocation extraction
 - search for definitions and encyclopaedic information
 - search for examples
 - preparation of notes

c) ABSTRACT MICROSTRUCTURE

TERM

Contents

Related terms

NORMATIVE:

- Synonyms and variants
- Definition
- Encyclopaedic information
- Examples
- Collocations
- Keyness
- Note

RESEARCH:

- Synonyms and variants
- Definition/description
- Examples
- Collocations
- Keyness

PRESS:

- Synonyms and variants
- Description
- Examples
- Collocations
- Keyness

COMMENTS:

- Synonyms and variants
- Description
- Examples
- Collocations
- Keyness

d) ENTRY COMPILATION

- The entries were compiled and stored in a dedicated application designed by a team of IT students from UW.
- The app was based on the familiar MediaWiki engine.
- All entries are subject to the CC-BY licence.
- The students worked on specific entry sections corresponding to the working group they belonged to / the type of corpus they worked on, i.e. Normative, Research, Press, or Comments.
- All students could propose related terms, which were then verified and added by the instructors or student assistants.

ACCESS STRUCTURE

English entries [edit | edit source]

- Anti-vaxxer
- Antibody
- Asymptomatic
- Big pharma
- Booster shot
- COVID-19
- COVID-19 pandemic
- Close contact
- Coronavirus vaccine
- Covidiot
- Digital COVID certificate
- Dose

Czech entries [edit | edit source]

- Aniženinní test
- Anti-vaxxer/cz
- Asymptomatický
- Blízký kontakt
- COVID-19
- Covidiot

- Face mask
- Hospitalization
- Infection rate
- Intensive care
- Lockdown
- mRNA vaccine
- Mechanical ventilation
- Negative
- Positive
- Proof of vaccination
- Quarantine
- RT-PCR test
- Rapid diagnostic test

- Restrictions
- SARS-CoV-2
- Severe course of COVID-19
- Social distancing
- Symptomatic
- Vaccinate
- Vaccination programme
- Vaccination rate
- Vaccine mandate
- Variant of SARS-CoV-2
- Ventilator
- Virus transmission
- Wave of pandemic

project within the framework of the 4EU+ Alliance.

The knowledge base covers almost 40 parallel terminological entries in five languages: English, German, Italian, and Polish. They were compiled on the basis of parallel corpora. You can choose an entry from one of the lists below or search for it using the search bar.

See more:

- About TerminiKnowledge
- Technical parameters of the corpora
- Student participants
- Instructors

ENTRY STRUCTURE

Term: Hospitalization

Contents

Related terms

Normative:

- Synonyms and variants
- Definition
- Encyclopaedic information
- Examples
- Collocations
- Keyness
- Note

Research:

- Synonyms and variants
- Definition/description
- Examples
- Collocations
- Keyness

1

2

3

4

CHALLENGES AND DISCOVERIES

What competences have you acquired during the TerminiKnowledge project?

How to create a corpus	How to analyse a corpus	How to organise an entry
Working with SketchEngine	Saving sources is crucial	How to extract terms
How to work under time pressure and not cry	Better at analysing different types of texts	Online teamwork
Multitasking	better IT skills	More language awareness
What to write my thesis about	To ask for help if needed	To discuss good ratio between solo work and group work
What the job of a terminologist is like	Recognizing the fact that frustration is natural	Knowledge: collocations, working with SketchEngineSkills, define term multilingualism
Time management	Pollence	What a knowledge database looks like
How to work with circa 30 tabs open	Language skills	How to properly copy and paste
More practical skills than I'm used to	Extraction of language data that are relevant when it comes to creating definitions and entries	How to wait and how to rush
Communication within a group	how to look up others' work	To ask when I don't know something and not be afraid
Nothing is Perfect and never will be	Presentation skills	The beauty of sharing ideas even if you are student
How to save data after they have apparently been deleted		

REFLECTIONS AFTER SEMESTER I

- student portfolios
- MentiMeter survey during mid-term meeting in Heidelberg



CHANGES IN SEMESTER II

- organisation
 - more workshops
 - no working groups
- primary data
 - one corpus per language
 - only normative and press texts
- access structure
 - separate entry lists for each language
 - list of all English entries with equivalent other language entries
 - links to all equivalent entries at the top of each article
- microstructure
 - no entry sections
- implementation
 - more refined term relations

All entries [edit | edit source]

Asylum [edit | edit source]

- Azyl (CZ)
- Azyl
- Asilo
- Azyl (PL)

Asylum procedure [edit | edit source]

- Azylowe řízení
- Asylverfahren
- Procedura di asilo
- Procedura azylowa

Asylum seeker [edit | edit source]

- Žadatel o azyl
- Asylsuchende, Asylsüchender
- Richiedente asilo
- Osoba ubiegająca się o azyl

Country of origin [edit | edit source]

- Země původu
- Herkunftsland
- Paese di origine
- Kraj pochodzenia

Country of transit [edit | edit source]

- Transitní země
- Transitland
- Paese di transito
- Kraj tranzytu