elexis european lexicographic infrastructure

D 7.9

FINAL COMMUNICATION REPORT

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Deliverable D7.9:
Final Communication Report

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Executive Summary

This final communication report provides an overview of the communication activities carried out in the fourth and final year of the ELEXIS project, i.e. the period from February 1st 2021 to July 31st 2022. However, since the present report is also to be submitted on July 31st 2022, the authors have agreed on July 20th as the deadline for the reporting of all figures and numbers within this period.

This report is based on the structure of Deliverable D7.8, the third year dissemination and communication report, available here. Due to the fact that objectives, impact, target groups, tailored message(s) and multi-level communication remain as described in D7.5 (here), the authors provide updates on the respective chapters only, i.e. Communication Channels (1), Events (2), Dissemination Material (3), Scientific Dissemination (4) as well as Evaluation, Monitoring and Reporting (5), and include relevant statistics.

Additionally, a full list of scientific publications can be found in the appendix of this report.

1. Communication Channels: LexMeet

Due to the COVID-19 outbreak and the changing communication needs we introduced an additional communication channel: LexMeet.

The platform was presented at the eLex2021 (July 2021) and EURALEX 2021 (September 2021) conferences for the first time. The rollout was organised in the course of Autumn 2021, which was accompanied in terms of dissemination and outreach as well: Content was created that is displayed on the ELEXIS EU website, a newsletter was sent (available here) and various social media postings (with the hashtag #MeetELEXIS on Facebook and Twitter) drew attention to the new forum available. LexMeet is a platform for exchanging ideas and expertise about lexicography and other related fields. Due to the lack of valuable networking opportunities in the past year(s), ELEXIS EU connected representatives from different institutions, countries, fields and areas of interest online with the deployment of the LexMeet platform. The forum does not only collect discussions in the field of lexicography, but also allows members to connect with people who are working on similar topics and are sharing similar interests. With the setup of this platform, members of the ELEXIS EU project as well as other stakeholders can be connected and encouraged to keep in touch, brainstorm, debate and share research, provide feedback, etc. (see Figure 1 below).

At the time of writing this deliverable, there are 166 users registered on the platform, contributing to 7 member groups (with 95 topics active) and 91 organisations registered. After the creation of an account, users can browse LexMeet and provide input in the following areas:

- *Discussions*: This section is filled with discussions about 'LexVoc - translation', 'Tools & Resources' and 'Research';

- *Groups* are dedicated to discuss (not only) ELEXIS topics, such as the Game of Words app, the ELEXIS data model, or the Elexifier development;
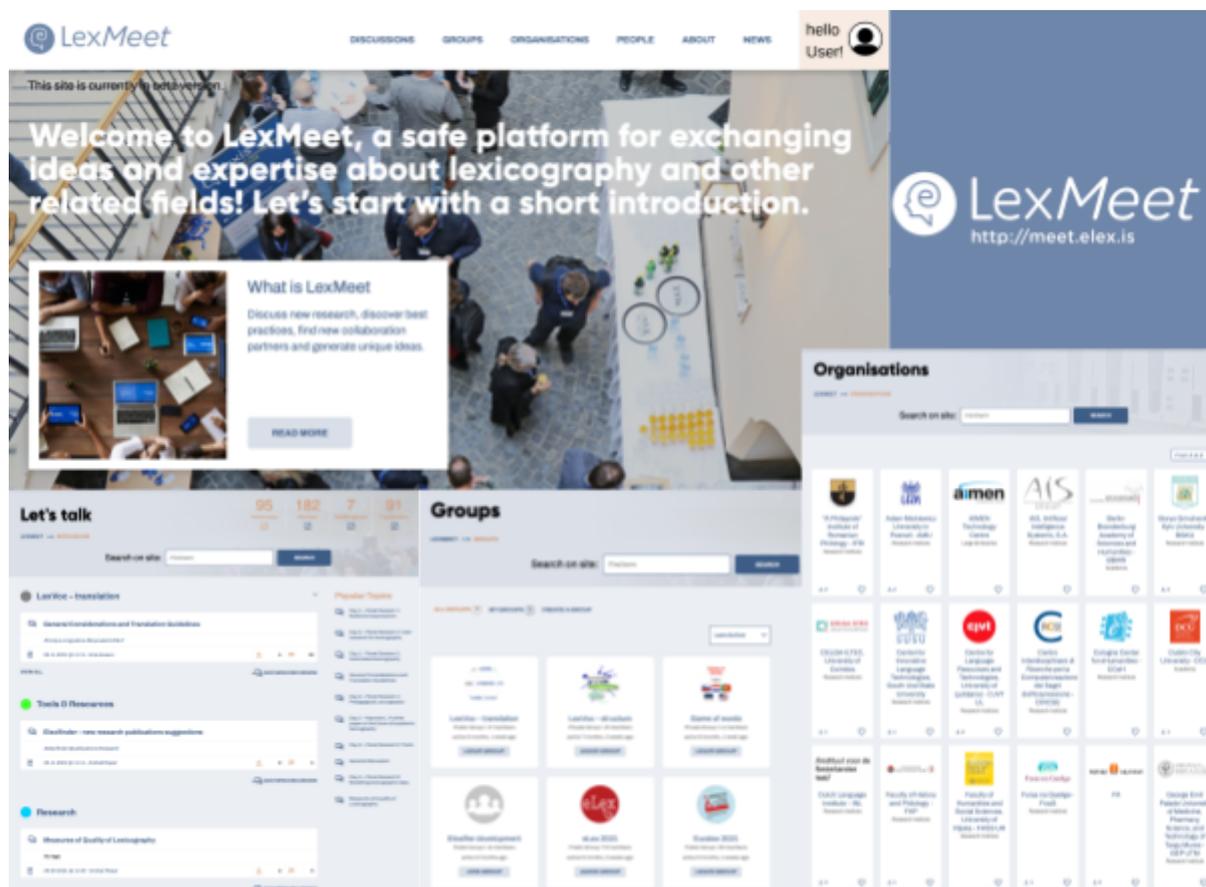
Figure 1: LexMeet Platform - Discussion Forum, Groups & Organisations

Additionally, participants in the ELEXIS EU project and beyond were invited to participate in three activities that the project team was carrying out via LexMeet, in order to improve the ELEXIS tool Elexifinder, a tool for searching scientific output in lexicography:

a) to suggest new content for Elexifinder in order to identify lexicographic publications (such as journals, proceedings, books or individual papers) on a national/regional level, in different languages, ideally available via open access;

b) to help improve the structure of LexVoc, a vocabulary of lexicographic terms, used for (automatic) categorisation and indexing of research publications in Elexifinder; and

c) to help translate LexVoc from English to other languages.

The LexMeet platform supports sustainability efforts as it will be maintained and used after the end of the ELEXIS project.

2. Events

All community building events, networking events and training events are documented on the project website and accessible at: https://elex.is/all-events/.

Due to the COVID-19 pandemic in the first quarter of 2020, we carried out some of our undertakings online if that was possible;

In the reporting period of year 4, from February 1st 2021 to July 20 2022, ELEXIS EU organised a variety of ELEXIS-branded events (see chapters 2.1, 2.2, 5.4.2) and presented (aspects of) the project at conferences for various target audiences in the form of presentations, posters and paper submissions/talks (see chapters 2.3, 4.2 and 4.3). Additionally, experts from the project consortium were hosting ELEXIS-related workshops at training events (co-)organised by ELEXIS. We provide an overview of different types of events attended, organised, and/or supported below.

2.1 ELEXIS Community Building Event in the Fourth Year

The consortium was planning the second ELEXIS event (as it was called in the project proposal), as outlined in D7.6, to be held in Q4 of 2020, in Italy. Due to the outbreak of the COVID-19 pandemic in early 2020, this event needed to be postponed.

Finally, in early June 2022, the event could take place in Florence, Italy. Representatives of various research departments and institutions all over Europe (ELEXIS observing institutions) were invited to join the ELEXIS consortium members for the ELEXIS Showcase Event - ELEXIS from A to Ω: Outcomes, Sustainability & Afterlife of a new European Lexicographic Infrastructure (see Figure 2): This hybrid event was geared towards encouraging cooperation with representatives of various industries (such as NLP, language technologies, machine translation, dictionary publishers etc.) as well as towards existing observer institutions.

Organised as a two days event, of which one day was spent at the historic Accademia della Crusca, various work package leaders presented their (ongoing) work and focussed on the outcomes of the European Lexicographic Infrastructure as well as its sustainability and afterlife. Detailed information including the programme is available at: https://elex.is/elexis-showcase-event-florence/. Additionally, we provide the session recordings via videolectures.net: http://videolectures.net/elexisevent2020_firenze/. The full, uncut event stream remains available via YouTube (Day1/Day2).

Figure 2: Group picture ELEXIS Showcase Event, 7.-8.6.2022, at Accademia della Crusca (Florence, Italy)

2.2 ELEXIS Training Measures in the Fourth Year

In the course of the fourth year, several workshops as well as training events and sessions were planned, and at times carried out in a hybrid way or held virtually. Below, we provide an overview of all training events in year 4:

February 2021:

- EUROLAN 2021, Training School on Linked Data for Linguistics (details available here), organised by the NexusLinguarum COST Action.

The training school was aimed at students, academics, and practitioners to learn the foundations of Linguistic Data Science, these were taught by various ELEXIS researchers. During the course of the training school, the participants were introduced to a wide range of topics: from Semantic Web, RDF, and ontologies, to modelling and querying linguistic data with state-of-the-art ontology models and tools. A detailed report with the training materials is accessible here.

April 2021:

- LiSeH Spring School 2021 (postponed from April 2020, details available here).

Linked Data & the Semantic Web for Humanities Research gives an introduction to the concepts related to the Semantic Web and Linked Data and provides an overview of semantic web technologies and tools with a special focus on application scenarios in the humanities.

June 2021:

- TALN-RECITAL 2021 conference.

The 2021 edition of this conference took place in Lille from June 28 to July 2, 2021 and included:

- the 28th Conference on Natural Language Processing (in French: Traitement Automatique des Langues Naturelles – TALN)
- the 23rd Meeting of Computer Science Student Researchers for NLP (in French: Rencontre des Étudiants Chercheurs en Informatique pour le Traitement Automatique des Langues -RÉCITAL)

ELEXIS researchers offered conference participants a training within the topic of the linguistic linked data cloud; the programme and more details about the conference are accessible here.

- TOTh Training Session 2021.

Within the framework of the TOTh Conference 2021, the training session "Terminology in the Digital Age - The Ontological Turn" aimed to provide participants with theoretical and practical skills that are necessary to build the formal conceptual system of terminology. Protégé was used for building ontologies to open up terminology to the Semantic Web. More information about this event is accessible here.

July 2021:

- Lisbon Summer School in Linguistics 2021.

This training event offered 12 courses in three areas. Area 2 "Terminology and Lexicography" was co-organized by ELEXIS and ELEXIS staff was teaching ELEXIS-relevant topics, i.e. "Linguistic Digital Data in Terminology and Lexicography", as well as a course on "Introduction to Linked Open Data in Linguistics"; more information about the Summer School is accessible here.

May 2022:

- ELEXIS: AI-powered Tools for Lexicographers in the 21st Century.

This virtual event introduced new tools developed by the ELEXIS project to help lexicographers develop dictionaries using state-of-the-art artificial-intelligence-powered tools. The webinar was geared towards working lexicographers and provided practical demonstrations of the tools and how they can be incorporated into a lexicographic workflow. More information is accessible here.

June 2022

- TOTh training session 2022.

Within the framework of the TOTh Conference 2022, the training session "How to use

Protégé for Terminology Purposes" aimed to provide participants with theoretical and practical skills necessary to build an ontology and terminology in Protégé. More information about this event is accessible here.

July 2022

- Lisbon Summer School in Linguistics 2022.

ELEXIS supported and co-organized Area 2 on Terminology & Lexicography of the Lisbon Summer School in Linguistics, which offered 9 courses in 3 areas. More information about this event is accessible here.

2.3 Third-Party Events or Joint Events in the Fourth Year

Below, we provide a list of (virtual/hybrid) events, where ELEXIS researchers presented ELEXIS-related topics either in the form of an invited talk, a poster presentation, or a short/long paper presentation or co-organized workshops, not only but also within the context of various conferences:

March 2021

- Science Connect: Workshop "Common challenges and actions for distributed research infrastructures in Europe".

This workshop invited the research infrastructure (RI) community to reflect on current challenges and explore future options for developing and sustaining their operations and demonstrate their impact in Europe. The workshop addressed research infrastructure managers and operators, hence, Simon Krek took part in the panel discussion on "Models for sustainability: Panel with representatives from RIs established as projects, societies, networks, ERICs, etc.". More information about this event is accessible here.

April 2021

- EACL 2021.

The 16th Conference of the European Chapter of the Association for Computational Linguistics (EACL) was held entirely online. As in previous years, the program of the conference included poster sessions, tutorials, workshops, and demonstrations in addition to the main conference. As the flagship European conference in the field of computational linguistics, EACL welcomes European and international researchers covering a broad spectrum of research areas that are concerned with computational approaches to natural language. More information about this event is accessible here.

June 2021

- TOTh 2021.

The TOTh Conferences (Terminology & Ontology: Theories and Applications) bring together researchers, professionals and, more generally, all persons interested in issues related to language and knowledge engineering. A special session was dedicated to lexical resources and lexicography in connection with the ELEXIS EU project. More information about this event is available [here](#).

July 2021

- eLex Conference 2021.

ELEXIS was co-organising the 7th biennial conference on electronic lexicography, eLex 2021: Post-Editing Lexicography. In addition to the panel and poster sessions, a booth was accessible where people could meet and talk to ELEXIS representatives to get information and ask questions about the ELEXIS project. More information about this event is available [here](#).

- ATILF, Analyse et Traitement Informatique de la Langue Française.

ELEXIS researcher Sina Ahmadi presented a set of slides at ATILF, Analyse et Traitement Informatique De La Langue Française, showcasing some tasks he had been working on, such as Monolingual Word Sense & Resource Alignment, bilingual lexicon induction and the ELEXIS tool NAISC. His presentation is accessible [here](#).

August 2021

- ACL-IJCNLP 2021: The 15th International Workshop on Semantic Evaluation (SemEval-2021).

A paper entitled "SemEval-2021 Task 2: Multilingual and Cross-Lingual Word-in-Context Disambiguation (MCL-WiC)" was presented there. More information about this event is accessible [here](#).

- IJCAI-21, International Joint Conferences on Artificial Intelligence.

Several research papers were presented, more information about this event is accessible [here](#).

- GWLN2021: Globalex Workshop on Lexicography & Neology

ELEXIS was co-organising the third iteration of Globalex Workshop on Lexicography and Neology (GWLN) that was held online in conjunction with the AUSTRALEX 2021 conference, in August 2021. More information about this event is accessible [here](#).

September 2021

- EURALEX XIX.

Due to the pandemic situation, the conference EURALEX XIX: Lexicography for inclusion, needed to be postponed and was carried out in a virtual format. ELEXIS was acknowledged and mentioned in a variety of EURALEX XIX papers. More information is available [here](#). ELEXIS representatives also organised a booth which served as a demo session where people could meet and talk to ELEXIS representatives to get information and ask questions about the ELEXIS project.

- Lexicom 2021.

Lexicom is an intensive workshop in lexicography and lexical computing. This event was endorsed and supported by ELEXIS, since Sketch Engine (Lexical Computing) is part of the ELEXIS consortium and ELEXIS staff was present at the workshop in various roles. More information can be found [here](#).

October 2021

- Slovko 2021. NLP, Corpus Linguistics and Interdisciplinarity.

The Slovko 2021, a biannual conference, was organised by the Department of the Slovak National Corpus, Ľ. Štúr Institute of Linguistics, Slovak Academy of Sciences. The conference is a meeting point for people working in the field of natural language processing, corpus linguistics and, in particular, interdisciplinary research based on corpora. The invited keynote by Tanja Wissik on "Crowdsourcing linguistic annotations" presented the gamification module of the ELEXIS infrastructure among other use cases.

November 2021

- EMNLP 2021.

A variety of papers that acknowledged ELEXIS was presented at EMNLP 2021, the 2021 conference on Empirical Methods in Natural Language Processing. More information about this event is available [here](#).

- Sixth Social Media Mining for Health (#SMM4H) Workshop and Shared Task @NAACL 2022.

The SMM4H Shared Task features tasks across text classification, named entity recognition (NER) and entity normalisation problems on social media datasets. Researchers had the opportunity to apply state-of-the-art methods on multiple tasks to further validate their research on data from social media. For students and educators, this was an excellent opportunity to teach and apply natural language processing (NLP) techniques by participating in the shared tasks. Each participating team had the opportunity to submit a

2-page system description which is published as part of the shared task proceedings. More information about this event is accessible [here](#) and [here](#).

December 2021
- TOTh Workshop.

ELEXIS endorsed and supported the TOTh Workshop on Terminology, Interoperability and Data integration: Issues and Challenges. More information about this event can be found [here](#).

February 2022
- AAAI 2022.

AAAI-22 was co-located with the Thirty-Fourth Innovative Applications of Artificial Intelligence Conference (IAAI-22) and the Twelfth AAAI Symposium on Educational Advances in Artificial Intelligence (EAAI-22). Several papers that acknowledged ELEXIS as the funding project were presented there. More information is accessible [here](#).

March 2022
- SSH Industry Outreach Event.

The European Union is supporting the development of a pan-European network of Industrial Liaison and Contact Officers (ILOs/ICOs) across research infrastructures (RIs) via the ENRIITC project. Hence, this online event investigated new relationships between SSH RIs with stakeholders outside academia. More information about this event is accessible [here](#).

April 2022
- European Master in Lexicography – Erasmus Mundus Joint Master Degree.

As part of the European Master in Lexicography, Ana Salgado held an open lecture entitled "From traditional lexicography to digital humanities: updating the new Portuguese Academy Dictionary". More information about this event is accessible [here](#).

May 2022
- Crowdsourcing in DH .

As part of the lecture series 'Introduction to DH', Tanja Wissik held a lecture within the scope of the Digital Humanities Master's degree at the University of Vienna, Vienna. The ELEXIS Gamification Apps were presented as one of the crowdsourcing case studies.

- European Master in Lexicography – Erasmus Mundus Joint Master Degree.

As part of the European Master in Lexicography, Rute Costa held an open lecture entitled "Terminology in the Digital Age". More information is accessible [here](#).

- ACL 2022 - 60th Annual Meeting of the Association for Computational Linguistics.

Within the framework of this conference, several papers were presented that mention ELEXIS as the funding project. More information about this event is accessible here.

- Lange Nacht der Forschung 2022 (LNF2022).

The ELEXIS EU partner institution Austrian Academy of Sciences (ACDH-CH) participated in the Long Night of Research 2022 with a linguistic station: How can language be explored digitally, playfully and interactively? The linguists and text researchers of the ACDH-CH invited attendees to explore digitised lexicons, dialect dictionaries and text corpora with interactive games. They gave an insight into how digital linguistics works and how they make their results accessible for research and the interested public. In this context the ELEXIS gamification module was presented and the audience could try out the "Game of Words" app . More information about this event is accessible here.

- ProLingKNOWER Workshop (Nexuslinguarum).

The focus of the workshop PROfiling LINGuistic KNOWledgE gRaphs (ProLingKNOWER) was to reveal novel approaches, methodologies and frameworks on profiling linguistic linked data as well as to highlight tools and user interfaces that can effectively assist different use cases for profiling such data. In addition, the workshop seeks methodologies that help effective profiling in building real-world Linked Data applications leveraging linguistic data, as well as use cases that reveal success stories or aspects that have been neglected so far. More information about this event is accessible here.

- Colloquium "Romanian Academic Lexicography. The Challenges of Digitalisation".

Researchers, linguists and computer scientists from the Romanian Academy organised the 11th edition of the International Colloquium "Romanian Academic Lexicography. The Challenges of Digitalisation". The objectives were to disseminate recent results of lexicographic research from national and European projects, to present existing tools and resources for (academic) dictionary writing, and to present other results obtained in linguistic and philological research. Iztok Kosem was invited as a keynote speaker where he presented the ELEXIS project. The programme of the symposium is available here.

June 2022

- TOTh Conference 2022.

ELEXIS was supporting the TOTh 2022 Conference, which took place both online and onsite in Chambéry, France. The TOTh Conferences – Terminology & Ontology: Theories and applications – bring together researchers, professionals and, more generally, all

persons interested in issues related to language and knowledge engineering. More information about this event is accessible [here](#).

- LREC 2022: Globalex Workshop on Linked Lexicography 2022.

ELEXIS co-organised a full-day workshop held in conjunction with LREC 2022 as a hybrid event. The workshop elaborated the theme of linking data across lexicographic resources and with other lexical resources, with the aim of enhancing language data methodologies and applications. More information about this event is available [here](#).

- LREC 2022: Workshop on Resources and Technologies for Inidgenous, Endangered and Lesser-Resourced Languages in Eurasia (EURALI).

This workshop focused on the development of language technology resources and tools for the indigenous, endangered and lesser-resource languages in the Eurasia continent. More information about this event is accessible [here](#).

- LREC 2022: Terminology in the 21st century: many faces, many places.

This half-day workshop aimed to provide a discussion forum on the theoretical and methodological approaches that have characterised terminology in recent years. In particular, it focused on its connection to the Linguistic Linked (Open) Data paradigm and to Semantic Web technologies through the use of ontologies and how this promotes the creation of interoperable terminological resources in multiple domains and applications, such as Digital Humanities, e-lexicography, or e-health. The workshop also focused on exploring the advantages and challenges underlying current terminology-related standards, as well as on available resources and case studies. More information about this workshop is accessible [here](#).

- LREC 2022: 8th WS on linked Data in Linguistics.

The 8th Workshop on Linked Data in Linguistics (LDL-2022): Revisiting a Decade of Linguistic Linked Open Data, co-located with LREC 2022, was co-organized by ELEXIS. The workshop was targeting a wide range of communities such as applied linguistics, lexicography, digital humanities, natural language processing and information technology and provided the primary forum to present and discuss use cases, experiences, best practices, recommendations and technologies of linguistic linked open data in an interdisciplinary setting, addressing topics such as linking language resources, natural language for structured knowledge and structured knowledge for natural language. More information about this event is accessible [here](#).

- LREC 2022: 6th Workshop on Indian Language Data: Resources and Evaluation (WILDRE).

The 6th iteration of the WILDRE workshop series had a special focus on demos of Indian language technology. In the past few years, as more resources have been developed and made available, there has been an increased activity in developing usable technology using these. WILDRE-6 encouraged and widened the Demo track to allow the community to showcase their demos and have mutually beneficial interactions with each other as well as resource developers. Hence, WILDRE-6 included shared tasks for Indian languages: The organisers of shared tasks provided datasets and evaluation platforms to evaluate systems developed by the participants. More information about this event is available [here](#).

- 1st International Conference on "Multilingual digital terminology today.
  Design, representation formats and management systems".

The 1st International Conference on "Multilingual digital terminology today. Design, representation formats and management systems" aimed to bring together specialists in the disciplines of terminology, terminography, computational terminology, computational linguistics and NLP. Its goal was to share methodological reflections on design approaches, representation formats and management systems of the digital terminology contained in terminological resources. Hence, ELEXIS EU research experts were invited as keynote speakers: Rute Costa held a talk entitled 'Transitions en Terminologie' and Roberto Navigli reflected about 'Ten Years of BabelNet and Beyond'. More information about this event is available [here](#).

- Lexicom 2022.

Lexicom is an intensive workshop in lexicography and lexical computing. This event was endorsed and supported by ELEXIS, since Sketch Engine (Lexical Computing) is part of the ELEXIS consortium and ELEXIS staff was present at the workshop in various roles. More information can be found [here](#).

July 2022

- ELEXIS pre-conference workshop at EURALEX 2022.

ELEXIS was organising a pre-conference workshop, co-located with EURALEX 2022, XX International Congress: Dictionaries and Society. The workshop included presentations, discussions, and hands-on work with various ELEXIS tools. The participants were able to use their own data, or use one of the existing ELEXIS datasets. More information about this event is accessible [here](#).

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- EURALEX 2022.

The XX EURALEX International Congress was held in Mannheim, Germany. With its motto "Dictionaries and Society", the conference aimed at bringing together professional lexicographers, linguists, publishers, researchers, software developers and anyone interested in dictionaries and their educational, cultural, political and social impact in everyday life. More information about this event is accessible here.

- Fourth Globalex Workshop on Lexicography and Neology, 2022 @EURALEX.

The fourth edition of Globalex Workshop on Lexicography and Neology was held in conjunction with EURALEX 2022, in Mannheim, Germany. The aim of the GWLN series is to bring together cross-world views combining detection and evaluation methods of neologisms with their lexicographic processing and representation for different languages. GWLN takes place annually with support of the Global Alliance for Lexicography (Globalex), in conjunction with the international conferences of the continental associations for lexicography. More information about this workshop can be accessed here.

3. Dissemination Material

The distributed dissemination material follows the corporate design guidelines described in D7.1: Visual Identity and Design Manual (available here).

3.1. Online Dissemination Material

Due to the COVID-19 outbreak in 2020, special emphasis was put on the creation of online dissemination material, in order to promote a variety of events and online campaigns, such as calls for papers, available project tools, and grants for research visits. The pictures and mini videos crafted were distributed via social media, ELEXIS newsletters and displayed on the project website (see Fig. 3 below).

Figure 3: Publicity items for online use

3.2. Offline Dissemination Material

Next to a limited number of giveaways, such as pens and stickers, print materials were made available for download at the start of the project on the project website. Due to the outbreak of the COVID-19 pandemic in 2020, offline materials could hardly be distributed in year 3 and 4 of the project. However, we distributed remaining ELEXIS pens and stickers at the Long Night of Research and the ELEXIS Showcase Event in Florence.

4. Scientific Dissemination

4.1 Publications (see full list in appendix)

The publications for this reporting period have been uploaded to the Zenodo ELEXIS Community by their respective authors. Following up on the recommendations by the reviewer from the first review meeting, we have elaborated a tagging system for our uploaded ELEXIS publications according to the objectives of the project and the WPs (work packages) of the project. One publication can be tagged with multiple tags.

Table 1 below indicates the upload numbers (presentation slides also count as uploads) of publications when filtering for the specific tags by the time of writing this report:

Objectives	Number of publications on zenodo
cooperation and knowledge exchange (objective 1)	10
lexicographic standards (objective 2)	21 and 2
strategies, tools, standards for lexicographic resources (objective 3)	75 and 7
access to data and tools (objective 4)	32
openness in lexicography (objective 5)	17

Table 1: Number of publications related to objectives

At the time of writing this deliverable, we have a total of 126 publications in the ECAS portal (since the beginning of the project).

Please see the Appendix for the full list of publications as downloaded from the ECAS portal.

For a more detailed analysis of the publications please see section 5.4.4.

4.2 Presentations

This reporting period has still been affected by the pandemic situation: conferences were cancelled, postponed, held virtually or the proceedings were merely published online.

Due to these circumstances, we have fewer presentations to report for this reporting period. Here is a selection of presentations for this reporting period:

2021

- "Monolingual Word Sense Alignment as a Classification Problem", Sina Ahmadi and John McCrae @ 11th Global Wordnet Conference, 18-21 January 2021.
- "The GlobalWordNet Formats: Updates for 2020", John McCrae et al. @ 11th Global Wordnet Conference, 18-21 January 2021.
- "Towards a Linking between WordNet and Wikidata", John McCrae et al. @ 11th Global Wordnet Conference, 18-21 January 2021.
- "Towards the Addition of Pronunciation Information to Lexical Semantic Resources", Thierry Declerck and Lenka Bajčetić @ 11th Global Wordnet Conference, 18-21 January 2021.
- "Models for sustainability: Panel with representatives from RIs established as projects, societies, networks, ERICs, etc.", Simon Krek @ WORKSHOP "COMMON

CHALLENGES AND ACTIONS FOR DISTRIBUTED RESEARCH INFRASTRUCTURES IN EUROPE", 18 March 2021.

- "Extending TBX2RDF", Thierry Declerck, Tom Winter and Tanja Wissik @ TOTh2021, 3 June 2021.
- "Domain label ontology for health sciences applied to the Portuguese, French, and Spanish Academy dictionaries", Rute Costa, Ana Salgado, Sara Carvalho, Alberto Simões and Toma Tasovac @ TOTh2021, 3 June 2021.
- "Towards the ELEXIS data model: defining a common vocabulary for lexicographic resources", Carole Tiberius, Simon Krek, Katrien Depuydt, Polona Gantar, Jelena Kallas, Iztok Kosem and Michael Rundell @ eLex 2021.
- "Designing the ELEXIS Parallel Sense-Annotated Dataset in 10 European Languages", Federico Martelli et al @ eLex 2021.
- "New developments in Lexonomy", Adam Rambousek, Miloš Jakubíček and Iztok Kosem @ eLex 2021.
- "The ELEXIS System for Monolingual Sense Linking in Dictionaries", John P. McCrae, Sina Ahmadi, Seung-bin Yim and Lenka Bajčetić @ eLex 2021.
- "Automatic Alignment of Lexicographical Data", Sina Ahmadi @ ATILF, Analyse et traitement informatique de la langue française, 13 July 2021.

2022

- "ELEXIS AND ITS CURRICULUM ON DARIAH-CAMPUS", Simon Krek @ SSH Industry Outreach Event, March 2022.
- "EDIE – Elexis DIctionary Evaluation Tool", Seung-Bin Yim, Lenka Bajcetic @ ProLingKNOWER Workshop (Nexus Linguarum), May 2022.
- "European Lexicographic Infrastructure (ELEXIS): Tools and Services", Iztok Kosem, Colloquium "Romanian Academic Lexicography. The Challenges of Digitalisation", May 2022.

Several presentations from the ELEXIS showcase event in Florence, June 2022. Program and recordings can be found here.

- "Compiling a Suitable Level of Sense Granularity in a Lexicon for AI Purposes: The Open Source COR Lexicon", Bolette S. Pedersen , Nathalie Carmen Hau Sørensen , Sanni Nimb , Ida Flörke , Sussi Olsen , Thomas Troelsgård, @ LREC 2022, June 2022.
- "Using Wiktionary to Create Specialised Lexical Resources and Datasets", Lenka Bajcetic,, Thierry Declerck @ LREC 2022, June 2022.
- "Towards a new Ontology for Sign Languages", Thierry Declerck, @ LREC 2022, June 2022.

- "An insight into lexicographic practices in Europe: Results of the extended ELEXIS Survey on User Needs", Carole Tiberius/Jelena Kallas/Svetla Koeva/ Margit Langemets/Iztok Kosem @ Euralex2022, July 2022.
- "APPLYING TERMINOLOGICAL METHODS TO LEXICOGRAPHIC WORK: TERMS AND THEIR DOMAINS", Ana Salgado/Rute Costa/Toma Tasovac, @ Euralex2022, July 2022.
- "INTRODUCING LexMeta: A METADATA MODEL FOR LEXICAL RESOURCES", David Lindemann/Penny Labropoulou/Christiane Klaes, @ Euralex2022, July 2022.
- "INTEGRATION OF SIGN LANGUAGE LEXICAL DATA IN THE OntoLex-Lemon FRAMEWORK", Thierry Declerck, @ Euralex2022, July 2022.

4.3 Poster Presentations

- "BabelNet Meaning Representation: A Fully Semantic Formalism to Overcome Language", Barriers Roberto Navigli, Rexhina Blloshmi and Abelardo Carlos Martíinez Lorenzo @ 36th AAAI Conference on Artificial Intelligence, 24 February, 2022.
- "STEPS: Semantic Typing of Event Processes with a Sequence-to-Sequence Approach", Sveva Pepe, Edoardo Barba, Rexhina Blloshmi, Roberto Navigli @ 36th AAAI Conference on Artificial Intelligence, 26 February, 2022.
- "Integration of Sign Language Lexical Data in the OntoLex-Lemon Framework", Thierry Declerck @ Euralex 2022, 12-16 July 2022.

4.4 Other (Talks without Papers, Keynotes, etc.)

- Keynote "Crowdsourcing Linguistic Annotations", by Tanja Wissik @ Slovko2021, 14 October 2021.
- Lecture on "Crowdsourcing in DH" by Tanja Wissik within the lecture series Introduction to DH for the Master in Digital Humanities at the University of Vienna, May 2022.
- Open lecture on "Terminology in the Digital Age" by Rute Costa as part of the European Master in Lexicography, May 2022.
- Open lecture on "From Traditional Lexicography to Digital Humanities: Updating the new Portuguese Academy Dictionary" by Ana Salgado as part of the European Master in Lexicography, May 2022.

5. Evaluation, Monitoring & Reporting

Work package 7, dissemination and outreach, was tasked with monitoring (scientific) dissemination activities, as indicated in the Grant Agreement. These activities include the monitoring of:

- newsletter subscriptions,
- website analytics,
- social media analytics,
- number of participants/registrations at various events
- scientific publications.

Table 2 below provides an overview of objective 1 and the key performance indicators identified to be achieved by the end of the ELEXIS EU project with the help of WP7:

OBJECTIVE 1 To foster cooperation and knowledge exchange between different research communities in lexicography		
Target outcome	**Indicator**	**Target**
[...]	[...]	[...]
Attendance at ELEXIS training events	Number of registrations per event	<= 40 (not satisfactory) >= 40 (satisfactory)
Attendance at ELEXIS community building events	Number of registrations per event	<= 100 (not satisfactory) >= 100 (satisfactory)
Social media engagement	Number of followers (end of project)	<= 5000 (not satisfactory) >= 5000 (satisfactory)
Promotional activities	Website analytics (after M24) - daily visits	<= 50 (not satisfactory) >= 50 (satisfactory)

Table 2: Objective 1

Table 2a below provides an excerpt of the key performance indicators identified in order to fulfil objectives 2, 3 and 4 that apply to WP7 as well:

OBJECTIVE 2 To establish common standards and solutions for the development of lexicographic resources		
Target outcome	**Indicator**	**Target**
[...]	[...]	[...]
Scientific output on standardisation in lexicography	Number of scientific journal articles	< 3 (not satisfactory) > 3 (satisfactory)
	Number of scientific conference papers	< 15 (not satisfactory) > 15 (satisfactory)
OBJECTIVE 3 To develop strategies, tools and standards for the extracting, structuring and linking of lexicographic resources		
Target outcome	**Indicator**	**Target**
[...]	[...]	[...]
Scientific output on linking in lexicography	Number of scientific journal articles	< 5 (not satisfactory) > 5 (satisfactory)
	Number of scientific conference papers	< 25 (not satisfactory) > 25 (satisfactory)
OBJECTIVE 4 To enable access to standards, methods, lexicographic data and tools for scientific communities, industries and other stakeholders		
Target outcome	**Indicator**	**Target**
[...]	[...]	[...]
Scientific output on automatic creation of lexicographic content (dictionary-on-the-fly)	Number of journal articles	< 5 (not satisfactory) > 5 (satisfactory)
	Number of conference papers	< 25 (not satisfactory) > 25 (satisfactory)

Table 2a: Excerpt of objectives 2, 3 and 4 that apply to WP7

Outreach and engagement are monitored via website analytics (Google Analytics and Matomo, formerly known as Piwik), via the standard reporting features of social media platforms, via the reporting dashboard of the mass mailing tool Mailchimp and via figures/data collected at forms for event registration (e.g. a workshop). In the following sub-chapters, WP7 provides a detailed overview on the status of each respective target outcome in reference to table 2 and 2a.

5.1 Social Media Monitoring Year 4

Figure 4 below visualises the growth of ELEXIS EU followers per social media platform in year 4. It is evident that the project could gather more followers on Twitter than on

Facebook: The lexicographic community seems to be more active in publishing academic tweets than posting the same content (in a different way) on Facebook. In addition, many related projects, such as CLARIN and DARIAH are registered users on Twitter, which is a massive help in terms of dissemination and outreach.

Growth of ELEXIS EU page likes & follow(ers) on Facebook & Twitter

February 2021 - July 20, 2022
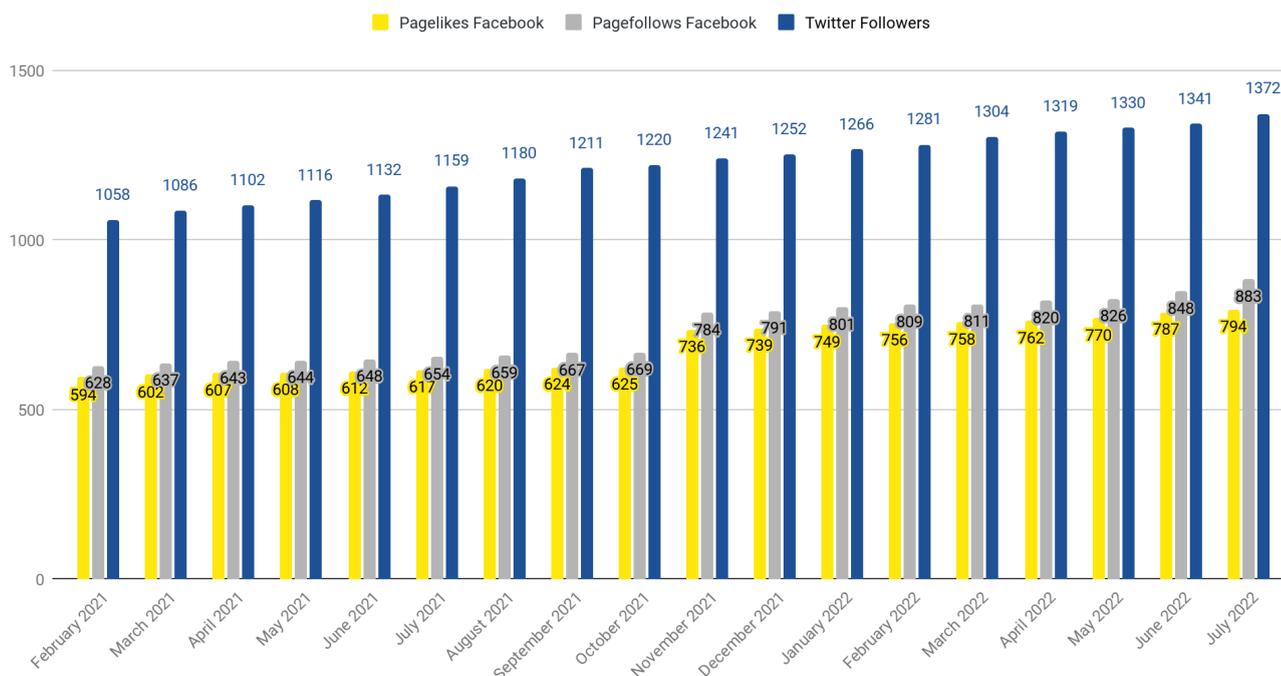
Figure 4: Follower growth on Facebook & Twitter, February 2021 - July 20, 2022 (Social Media Engagement)

Within the last 4 years, ELEXIS EU was able to gather 1372 Followers on Twitter and 883 page followers on Facebook (plus 794 page likes respectively).

Taking into account the indicator from table 2 (objective 1), *social media engagement*, the overall target to achieve is 5.000 followers by the end of the project.

However, ELEXIS EU managed to collect followers beyond the borders of social media platforms: We are considering as well the number of the members of the LexMeet plattform and ELEXIS EU newsletter subscribers (see chapter 5.3) for the calculation of the targeted outcome. Additionally, we are taking into account the number of Twitter and Facebook followers from *SketchEngine*, since it is both an ELEXIS tool and an ELEXIS consortium partner institution.

Table 2b below summarises the calculations made for the key performance indicator *social media engagement* and visualises that the target outcome (8.294) is *'satisfactory'*.

Target outcome	Indicator	Target
Social media engagement	Number of followers (end of project)	<= 5000 (not satisfactory) >= 5000 (satisfactory)

ELEXIS Twitter: **1.372 Followers** (July 2022)
ELEXIS Facebook: **883 Followers** (July 2022)
_____

= **2.255 Followers** on Social Media

+ LexMeet Members: 166 (July 2022)
+ Newsletter Subscribers: 328 (July 2022)
_____

total: 2.749

+ SketchEngine Twitter Followers (3.045)
+ SketchEngine Facebook Followers (2.500)
_____

grand total: 8.294 Followers

Table 2b: key performance indicator 'social media engagement'

5.1.1 Twitter Analysis

In the course of year four, ELEXIS EU published 577 tweets and gained 347 new followers on Twitter. Table 3 below provides an overview of published tweets, impressions and follower growth per month in the fourth year.

The number of tweets per month in table 3 indicates that ELEXIS EU tweeted most frequently in the context of lexicographic events, i.e. in April, July and September 2021:

In April 2021, the (postponed) LiSeH Spring School took place and ELEXIS EU shared impressions of this event with various followers.

In July 2021, both the eLex conference: post-editing lexicography and the Lisbon Summer School in Linguistics took place, and ELEXIS EU kept its audience up to date via Twitter.

In September 2021, the EURALEX: Lexicography for Inclusion conference took place in a virtual setting, and ELEXIS EU tweeted actively.

However, the vast majority of followers in year 4 was not only collected in the months of the events (July & September 2021) described above, but also in February and March 2021, as indicated in Table 3 below.

Month	Nr. of Tweets	Total impressions	Nr. of followers
February 2021	25	25.900	1058
March 2021	36	37.800	1086
April 2021	67	58.100	1102
May 2021	31	24.200	1116
June 2021	28	28.400	1132
July 2021	68	49.400	1159
August 2021	16	20.300	1180
September 2021	109	32.100	1211
October 2021	21	16.000	1220
November 2021	25	16.000	1241
December 2021	19	9.027	1252
January 2022	11	9.930	1266
February 2022	26	15.200	1281
March 2022	23	13.900	1304
April 2022	26	12.800	1319
May 2022	25	13.300	1330
June 2022	13	9.574	1341
July 2022	8	6.180	1372

Table 3: Overview ELEXIS EU on Twitter, year 4

5.1.2 Facebook Analysis

In the course of year four, ELEXIS EU published 360 postings on Facebook, earned 200 new page likes and 255 new page follows.

Table 4 below indicates that most postings were published in July 2021 (eLex conference). An analysis of the most popular postings on Facebook according to reach[1] (firstly) and engagements[2] (secondly) shows that the most successful postings are related to (community building and training) events in the field of lexicography:

The most thriving posting in year four informed the interested audience in November 2021 about a free online webinar that introduced the written British National Corpus 2014: The

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[1] The number of people who saw a post at least once.
[2] The number of reactions, comments, shares and clicks on a posting.

posting reached 8.400 people on Facebook and had 714 post engagements. Accordingly, a vast majority of new followers and page likes could be collected in this time period (see Table 4 below).

A posting from March 2021 informed the audience about the return of the Lisbon Summer School in linguistics 2021: It reached 3.500 people and earned 280 engagements.

In July 2022, ELEXIS EU called for participation in the fourth GLOBALEX workshop on Lexicography & Neology, held in conjunction with EURALEX 2022 conference. The posting reached 1.500 people and achieved 119 engagements. A posting from June 2021 about the ELEXIS Showcase Event at the Accademia della Crusca was very popular too, it reached 1.500 people and earned 311 post engagements.

Additionally, ELEXIS EU posted about the ELEXIS workshop held at EURALEX (in July 2022), the posting reached 1.300 people and earned 180 engagements.

In November 2021, ELEXIS EU opened the fifth and final call for research grants. The Facebook posting reached 1.200 people and earned 41 engagements.

Month	Nr. of Postings	Total reach	Page Likes	Page Follows
February 2021	21	4490	594	628
March 2021	24	8012	602	637
April 2021	22	3863	607	643
May 2021	25	4664	608	644
June 2021	25	3772	612	648
July 2021	29	6865	617	654
August 2021	15	3098	620	659
September 2021	18	4203	624	667
October 2021	25	4404	625	669
November 2021	24	14260	736	784
December 2021	18	4277	739	791
January 2022	11	2736	749	801
February 2022	20	4703	756	809
March 2022	23	3992	758	811
April 2022	20	2639	762	820
May 2022	23	3223	770	826

| June 2022 | 12 | 4653 | 787 | 848 |
| July 2022 | 5 | 3187 | 794 | 883 |

Table 4: Overview ELEXIS EU on Facebook, year 4

5.1.3 Social Media Campaigns

In the fourth year of the project, ELEXIS EU continued publishing several campaigns that were introduced in the course of the previous years: Every Tuesday, the 'ELEXIS tool series' informed the audience about tools and services available with the hashtag #ELEXIStool on Facebook and Twitter.

In Autumn 2021, the LexMeet platform (see Chapter 1) was introduced to the scientific community, which was accompanied by a social media campaign featuring the hashtag #MeetELEXIS to draw users to visit and sign up on the website.

Additionally the 'ELEXIS lexicographic newsfeed' was highlighted monthly with a variety of postings and tweets in different languages that were sourced from the ELEXIS lexicographic newsfeed.

Also, the campaign highlighting the winners of a respective research grant obtained by the project could be followed in addition to portraits of several grant winners of call 4 and 5. Throughout the year, ELEXIS EU posted about new grant winner portraits and reports and highlighted new publications by grant winners.

After having introduced the #ELEXISobserver series in previous years, ELEXIS EU posted and tweeted content including this hashtag, if applicable: These posts were related to job openings, news from observing institutions or events organised by them.

For consistency, the authors included the announcement of 'ELEXIS news', such as new deliverables available, in Figure 5 below that provides an overview of ELEXIS social media campaigns in the course of year four.
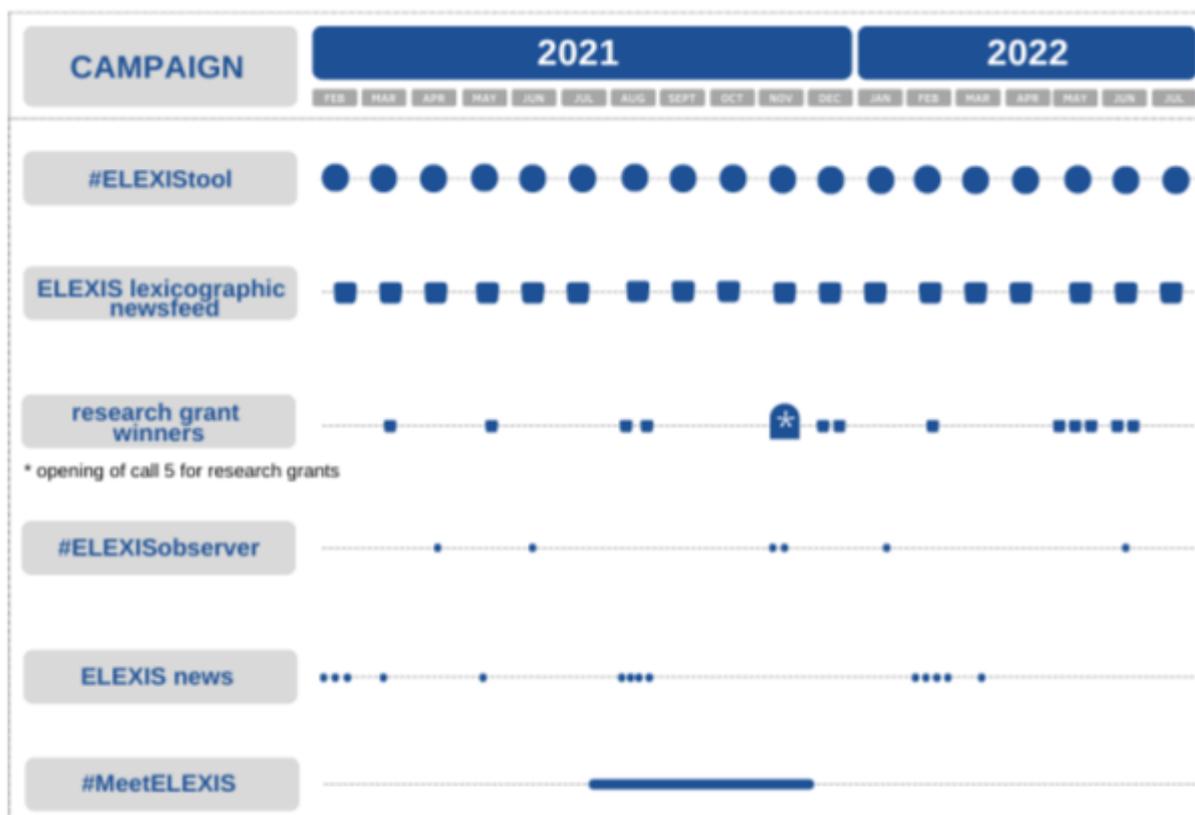
Figure 5: Overview of ELEXIS EU social media campaigns in year 4

5.2 Website Monitoring Year 4

In the course of year four, the project attracted 17,497 users who visited ELEXIS pages 41,016 times (see Table 5 below).

Time period	Visits/users	Pageviews/ page visits	Unique pageviews
May - October 2018 (ACDH Server, Matomo)	3,231	8,700	6,495
October 2019 - incl. February 2019	2,669	15,513	11,010
March 2019 - incl. January 2020	8,142	32,490	25,226
February 2020 - incl. January 2021	8,214	24,662	19,641
February 2021 - July 20, 2022	17,497	41,016	34,490
Total	39,753	122,381	-

Table 5: ELEXIS website visits

Figure 6 below indicates page visits per month in the period from February 2021 to July 20, 2022.
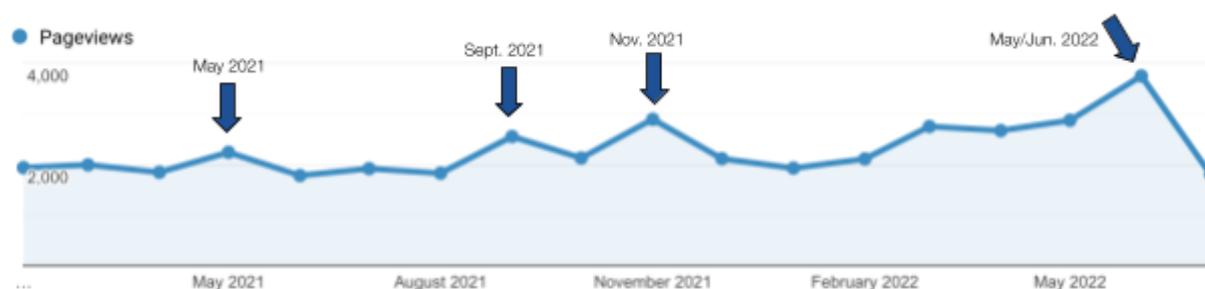
Figure 6: Google Analytics - Page visits per month February 2021 - July 20, 2022

The vast majority of users visited the website in May 2021, September 2021, November 2021 and in the end of May/beginning of June 2022:

In May 2021, many people sought to learn more about the richness of the ELEXIFINDER tool. In September 2021, the postponed EURALEX conference took place, which drew the users' attention to visiting the website. In November 2021, the ELEXIS TNA Committee opened the 5th call for travel grants which attracted users to visit the website. In the end of May/beginning of June 2022, many users visited the ELEXIS EU website to learn more about the ELEXIS Showcase Event, held in early June in a hybrid setting in Florence, Italy.

In reference to objective 1, *promotional activities*, the indicator targets more than 50 daily visits on the project website after M24, i.e. January 2020.

As mentioned above, WP7 uses Google Analytics to measure website visitors; however, the instruction to monitor monthly 'daily visits' per se is not included in the terminology used by Google Analytics. Hence WP7 decided to use 'daily average pageviews per month' instead to indicate daily visits from January 2020 until the end of July 2022 (i.e. the period after M24). The detailed overview per month, provided in Table 6, provides evidence that this target was met and is therefore *'satisfactory'*.

Avg. Pageviews per Day/Month			
	2020	2021	2022
January	123	53	62
February	108	69	75
March	77	64	89
April	72	61	89
May	80	72	92
June	81	59	125
July	63	62	90
August	35	59	
September	56	85	
October	74	68	
November	62	96	
December	51	68	

Table 6: Average Pageviews per Day/Month from January 2020 to July 20, 2022

5.3 E-Mail Monitoring Year 4

By the end of the project, in late July 2022, 328 people subscribed to receive the ELEXIS EU newsletter that is publicly available on the project website. Figure 7 below shows the growing number of ELEXIS EU newsletter subscriptions per month in the course of year 4.

Number of ELEXIS EU newsletter subscribers

February 2021 - July 20, 2022
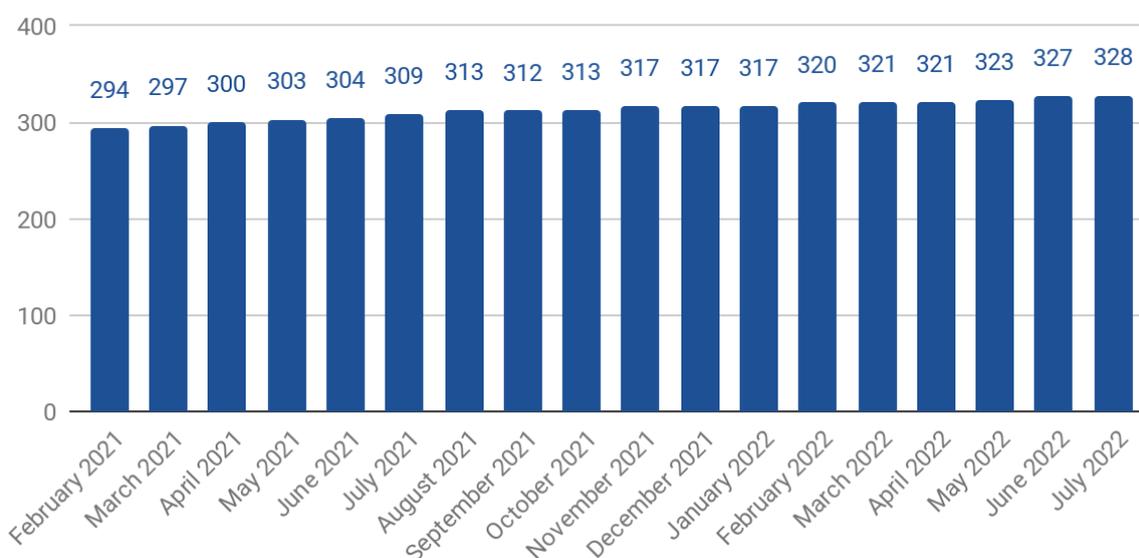
Figure 7: Audience growth on Mailchimp in year 4 over time

5.4 Evaluation: WP7 Achievements within Year 4

Besides the overall objectives and the key performance indicators to be achieved by the end of the ELEXIS project, WP7 was tasked with obtaining the targets described in Tables 2 (i.e. Objective 1) and 2a (i.e. Excerpt of objectives 2, 3 and 4 that apply to WP7). Each indicator of Table 2, Objective 1, (developing an infrastructure which will foster cooperation and knowledge exchange between different research communities in order to bridge the gap between lesser-resourced languages and those with advanced e-lexicographic experience) will be taken into account in the following subchapters.

Objectives related to scientific publications (Table 2a, Excerpt of Objectives 2, 3 and 4) are described in Section 5.4.4.

5.4.1 Evaluation of Research Visits

In total, the trans-national access committee opened five calls for research visit grants and received 50 proposals. Within these five calls the committee granted 27 winners. 20 research visits were completed on-site, one grant winner conducted their visit in a virtual setting, while six visits were cancelled. More detailed information about the status of the research visits is accessible in D9.4, final report on trans-national access.

5.4.2 Evaluation of attendance at ELEXIS (training) events within Year 4

In Chapters 2.1 and 2.2, we provided an overview of ELEXIS branded training measures and events held in the course of year 4, Table 7 below presents a list of those events, indicating the number of participants per event. Altogether, ELEXIS EU project members organised 16 ELEXIS branded events: 8 training measure events, 1 community building event and 7 ELEXIS branded events in the form of a conference and hands-on workshops.

Nr.	Name of the event	Nr. of attendees	Branding
	ELEXIS training measures		
1	EUROLAN 2021	97	endorsed & supported
2	LiSeH Spring School 2021	27*	co-organised
3	TALN-RECITAL 2021 conference	20*	endorsed & supported
4	TOTh Training Session 2021	25*	co-organised
5	Lisbon Summer School in Linguistics 2021	83*	co-organised
6	ELEXIS: AI-powered tools for Lexicographers in the 12st century	45	co-organised
7	TOTh Training Session 2022	22*	co-organised

8	Lisbon Summer School in Linguistics 2022	75*	co-organised
ELEXIS Community Building Event			
9	ELEXIS Showcase Event	220*	organised
ELEXIS Branded Events (at third-party or joint events)			
10	eLex Conference 2021: post-editing Lexicography	130	co-organised
11	GWLN2021: Globalex Workshop on Lexicography & Neology	126	organised
12	LREC 2022: Globalex Workshop on Linked Lexicography 2022	25	organised
13	LREC 2022: Workshop on Resources and Technologies for Inidgenous, Endangered and Lesser-resources Languages in Eurasia (EURALI)	35	organised
14	LREC 2022: 8th Workshop on linked Data in Linguistics	31	organised
15	ELEXIS pre-conference workshop at EURALEX 2022	36	organised
16	Fourth Globalex Workshop on Lexicography and Neology, at EURALEX 2022	50	organised

* the number of participants was restricted

Table 7: ELEXIS-branded events and training measures with participant numbers in year 4

According to Table 2 (Objective 1), the targeted outcome of *attendance at ELEXIS training events* is monitored via the number of registrations per event >= 40.

Even though we are listing training measures in the upper part of Table 7 above, where the number of participants was lower than 40, the authors argue that this is to be considered *'satisfactory'* since the number of participants (at most of the training events) was restricted (to less than 40 people).

The targeted outcome of *attendance at ELEXIS community building events* is measured via the number of registrations per event >= 100 (see Table 2, Objective 1).

Table 7 indicates the number of registrations (220) for the ELEXIS Showcase Event 2022. Hence, the requirements of this key performance indicator were met, the target may be classified as *'satisfactory'* too.

5.4.3 Evaluation of Attendance at All Events in Year 4

(including ELEXIS-branded events, training events and third-party events)

We gave an overview of ELEXIS-branded community building events and training measures as well as attended third-party and joint events in Chapter 2. Figure 8 below includes all of theses events and furthermore visualises the number of attended events per type according to the ECAS portal[3]:

In the course of year four, ELEXIS researchers (co-)organised 8 training measures (see Table 7 above) and participated in 6 workshops. Additionally, ELEXIS researchers published 20 videos in regards to training measures organised online via YouTube (i.e. the recordings of the LiSeH Spring School 2021 organised in a playlist (here) and the Lisbon Summer School in Linguistics 2021 video teasers: Introduction to Linked Open Data in Linguistics / The past, present and future, of dictionaries for African Languages). Furthermore, the project consortium members published the stream-recordings of the ELEXIS Showcase event held in Florence, Italy, on YouTube and provided the cut versions of each talk on videolectures.net.

Various ELEXIS EU members attended 12 conferences in the fields of lexicography, natural language processing and language technology respectively either onsite or online in the course of year 4. Moreover, the project members (co-)organised 3 conferences (eLex 2021, ELEXIS Showcase Event 2022, EURALEX 2022) and 7 workshops (GWLN2021 & GWLN2022: Globalex Workshop on Lexicography & Neology, the ELEXIS pre EURALEX conference workshop and 5 workshops at LREC, one of them jointly organised with other EU projects). In addition, ELEXIS joined forces with other EU projects at the ProLingKNOWER Workshop (with Nexus Linguarum) and the SSH Industry Outreach event (with CLARIN ERIC and DARIAH EU). The events other than a conference or a workshop that project members participated in, are lectures held by these researchers within the framework of master degrees that can be obtained at universities: the European Master in Lexicography – Erasmus Mundus Joint Master Degree (with two open lectures at the Universidade do Minho, Portugal) and the Introduction to Digital Humanities (University Vienna, Austria). Last but not least, ELEXIS researchers participated in an exhibition, the Long Night of Research 2022 (Lange Nacht der Forschung), which takes place every two years in locations all over Austria: Researchers are invited to present their ongoing work and projects across various scientific disciplines to the general public. Hence, ELEXIS researchers participated in the 2022 onsite event with an ELEXIS booth.

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[3] Categories of events per type according to the ECAS portal: Participation in a conference, participation in a workshop, participation in an event other than a conference or a workshop, organisation of a conference, organisation of a workshop, video/film, press release, training, participation in activities organised jointly with other EU projects, non-scientific and non-peer-reviewed publication, exhibition, flyer, communication campaigns, brokerage event, pitch event, trade fair, other.

Number of attended events per type in year 4

(according to the ECAS portal)
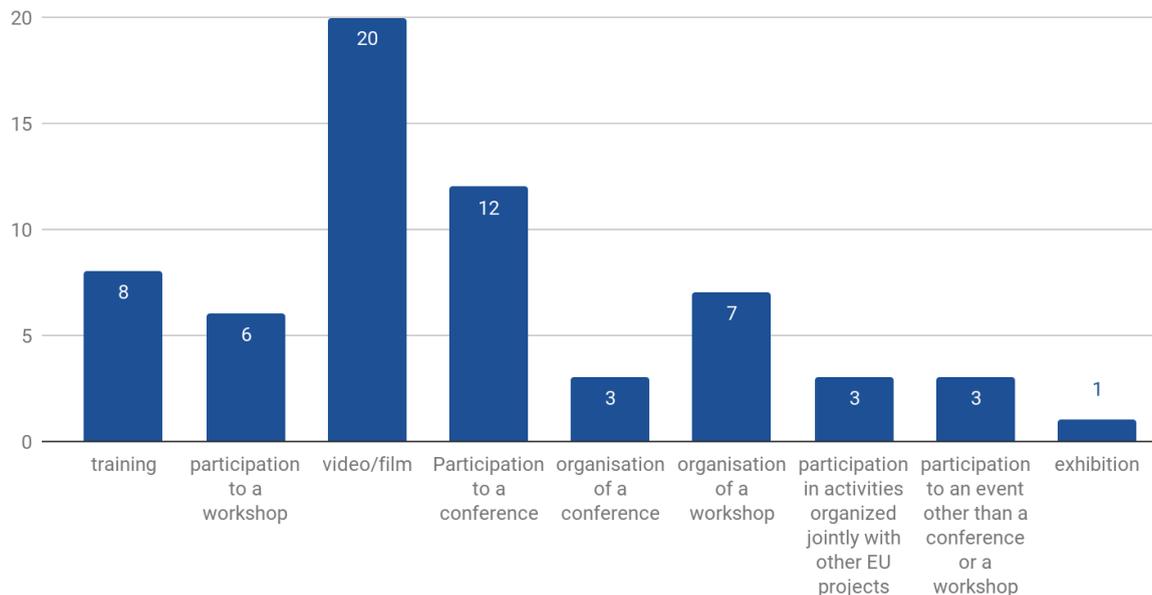
Figure 8: Number of attended events per type in year 4 according to the ECAS portal

The number of people reached at these events is visualised in Figure 9 below: The vast majority of people reached includes the scientific community. However, at the SSH Industry Outreach Event, representatives from the industry could be reached. Additionally, we reached out to and are in contact with various representatives of companies, thanks to the LexMeet community: we count various companies among the members of the LexMeet platform, such as AIMEN Technology Centre, Kielikone Oy or Oxford University Press.

In addition, ELEXIS was able to reach out to the General Public due to the participation in the Long Night of Research 2022.

Number of people reached at events per type according to the participant portal

February 2021 - July 20, 2022
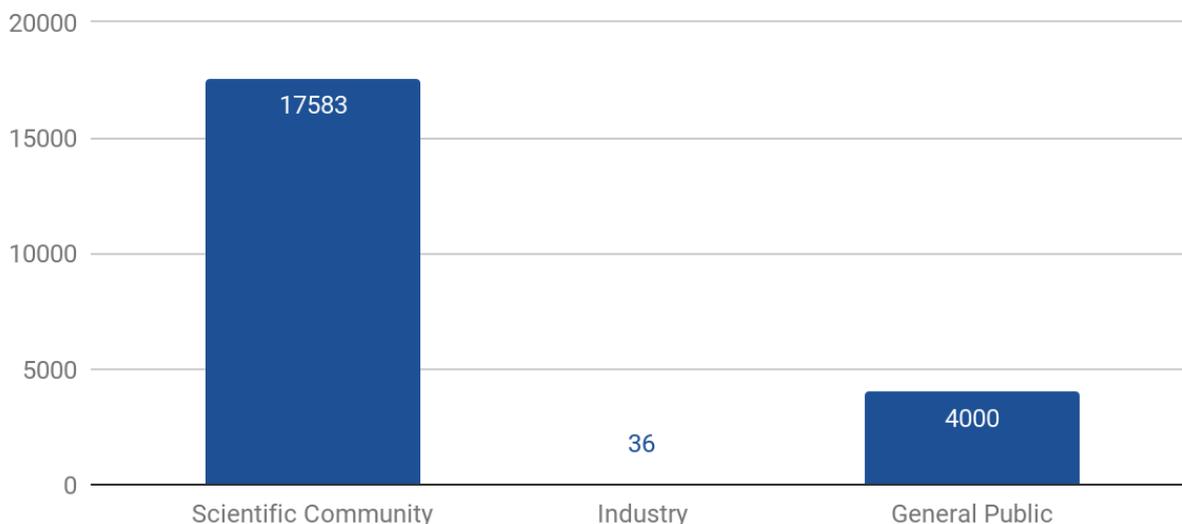
Figure 9: Number of people reached at attended events in year 4

5.4.4 Evaluation of Scientific Output

Hereinafter, we will relate to the objectives regarding scientific output that were described in the Grant Agreement. However, it is not always easy to assign an article or conference paper to a single objective, because there may be some overlap. Thus, multiple assignments were possible. The numbers might still change slightly for the final reporting. A full list of publications (export from the ECAS portal) can be found in the Appendix. Figure 10 below provides an overview of the growing number of publications in the course of the project, from 2018 - 2022.
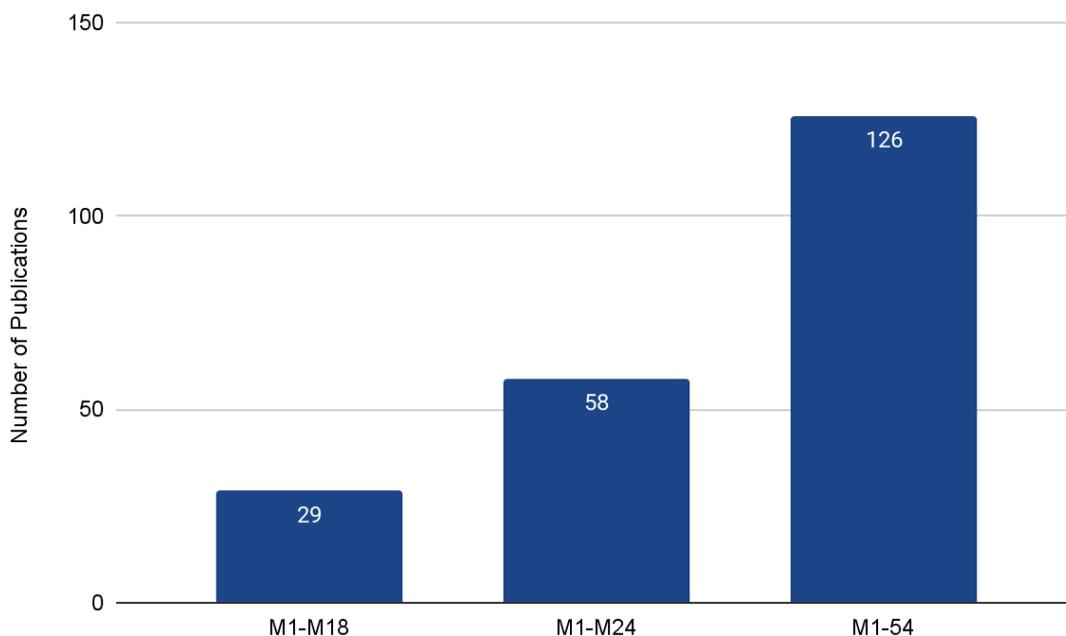
Figure 10: Growth of the Number of Publications over time (2018 - 2022)

OBJECTIVE 2 To establish common standards and solutions for the development of lexicographic resources		
Target outcome	**Indicator**	**Target**
[...]	[...]	[...]
Scientific output on standardisation in lexicography	Number of scientific journal articles	< 3 (not satisfactory) > 3 (satisfactory)
	Number of scientific conference papers	< 15 (not satisfactory) > 15 (satisfactory)

Table 8: Excerpt of Objective 2

We have 21 and 2 publications related to Objective 2 (see Table 8 above) in the ELEXIS community and 2 that are not yet in the ELEXIS community: 3 scientific journal articles related to objective 2 which is '*satisfactory*' and more than 15 conference papers, which is '*satisfactory*'.

OBJECTIVE 3		
To develop strategies, tools and standards for the extracting, structuring and linking of lexicographic resources		
Target outcome	**Indicator**	**Target**
[...]	[...]	[...]
Scientific output on linking in lexicography	Number of scientific journal articles	< 5 (not satisfactory) > 5 (satisfactory)
	Number of scientific conference papers	< 25 (not satisfactory) > 25 (satisfactory)

Table 9: Excerpt of Objective 3

We have [75] and [7] publications related to Objective 3 (see Table 9).

From these publications, there are more than 5 journal articles, which is '*satisfactory'* and more than 50 conference papers, which is more than '*satisfactory'*.

OBJECTIVE 4		
To enable access to standards, methods, lexicographic data and tools for scientific communities, industries and other stakeholders		
Target outcome	**Indicator**	**Target**
[...]	[...]	[...]
Scientific output on automatic creation of lexicographic content (dictionary-on-the-fly)	Number of scientific journal articles	< 5 (not satisfactory) > 5 (satisfactory)
	Number of scientific conference papers	< 25 (not satisfactory) > 25 (satisfactory)

Table 10: Excerpt of Objective 4

We have [32] publications related to Objective 4 on Zenodo (see Table 10). We have 6 scientific articles related to objective 4 which is '*satisfactory'*: [5] on Zenodo and one publication that is not on Zenodo: Iztok Kosem, Kristina Koppel, Tanara Zingano Kuhn, Jan Michelfeit, Carole Tiberius (2018). Identification and automatic extraction of good dictionary examples: the case(s) of GDEX. International Journal of Lexicography, 32/2.

The rest of the publications are conference papers and presentations and one other publication which is '*satisfactory'*.

5.4.5 Final Remarks & Conclusions

WP7 was tasked with obtaining the targets described in Tables 2 (i.e. Objective 1) and 2a (i.e. Excerpt of objectives 2, 3 and 4 that apply to WP7). Table 11 below summarises the target outcomes that apply to WP7: The work package reached all of the target outcomes, all objectives are met and therefore '*satisfactory*'.

OBJECTIVE 1:
To foster cooperation and knowledge exchange between different research communities in lexicography

Target outcome	Indicator	Target	Evaluation
Attendance at ELEXIS training events	Number of registrations per event	<= 40 (not satisfactory) >= 40 (satisfactory)	satisfactory
Attendance at ELEXIS community building events	Number of registrations per event	<= 100 (not satisfactory) >= 100 (satisfactory)	satisfactory
Social media engagement	Number of followers (end of project)	<= 5000 (not satisfactory) >= 5000 (satisfactory)	satisfactory
Promotional activities	Website analytics (after M24) - daily visits	<= 50 (not satisfactory) >= 50 (satisfactory)	satisfactory

OBJECTIVE 2:
To establish common standards and solutions for the development of lexicographic resources

Target outcome	Indicator	Target	Evaluation
Scientific output on standardisation in lexicography	Number of scientific journal articles	< 3 (not satisfactory) > 3 (satisfactory)	satisfactory
	Number of scientific conference papers	< 15 (not satisfactory) > 15 (satisfactory)	satisfactory

OBJECTIVE 3 :
To develop strategies, tools and standards for the extracting, structuring and linking of lexicographic resources

Target outcome	Indicator	Target	Evaluation
Scientific output on linking in lexicography	Number of scientific journal articles	< 5 (not satisfactory) > 5 (satisfactory)	satisfactory
	Number of scientific conference papers	< 25 (not satisfactory) > 25 (satisfactory)	satisfactory

OBJECTIVE 4: To enable access to standards, methods, lexicographic data and tools for scientific communities, industries and other stakeholders			
Target outcome	**Indicator**	**Target**	**Evaluation**
Scientific output on automatic creation of lexicographic content (dictionary-on-the-fly)	Number of journal articles	< 5 (not satisfactory) > 5 (satisfactory)	satisfactory
	Number of conference papers	< 25 (not satisfactory) > 25 (satisfactory)	satisfactory

Table 11: Evaluation of Target Outcomes that apply to WP7

In the ELEXIS project, we made a huge effort to establish and maintain various communication channels and to build a growing community around them.
In terms of sustainability, some of the ELEXIS communication channels (e.g. twitter and facebook accounts) will be reused for the ELEXIS-KC (CLARIN Knowledge Centre for Lexicography) which is in the process of being established and was presented at the ELEXIS Showcase event (see presentation recordings and slides on "Post-ELEXIS and Sustainability" by Simon Krek). Hence, the project consortium seeks to maintain the Facebook and Twitter social media accounts for future dissemination and outreach activities as well as the Lexmeet platform.

Appendix

List of publications

On the subsequent pages we provide a full list of publications that were published by ELEXIS EU project members in the course of the project, from February 2018 until the end of July 2022.

Publications for Project 731015

<table>
<tr><td colspan="11" align="center">Publications</td></tr>
<tr><td>No.</td><td>Type</td><td>Title</td><td>Authors</td><td>Title of the Journal/Proc./Book</td><td>Number, date or freq. of the Journal/Proc./Book</td><td>Is Peer-reviewed?</td><td>Is Open Access?</td><td>DOI</td><td>Repository Link</td></tr>
<tr><td>1</td><td>Publication in Conference proceedings/Workshop</td><td>European Lexicographic Infrastructure (ELEXIS)</td><td>Krek, Simon; Kosem, Iztok; McCrae, John; Navigli, Roberto; Pedersen, Bolette S.; Tiberius, Carole; Wissik, Tanja</td><td>Proceedings of the XVIII EURALEX International Congress: Lexicography in Global Contexts (EURALEX 2018), Ljubljana, Slovenia, 17-21 July 2018</td><td>2</td><td>Yes</td><td>Gold</td><td>10.5281/zenodo.1435470</td><td>https://zenodo.org/record/1435470</td></tr>
<tr><td>2</td><td>Publication in Conference proceedings/Workshop</td><td>Collocations Dictionary of Modern Slovene</td><td>Kosem, Iztok; Krek, Simon; Gantar, Polona; Arhar Holdt, Špela; Čibej, Jaka; Laskowski, Cyprian</td><td>Proceedings of the XVIII EURALEX International Congress: Lexicography in Global Contexts (EURALEX 2018), Ljubljana, Slovenia, 17-21 July 2018</td><td>1</td><td>Yes</td><td>Gold</td><td>10.4312/9789610600961</td><td>https://zenodo.org/record/1435448</td></tr>
<tr><td>3</td><td>Publication in Conference</td><td>On Lexicographical Networks</td><td>Sina Ahmadi; Mihael Arcan; John McCrae</td><td></td><td>1</td><td>Yes</td><td>Gold</td><td>10.5281/zenodo.3266919</td><td>https://zenodo.org/record/3266920</td></tr>
<tr><td>4</td><td>Publication in Conference</td><td>An Integrated Formal Representation for Terminological and Lexical Data included in Classification Schemes</td><td>Declerck, Thierry; Egorova, Kseniya; Schnur, Eileen</td><td></td><td>1</td><td>Yes</td><td>Gold</td><td>10.5281/zenodo.3341351</td><td>https://zenodo.org/record/3341351</td></tr>
</table>

5	Publication in Conference	TIAD Shared Task 2019: Orthonormal Explicit Topic Analysis for Translation Inference across Dictionaries	John P. McCrae		1	Yes	Gold	10.5281/zenodo.3266903	https://zenodo.org/record/3266904
6	Publication in Conference	ELEXIS - European Lexicographic Infrastructure: Contributions to and from the Linguistic Linked Open Data	Declerck, Thierry; McCrae, John; Navigli, Roberto; Zaytseva, Ksenia; Wissik, Tanja		1	Yes	Gold	10.5281/zenodo.2599927	https://zenodo.org/record/2599927
7	Publication in Conference	Using OntoLex-Lemon for Representing and Interlinking German Multiword Expressions in OdeNet and MMORPH	Declerck, Thierry; Siegel, Melanie; Racioppa, Stefania		1	Yes	Gold	10.5281/zenodo.3342145	https://zenodo.org/record/3342145
8	Publication in Conference	Towards a Linked Lexical Data Cloud based on OntoLex-Lemon	Declerck, Thierry		1	Yes	Gold	10.5281/zenodo.3341669	https://zenodo.org/record/3341669
9	Publication in Conference	Inferring translation candidates for multilingual dictionary generation	Mihael Arcan; Daniel Torregrosa; Sina Ahmadi; John P. McCrae		1	Yes	Gold	10.5281/zenodo.3266897	https://zenodo.org/record/3266898

10	Publication in Conference	TEI Lex-0: A Target Format for TEI-Encoded Dictionaries and Lexical Resources	Romary, Laurent; Tasovac, Toma		1	Yes	Gold	[10.5281/zenodo.2613594](#)	https://zenodo.org/record/2613594
11	Publication in Conference	Natural Language Understanding: Instructions for (Present and Future) Use	Roberto Navigli	Proceedings of the Twenty-Seventh International Joint Conference on Artificial Intelligence		Yes	Gold	[10.24963/ijcai.2018/812](#)	https://zenodo.org/record/2603072
12	Publication in Conference	ELEXIS - a European infrastructure fostering cooperation and information exchange among lexicographical research communities	Bolette Pedersen; John McCrae; Carole Tiberius; Simon Krek		9	Yes	Gold	[10.5281/zenodo.2599954](#)	https://zenodo.org/record/2599954
13	Publication in Conference	Lexical Sense Alignment using Weighted Bipartite b-Matching	Sina Ahmadi; Mihael Arcan; John McCrae		1	Yes	Gold	[10.5281/zenodo.3266905](#)	https://zenodo.org/record/3266906
14	Publication in Conference	Mapping WordNet Instances to Wikipedia	John P. McCrae		5	Yes	Gold	[10.5281/zenodo.2599947](#)	https://zenodo.org/record/2599948
15	Publication in Conference	Improving Wordnets for Under-Resourced Languages Using Machine Translation information	Bharathi Raja Chakravarthi; Mihael Arcan; John P. McCrae		5	Yes	Gold	[10.5281/zenodo.2599951](#)	https://zenodo.org/record/2599952

16	Publication in Conference	One Language to rule them all: Modelling Morphological Patterns in a Large Scale Italian Lexicon with SWRL	Khan, Fahad; Bellandi, Andrea; Frontini, Francesca; Monachini, Monica	Proceedings of the 11th International Conference on Language Resources and Evaluation - LREC2018, 2018, Miyazaki, Japan	5	Yes	Gold		https://hal.archives-ouvertes.fr/hal-01832652/file/844.pdf
17	Publication in Conference	Representing Arabic Lexicons in Lemon - a Preliminary Study	Mustafa Jarrar; Hamzeh Amayreh; John McCrae		4	Yes	Gold	10.5281/zenodo.3266885	https://zenodo.org/record/3266886
18	Publication in Conference	Towards a Crowd-Sourced WordNet for Colloquial English	John P. McCrae; Ian Wood; Amanda Hicks		3	Yes	Gold	10.5281/zenodo.2599949	https://zenodo.org/record/2599950
19	Publication in Conference	TIAD 2019 Shared Task: Leveraging Knowledge Graphs with Neural Machine Translation for Automatic Multilingual Dictionary Generation	Daniel Torregrosa; Mihael Arcan; Sina Ahmadi; John P. McCrae		2	Yes	Gold	10.5281/zenodo.3266899	https://zenodo.org/record/3266900
20	Publication in Conference	Comparison of Different Orthographies for Machine Translation of Under-Resourced Dravidian Languages	Bharathi Raja Chakravarthi; Mihael Arcan; John P. McCrae		1	Yes	Gold	10.4230/OASIcs.LDK.2019.6	https://zenodo.org/record/3266918

21	Publication in Conference	Multilingual Multimodal Machine Translation for Dravidian Languages utilizing Phonetic Transcription	Bharathi Raja Chakravarthi; Ruba Priyadharshini; Bernardo Stearns; Arun Jayapal; S Srivedy; Mihael Arcan; Manel Zarrouk; John P. McCrae		1	Yes	Gold	[10.18653/v1/w19-6809](https://...)	https://zenodo.org/record/3379683
22	Publication in Conference	WordNet Gloss Translation for Under-resourced Languages using Multilingual Neural Machine Translation	Bharathi Raja Chakravarthi; Mihael Arcan; John P. McCrae		1	Yes	Gold	[10.18653/v1/w19-7101](https://...)	https://zenodo.org/record/3379681
23	Publication in Conference	Identification of Adjective-Noun Neologisms using Pretrained Language Models	John Philip McCrae	Proceedings of the Joint Workshop on Multiword Expressions and WordNet (MWE-WN 2019)		Yes	Gold	[10.18653/v1/w19-5116](https://...)	https://zenodo.org/record/3379685
24	Article in Journal	An overview of word and sense similarity	Roberto Navigli, Federico Martelli	Natural Language Engineering		Yes	Green	[10.1017/S1351324919000305](https://...)	https://zenodo.org/record/3378689
25	Publication in Conference	Adapting Term Recognition to an Under-Resourced Language: the Case of Irish	John P. McCrae; Adrian Doyle		1	Yes	Gold	[10.18653/v1/w19-6907](https://...)	https://zenodo.org/record/3379679
26	Publication in Conference	English WordNet 2019 -- An Open-Source WordNet for English	John P. McCrae; Alexandre Rademaker; Francis Bond; Ewa Rudnicka; Christiane Fellbaum		1	Yes	Gold	[10.5281/zenodo.3379700](https://...)	https://zenodo.org/record/3379701

27	Publication in Conference	A Character-Level LSTM Network Model for Tokenizing the Old Irish text of the Würzburg Glosses on the Pauline Epistles	Adrian Doyle; John P. McCrae; Clodagh Downey		1	Yes	Gold	10.18653/v1/w19-6910	https://zenodo.org/record/3379675
28	Publication in Conference	SWRL your lexicon: adding inflectional rules to a LOD Dataset	Khan, Anas Fahad; Bellandi, Andrea; Frontini, Francesca; Monachini, Monica	Proceedings of Euralex2018	1	Yes	Gold	10.5281/zenodo.3606450	https://zenodo.org/record/3606450
29	Publication in Conference	Towards the Representation of Etymological and Diachronic Lexical Data on the SemanticWeb	Khan, Anas Fahad	Proceedings of 6th Workshop on Linked Data in Linguistics at LREC2018	1	Yes	Gold	10.5281/zenodo.3606477	https://zenodo.org/record/3606477
30	Publication in Conference	The ELEXIS Interface for Interoperable Lexical Resources	McCrae, John P.; Tiberius, Carole; Khan, Anas Fahad; Kernerman, Ilan; Declerck, Thierry; Krek, Simon; Monachini, Monica; Ahmadi, Sina	Proceedings of eLex2019	1	Yes	Gold	10.5281/zenodo.3518958	http://hdl.handle.net/10379/15512
31	Publication in Conference	Lexicography and the Semantic Web: A Demo with LexO	Andrea Bellandi; Anas Fahad Khan	Proceedings of eLex2019	1	Yes	Gold	10.5281/zenodo.3630447	https://zenodo.org/record/3630447
32	Publication in Conference	Towards Electronic Lexicography for the Kurdish Language	Ahmadi, Sina; Hassani, Hossein; McCrae, John P.	Proceedings of eLex2019	1	Yes	Gold	10.5281/zenodo.3518950	http://hdl.handle.net/10379/15513

33	Publication in Conference	Aggregating Dictionaries into the Language Portal Sõnaveeb: Issues With and Without Solutions	Koppel, Kristina; Tavast, Arvi; Langemets, Margit; Kallas, Jelena	Proceedings of eLex2019	1	Yes	Gold	10.5281/zenodo.3612930	https://zenodo.org/record/3612931
34	Publication in Conference	LeXmart: A Smart Tool for Lexicographers	Simões, A.; Salgado, A.; Costa, R.; Almeida, J.	Proceedings of eLex2019	1	Yes	Gold	10.5281/zenodo.3664454	https://zenodo.org/record/3664455
35	Publication in Conference	Towards a Global Lexicographic Infrastructure	Simon Krek; Thierry Declerck; John Philip McCrae; Tanja Wissik	Proceedings of Language Technology 4 All Conference 2019	1	Yes	Gold	10.5281/zenodo.3607273	https://zenodo.org/record/3607274
36	Publication in Conference	SkELL corpora as a part of the language portal Sõnaveeb: problems and perspectives	Koppel, Kristina; Kallas, Jelena; Khokhlova, Maria; Suchomel, Vít; Baisa, Vít; Michelfeit, Jan	Proceedings of eLex2019	1	Yes	Gold	10.5281/zenodo.3612932	https://zenodo.org/record/3612933
37	Publication in Conference	LMF Reloaded	Romary, Laurent; Khemakhem, Mohamed; Khan, Fahad; Bowers, Jack; Calzolari, Nicoletta; George, Monte; Pet, Mandy; Bański, Piotr	AsiaLex 2019: Past, Present and Future, Jun 2019, Istanbul, Turkey	1	Yes	Gold	10.5281/zenodo.3606433	https://hal.inria.fr/hal-02118319
38	Publication in Conference	Towards the Detection and Formal Representation of Semantic Shifts in Inflectional Morphology	Thierry Declerck; Dagmar Gromann	Proceedings of LDK2019	1	Yes	Gold	10.4230/oasics.ldk.2019.21	https://zenodo.org/record/3341032
39	Publication in Conference	Enhancing Lexicography by Means of the Linked Data Paradigm: LexOfor CLARIN	Andrea Bellandi; Anas Fahad Khan; Monica Monachini	Proceedings of CLARIN Annual Conference 2019	1	Yes	Gold	10.5281/zenodo.3630426	https://zenodo.org/record/3630427

40	Publication in Conference	TEI Lex-0 In Action: Improving the Encoding of the Dictionary of the Academia das Ciências de Lisboa	Salgado, A; Costa, R.; Tasovac, T; Simões, A.	Proceedings of eLex2019	1	Yes	Gold	[10.5281/zenodo.3629884](#)	https://zenodo.org/record/3629885
41	Publication in Conference	Automati ng Dictionary Production: a Tagalog-English-Korean Dictionary from Scratch	Vít Baisa; Marek Blahuš; Michal Cukr; Ondřej Herman; Miloš Jakubíček; Marek Medveď; Michal Měchura; Pavel Rychlý; Vít Suchomel	Proceedings of eLex2019	1	Yes	Gold	[10.5281/zenodo.3691445](#)	https://zenodo.org/record/3691445
42	Publication in Conference	SyntagNet: Challenging Supervised Word Sense Disambiguation with Lexical-Semantic Combinations	Marco Maru, Federico Scozzafava, Federico Martelli, Roberto Navigli	Proceedings of the 2019 Conference on Empirical Methods in Natural Language Processing and the 9th International Joint Conference on Natural Language Processing (EMNLP-IJCNLP)		Yes	Gold	[10.18653/v1/D19-1359](#)	https://zenodo.org/record/3630074
43	Publication in Conference	VerbAtlas: a Novel Large-Scale Verbal Semantic Resource and Its Application to Semantic Role Labeling	Andrea Di Fabio, Simone Conia, Roberto Navigli	Proceedings of the 2019 Conference on Empirical Methods in Natural Language Processing and the 9th International Joint Conference on Natural Language Processing (EMNLP-IJCNLP)		Yes	Gold	[10.18653/v1/D19-1058](#)	https://zenodo.org/record/3569236

44	Publication in Conference	Challenges for the Representations for Morphology in Ontology Lexicons	Klimek, Bettina; McCrae, John P.; Ionov, Maxim; Tauber, James K.; Chiarcos, Christian; Bosque-Gil, Julia; Buitelaar, Paul	Proceedings of eLex2019	1	Yes	Gold	[10.5281/zenodo.3518945](#)	https://zenodo.org/record/3518946
45	Publication in Conference	Linguistic Linked Open Data for All	John P. McCrae; Thierry Declerck	Proceedings of Language Technology 4 All Conference 2019	1	Yes	Gold	[10.5281/zenodo.3607272](#)	https://zenodo.org/record/3607272
46	Publication in Conference	Results of the Translation Inference Across Dictionaries 2019 Shared Task	Jorge Gracia; Besim Kabashi; Ilan Kernerman; Marta Lanau-Coronas; Dorielle Lonke		1	Yes	Gold	[10.5281/zenodo.3555155](#)	https://zenodo.org/record/3555155
47	Publication in Conference	Validating the OntoLex-lemon lexicography module with K Dictionaries' multilingual data	Julia Bosque-Gil, Dorielle Lonke, Jorge Gracia, & Ilan Kernerman	Proceedings of eLex2019		Yes	Gold	[10.5281/zenodo.3462317](#)	https://doi.org/10.5281/zenodo.3462317
48	Publication in Conference	Lexicographic Practices in Europe: Results of the ELEXIS Survey on User Needs	Jelena Kallas, Svetal Koeva, Margit Langemets, Carole Tiberius & Iztiok Kosem	Proceedings of eLex2019		Yes	Gold	[10.5281/zenodo.3726841](#)	https://doi.org/10.5281/zenodo.3726841
49	Publication in Conference	ELEXIFINDER: A Tool for Searching Lexicographic Scientific Output	Kosem, Iztok; Krek, Simon	Proceedings of eLex2019	1	Yes	Gold	[10.5281/zenodo.3726835](#)	https://zenodo.org/record/3726835

50	Publication in Conference	Converting and Structuring a Digital Historical Dictionary of Italian: A Case Study	Sassolini, Eva; Khan, Anas Fahad; Biffi, Marco; Monachini, Monica; Montemagni, Simonetta	Proceedings of eLex2019	1	Yes	Gold	10.5281/zenodo.3726847	https://zenodo.org/record/3726847
51	Publication in Conference	Porting a Crowd-Sourced German Lexical Semantics Resource to Ontolex-Lemon	Declerck, Thierry; Siegl, Melanie	Proceedings of eLex2019	1	Yes	Gold	10.5281/zenodo.3726865	https://zenodo.org/record/3726865
52	Article in Journal	Marcas temáticas en los diccionarios académicos ibéricos: estudio comparativo	Ana Salgado, Rute Costa	RILEX. Revista sobre investigaciones léxicas	2/2	Yes	Gold	10.17561/rilex.v2.n2.2	10.5281/zenodo.3664721
53	Article in Journal	Improving the consistency of usage labelling in dictionaries with TEI Lex-0	Ana Salgado, Rute Costa, Toma Tasovac	Lexicography	6/2	Yes	No	10.1007/s40607-019-00061-x	https://doi.org/10.1007/s40607-019-00061-x
54	Article in Journal	Linking Datasets Using Semantic Textual Similarity	John P. McCrae, Paul Buitelaar	Cybernetics and Information Technologies	18/1	Yes	Gold	10.2478/cait-2018-0010	https://www.researchgate.net/publication/324014436_Linking_Datasets_Using_Semantic_Textual_Similarity
55	Article in Journal	Identification and automatic extraction of good dictionary examples: the case(s) of GDEX	Iztok Kosem, Kristina Koppel, Tanara Zingano Kuhn, Jan Michelfeit, Carole Tiberius	International Journal of Lexicography	32/2	Yes	No	https://doi-org.uaccess.univie.ac.at/10.1093/ijl/ecy014	

56	Book/Monograph	Proceedings of the LREC 2018 Workshop "6th Workshop on Linked Data in Linguistic: (LDL-2018)	ohn P. McCrae, Christian Chiarcos, Thierry Declerck, Jorge Gracia, Bettina Klimek			Yes	Gold	10.5281/zenodo.2599900	
57	Publication in Conference	Merging DanNet with Princeton Wordnet	Pedersen, B. S.; Nimb, S.; Olsen, I. R.; Olsen, S.	Proceedings of Global Wordnet Conference 2019 (GWC2019)		Yes	Gold	10.5281/zenodo.3463358	
58	Publication in Conference	Towards a Representation of Citations in Linked Data Lexical Resources	Khan, Anas Fahad; Boschetti, Federico	Proceedings of Euralex 2018		Yes	Gold	10.5281/zenodo.3606469	
59	Publication in Conference	Some Issues with Building a Multilingual Wordnet	Francis Bond; Luis Morgado da Costa; Michael Wayne Goodman; John P. McCrae; Ahti Lohk	Some Issues with Building a Multilingual Wordnet	1	Yes	Gold	10.5281/zenodo.3842645	https://zenodo.org/record/3842645
60	Publication in Conference	Crowd-Sourcing A High-Quality Dataset for Metaphor Identification in Tweets	Omnia Zayed; John P. McCrae; Paul Buitelaar	Crowd-Sourcing A High-Quality Dataset for Metaphor Identification in Tweets	1	Yes	Gold	10.4230/oasics.ldk.2019.10	https://zenodo.org/record/3266916
61	Publication in Conference	Challeng es of Word Sense Alignment: Portuguese Language Resources	Ana Salgado; Sina Ahmadi; Alberto Simões; John Philip McCrae; Rute Costa	Challenges of Word Sense Alignment: Portuguese Language Resources	1	Yes	Gold	10.5281/zenodo.3842635	https://zenodo.org/record/3842635

62	Publication in Conference	A Multilingual Evaluation Dataset for Monolingual Word Sense Alignment	P. McCrae; Sanni Nimb; Thomas Troelsgård; Sussi Olsen; Bolette S. Pedersen; Thierry Declerck; Tanja Wissik; Monica Monachini; Andrea Bellandi; Fahad Khan; Irene Pisani; Simon Krek; Veronika Lipp; Tamás Váradi; László Simon; András Győrffy; Carole Tiberius; Tanneke Schoonheim; Yifat Ben Moshe; Maya Rudich; Raya Abu Ahmad; Dorielle Lonke; Kira Kovalenko; Margit Langemets; Jelena Kallas; Oksana Dereza; Theodorus Fransen; David Cillessen; David Lindemann; Mikel Alonso; Ana Salgado; José Luis Sancho; Rafael-J.		1	Yes	Gold	10.5281/zenodo.3842647	https://zenodo.org/record/3842647
63	Publication in Conference	English WordNet 2020: Improving and Extending a WordNet for English using an Open-Source Methodology	John Philip McCrae; Alexandre Rademaker; Ewa Rudnicka; Francis Bond		1	Yes	Gold	10.5281/zenodo.3842637	https://zenodo.org/record/3842637

64	Publication in Conference	On the Linguistic Linked Open Data Infrastructure	Christian Chiarcos; Bettina Klimek; Christian Fäth; Thierry Declerck; John P. McCrae		1	Yes	Gold	[10.5281/zenodo.3842623](#)	https://zenodo.org/record/3842623
65	Publication in Conference	A Sentiment Analysis Dataset for Code-Mixed Malayalam-English	Bharathi Raja Chakravarthi; Navya Jose; Shardul Suryawanshi; Elizabeth Sherly; John Philip McCrae		1	Yes	Gold	[10.5281/zenodo.3842639](#)	https://zenodo.org/record/3842639
66	Publication in Conference	Corpus Creation for Sentiment Analysis in Code-Mixed Tamil-English Text	Bharathi Raja Chakravarthi; Vigneshwaran Muralidaran; Ruba Priyadharshini; John Philip McCrae		1	Yes	Gold	[10.5281/zenodo.3842641](#)	https://zenodo.org/record/3842641
67	Publication in Conference	Modelling Frequency and Attestations for OntoLex-Lemon	Christian Chiarcos; Maxim Ionov; Jesse de Does; Katrien Depuydt; Anas Fahad Khan; Sander Stolk; Thierry Declerck; John Philip McCrae		1	Yes	Gold	[10.5281/zenodo.3842633](#)	https://zenodo.org/record/3842633
68	Publication in Conference	A Comparative Study of Different State-of-the-Art Hate Speech Detection Methods in Hindi-English Code-Mixed Data	Priya Rani; Shardul Suryawanshi; Koustava Goswami; Bharathi Raja Chakravarthi; Theodorus Fransen; John Philip McCrae		1	Yes	Gold	[10.5281/zenodo.3842627](#)	https://zenodo.org/record/3842627

69	Publication in Conference	Implementation of Supervised Training Approaches for Monolingual Word Sense Alignment: ACDH-CH System Description for the MWSA Shared Task at GlobaLex 2020	Bajcetic, Lenka; Yim, Seung-bin		1	Yes	Gold	10.5281/zenodo.3886753	https://zenodo.org/record/3886753
70	Publication in Conference	Adding Pronunciation Information to Wordnets	Declerck, Thierry; Bajcetic, Lenka; Siegel, Melanie		1	Yes	Gold	10.5281/zenodo.3886952	https://zenodo.org/record/3886952
71	Publication in Conference	Personalized PageRank with Syntagmatic Information for Multilingual Word Sense Disambiguation	Scozzafava, Federico; Maru, Marco; Brignone, Fabrizio; Torrisi, Giovanni; Navigli, Roberto			Yes	Gold	10.5281/zenodo.3933102	https://zenodo.org/record/3933102
72	Other	English WordNet: A new open-source WordNet for English	John P. McCrae; Ewa Rudnicka; Francis Bond	K Lexical News 28 37-44		No	Gold	10.5281/zenodo.4382320	https://zenodo.org/record/4382320
73	Publication in Conference	Personalized PageRank with Syntagmatic Information for Multilingual Word Sense Disambiguation	Federico Scozzafava, Marco Maru, Fabrizio Brignone, Giovanni Torrisi, Roberto Navigli	Proceedings of the 58th Annual Meeting of the Association for Computational Linguistics: System Demonstrations		Yes	Green	10.18653/v1/2020.acl-demos.6	https://www.aclweb.org/anthology/2020.acl-demos.6.pdf

74	Publication in Conference	Towards an Extension of the Linking of the Open Dutch WordNet with Dutch Lexicographic Resources	Declerck, Thierry	Proceedings of Globalex Workshop at LREC2020		Yes	Green	10.5281/zenodo.3895200	https://zenodo.org/record/3895201
75	Publication in Conference	XL-AMR: Enabling Cross-Lingual AMR Parsing with Transfer Learning Techniques	Rexhina Blloshmi, Rocco Tripodi, Roberto Navigli	Proceedings of the 2020 Conference on Empirical Methods in Natural Language Processing (EMNLP)		Yes	Gold	10.18653/v1/2020.emnlp-main.195	https://zenodo.org/record/4543318
76	Publication in Conference	Using OntoLex-Lemon for Representing and Interlinking German Multiword Expressions in OdeNet and MMORPH	Stefania Racioppa; Melanie Siegel; Thierry Declerck	MWE-WN@ACL	7	Yes	Gold	10.5281/zenodo.3372464	https://zenodo.org/record/3372464
77	Publication in Conference	Towards Automatic Linking of Lexicographic Data: the case of a historical and a modern Danish dictionary	Sina Ahmadi; Sanni Nimb; Thomas Troelsgård; John P. McCrae; Nicolai H. Sørensen	Proceedings of Euralex 2020		Yes	Gold	10.5281/zenodo.4382383	https://zenodo.org/record/4382383
78	Publication in Conference	Lexicographic Practices in Europe: Results of the ELEXIS Survey on User Needs	Kallas, Jelena; Koeva, Svetla; Langemets, Margit; Tiberius, Carole; Kosem, Iztok			Yes	Gold	10.5281/zenodo.3613113	https://zenodo.org/record/3613114

79	Publication in Conference	Modelling Etymology in LMF/TEI: The 'Grande Dicionário Houaiss da Língua Portuguesa' Dictionary as a Use Case.	Khan, Fahad; Romary, Laurent; Salgado, Ana; Bowers, Jack; Khemakhem, Mohamed; Tasovac, Toma	Proceedings of LREC2020		Yes	Gold	10.5281/zenodo.4453100	https://zenodo.org/record/4453100
80	Publication in Conference	One Language to rule them all: Modelling Morphological Patterns in a Large Scale Italian Lexicon with SWRL	Khan, Fahad; Bellandi, Andrea; Frontini, Francesca; Monachini, Monica	Proceedings of the 11th International Conference on Language Resources and Evaluation - LREC2018		Yes	Gold		https://hal.archives-ouvertes.fr/hal-01832652
81	Publication in Conference	Skema: A New Tool for Corpus-driven Lexicography	Baisa, Vit; Tiberius, Carole; Ježek Elisabetta; Colman, Lut; Marini, Costanza; Romani, Emma	Proceedings of EURALEX XIX		Yes	Gold	10.5281/zenodo.4455247	https://zenodo.org/record/4455247#.YFCts81KhPY
82	Publication in Conference	Interlinking Slovene Language Datasets	Lenka Bajčetić; Thierry Declerck	Proceedings EURALEX XIX		Yes	Gold	10.5281/zenodo.4459107	https://zenodo.org/record/4459107#.YFCvDM1KhPY
83	Publication in Conference	NUIG-Panlingua-KMI Hindi↔Marathi MT Systems for SimilarLanguage Translation Task @ WMT 2020	Atul Kr. Ojha; Priya Rani; Akanksha Bansal; Bharathi Raja Chakravarthi; Ritesh Kumar; John P. McCrae	Proceedings of Fifth Conference on Machine Translation (WMT20)		Yes	Gold	10.5281/zenodo.4320715	https://zenodo.org/record/4320715#.YFCwHs1KhPY
84	Publication in Conference	Stimulating Knowledge Exchange via Trans-national Access – the ELEXIS Travel Grants as a Lexicographical Use Case	Olsen, Sussi; Pedersen, Bolette S.; Wissik, Tanja; Woldrich, Anna; Krek, Simon	Proceedings CLARIN Annual Conference 2020		Yes	Gold	10.5281/zenodo.4607999	

85	Other	ELEXIS: Technical and social infrastructure for lexicography	Woldrich, Anna; Goli, Teja; Kosem, Iztok; Matuška, Ondřej; Wissik, Tanja	K Lexical News	28	No	Gold	10.5281/zenodo.4607957	
86	Publication in Conference	"Game of Words": Play the Game, Clean the Database	Š. Arhar Holdt , N. Logar , E. Pori, I. Kosem.	Proceedings EURALEX 2020		Yes	Gold		
87	Publication in Conference	Using an Infrastructure for Lexicography in the Field of Terminology	Wissik, Tanja; Declerck, Thierry	Proceedings TOTh 2019		Yes	Gold	10.5281/zenodo.4608109	
88	Publication in Conference	A good TACTIC for lexicographical work: football terms encoded in TEI Lex-0	Ana Salgado; Rute Costa	Proceedings of TOTh 2019		Yes	Gold	10.5281/zenodo.4453127	
89	Publication in Conference	Collocations Dictionary of Modern Slovene	Iztok Kosem; Krek, S.; Gantar, P.; Holdt, S. A.; Cˇibej, J.; Laskowski, C.	Scopus - Elsevier	4	Yes	Gold		http://www.scopus.com/inward/record.url?eid=2-s2.0-85059425119&partnerID=MN8TOARS
90	Article in Journal	O projeto Edição Digital dos Vocabulários da Academia das Ciências de Lisboa: o VOLP 1940	Salgado, Ana; Costa, Rute	Revista da Associação Portuguesa de Linguística	7	Yes	Gold	10.5281/zenodo.3664696	https://dx.doi.org/10.5281/zenodo.3664696
91	Publication in Conference	Ten Years of BabelNet: A Survey	Roberto Navigli; Michele Bevilacqua; Simone Conia; Dario Montagnini; Francesco Cecconi	Proceedings of the Thirtieth International Joint Conference on Artificial Intelligence (IJCAI-21) Survey Track.		Yes	Gold	10.24963/ijcai.2021/620	https://zenodo.org/record/5543339

92	Publication in Conference	Generating Senses and RoLes: An End-to-End Model for Dependency- and Span-based Semantic Role Labeling	Rexhina Blloshmi; Simone Conia; Rocco Tripodi; Roberto Navigli	Proceedings of the Thirtieth International Joint Conference on Artificial Intelligence (IJCAI-21)	4	Yes	Gold	10.24963/ijcai.2021/521	http://hdl.handle.net/11573/1566396
93	Book/Monograph	Proceedings of the LREC 2018 Workshop "6th Workshop on Linked Data in Linguistic: (LDL-2018)	ohn P. McCrae; Christian Chiarcos; Thierry Declerck; Jorge Gracia; Bettina Klimek	Proceedings of the LREC 2018 Workshop "6th Workshop on Linked Data in Linguistic (LDL-2018)"	5	Yes	Gold		http://www.lrec-conf.org/proceedings/lrec2018/index.html
94	Publication in Conference	ULD-NUIG at Social Media Mining for Health Applications (#SMM4H) Shared Task 2021	Ojha, Atul Kr.; Rani, Priya; Koustava Goswami; Bharathi Raja Chakravarthi; McCrae, John P.	Proceedings of the Sixth Social Media Mining for Health (#SMM4H) Workshop and Shared Task	5	Yes	Gold	10.18653/v1/2021.smm4h-1.33	https://dx.doi.org/10.5281/zenodo.5559523
95	Publication in Conference	Monolingual Word Sense Alignment as a Classification Problem	Ahmadi, Sina; McCrae, John P.	Proceedings of the 11th Global Wordnet Conference	5	Yes	Gold	10.5281/zenodo.5559521	https://dx.doi.org/10.5281/zenodo.5559521
96	Publication in Conference	XL-WSD: An Extra-Large and Cross-Lingual Evaluation Framework for Word Sense Disambiguation	Tommaso Pasini; Alessandro Raganato; Roberto Navigli	Proceedings of the AAAI Conference on Artificial Intelligence (AAAI Technical Track on Speech and Natural Language Processing II)	Vol. 35 No. 1	Yes	Gold	10.5281/zenodo.5543386	https://zenodo.org/record/5543386
97	Publication in Conference	Towards a Linking between WordNet and Wikidata	John P McCrae; David Cillessen	Proceedings of the 11th Global Wordnet Conference		Yes	Gold	10.5281/zenodo.5559516	https://zenodo.org/record/5559516

98	Publication in Conference	SemEval-2021 Task 2: Multilingual and Cross-lingual Word-in-Context Disambiguation (MCL-WiC)	Martelli, Federico; Kalach, Najla; Tola, Gabriele; Navigli, Roberto	Proceedings of the 15th International Workshop on Semantic Evaluation (SemEval-2021)		Yes	Gold	[10.18653/v1/2021.semeval-1.3](#)	https://dx.doi.org/10.5281/zenodo.5144514
99	Publication in Conference	The GlobalWordNet Formats: Updates for 2020	John P. McCrae; Michael Wayne Goodman; Francis Bond; Alexandre Rademaker; Ewa Rudnicka; Luis Morgado Da Costa	Proceedings of the 11th Global Wordnet Conference		Yes	Gold	[10.5281/zenodo.5559518](#)	https://zenodo.org/record/5559518
100	Publication in Conference	Heteronym Sense Linking	Lenka Bajčetić; Thierry Declerck; John P. McCrae	Proceedings of eLex 2021	1	Yes	Gold	[10.5281/zenodo.5596223](#)	https://doi.org/10.5281/zenodo.5772022
101	Publication in Conference	Convertir le Trésor de la Langue Française en Ontolex-Lemon : un zeste de données liées	Ahmadi, Sina; Constant, Mathieu; Fort, Karën; Guillaume, Bruno; McCrae, John,	Journées LIFT 2021 - Linguistique informatique, formelle et de terrain, Dec 2021, Grenoble, France	1	Yes	Gold	[10.5281/zenodo.5772046](#)	https://doi.org/10.5281/zenodo.5772045
102	Publication in Conference	IR like a SIR: Sense-enhanced Information Retrieval for Multiple Languages	Rexhina Blloshmi; Tommaso Pasini; Niccolò Campolungo; Somnath Banerjee; Roberto Navigli; Gabriella Pasi	Proceedings of the 2021 Conference on Empirical Methods in Natural Language Processing	1	Yes	Gold	[10.13140/rg.2.2.30354.58567](#)	http://hdl.handle.net/11573/1604154
103	Publication in Conference	A Character-Level LSTM Network Model for Tokenizing the Old Irish text of the Würzburg Glosses on the Pauline Epistles	Adrian Doyle; John P. McCrae; Clodagh Downey	Proceedings of the Celtic Language Technology Workshop	1	Yes	Gold		https://zenodo.org/record/3379675

104	Article in Journal	Identification and automatic extraction of good dictionary examples: the case(s) of GDEX	Iztok Kosem; Kristina Koppel; Tanara Zingano Kuhn; Jan Michelfeit; Carole Tiberius	International Journal of Lexicography	1	Yes	Green	10.1093/ijl/ecy014	https://doi.org/10.1093/ijl/ecy014
105	Publication in Conference	Implementation of Supervised Training Approaches forMonolingual Word Sense Alignment:ACDH-CH System Description for the MWSA Shared Task at GlobaLex 2020	Lenka Bajčetić; Seung-Bin Yim		1	Yes	Gold	10.5281/zenodo.4459102	https://doi.org/10.5281/zenodo.4459102
106	Publication in Conference	The ELEXIS system for monolingual sense linking in dictionaries	John P. McCrae; Sina Ahmadi; Seung-bin Yim; Lenka Bajčetić	Proceedings of eLex 2021	2	Yes	Gold	10.5281/zenodo.5772025	https://doi.org/10.5281/zenodo.5772026
107	Publication in Conference	Adapting Term Recognition to an Under-Resourced Language: the Case of Irish	John P. McCrae; Adrian Doyle	Proceedings of the Celtic Language Technology Workshop		Yes	Green		https://doi.org/10.18653/v1/w19-6907
109	Publication in Conference	CorpSum: Towards an Enabling Tool-Design for Language Researchers to Explore, Analyze and Visualize Corpora	Asil Cetin; Torsten Moeller; Thomas Torsney-Weir	CHI '21: Proceedings of the 2021 CHI Conference on Human Factors in Computing System	1	Yes	Green	10.1145/3411764.3445145	https://cronfa.swan.ac.uk/Record/cronfa56195

110	Publication in Conference	WordNet Gloss Translation for Under-resourced Languages using Multilingual Neural Machine Translation	Bharathi Raja Chakravarthi; Mihael Arcan; John P. McCrae	Proceedings of the Second Workshop on Multilingualism at the Intersection of Knowledge Bases and Machine Translation	1	Yes	Gold		https://doi.org/10.18653/v1/w19-7101
111	Publication in Conference	Recent Developments for the Linguistic Linked Open Data Infrastructure	Declerck, Thierry; McCrae, John; Hartung, Matthias; Gracia, Jorge; Chiarcos, Christian; Montiel, Elena; Cimiano, Philipp; Revenko, Artem; Lee, Deidre; Racioppa, Stefania; Nasir, Jamal; Orlikowski, Matthias; Lanau-Coronas, Marta; Fäth, Christian; Rico, Mariano; Elahi, Mohammad Fazleh; Khvalchik, Maria; Sauri, Roser; Gonzalez, Meritxell; Katharine Cooney	12th International Language Resources and Evaluation Conference (LREC 2020)	1	Yes	Gold	10.5281/zenodo.3934625	https://doi.org/10.5281/zenodo.3736948
112	Publication in Conference	Fully-Semantic Parsing and Generation: the BabelNet Meaning Representation	Abelardo Carlos Martínez Lorenzo; Marco Maru; Roberto Navigli	Proceedings of the 60th Annual Meeting of the Association for Computational Linguistic	1	Yes	Gold	10.5281/zenodo.6625334	https://zenodo.org/record/6625334

113	Publication in Conference	Compilin g a Suitable Level of Sense Granularity in a Lexicon for AI Purposes: The Open Source COR-Lexicon	Pedersen, B. S.; Sørensen, N. C. H.; Nimb, S.; Flørke, I.; Olsen, S.; Troelsgård, T.		1	Yes	Gold	10.5281/zenodo.6798170	https://zenodo.org/record/6798170
114	Publication in Conference	A good TACTIC for lexicographical work: football terms encoded in TEI Lex-0	Ana Salgado; Rute Costa	Terminologie & Ontologie: Théories et Applications Actes de la conférence TOTh 2019	1	Yes	Green	10.5281/zenodo.4453126	https://doi.org/10.5281/zenodo.4453127
115	Chapter in a Book	At skabe sammenhæng mellem betydninger i ordbøger over tid: Hvorfor og hvordan? In: Jens Bjerring-Hansen, Simon Skovgaard Boeck, Eva Skafte Jensen (red.) Nogle betænkninger om dansk sprog og litteratur. Festskrift til Marita Akhøj Nielsen. Universitets-Jubilæets danske Samfund 2021, pp. 383-406	Sanni NIMB	Nogle betænkninger om dansk sprog og litteratur. Festskrift til Marita Akhøj Nielsen	1	Yes	Gold	10.5281/zenodo.6796544	https://zenodo.org/record/6796544

116	Publication in Conference	Nibbling at the Hard Core of Word Sense Disambiguation	Marco Maru; Simone Conia; Michele Bevilacqua; Roberto Navigli	Proceedings of the 60th Annual Meeting of the Association for Computational Linguistic	1	Yes	Gold	[10.5281/zenodo.6800975](https://zenodo.org/record/6800975)	https://zenodo.org/record/6800975
117	Publication in Conference	DIBIMT: A Novel Benchmark for Measuring Word Sense Disambiguation Biases in Machine Translation	Niccolò Campolungo*; Federico Martelli*; Franesco Saia; Roberto Navigli	Proceedings of the 60th Annual Meeting of the Association for Computational Linguistics	1	Yes	Gold	[10.5281/zenodo.6625312](https://zenodo.org/record/6625312)	https://zenodo.org/record/6625312
118	Publication in Conference	SPRING Goes Online: End-to-End AMR Parsing and Generation	Rexhina Blloshmi; Michele Bevilacqua; Edoardo Fabiano; Valentina Caruso; Roberto Navigli		1	Yes	Gold	[10.5281/zenodo.6786926](https://zenodo.org/record/6786926)	https://zenodo.org/record/6786926
119	Publication in Conference	STEPS: Semantic Typing of Event Processes with a Sequence-to-Sequence Approach	Sveva Pepe; Edoardo Barba; Rexhina Blloshmi; Roberto Navigli	Thirty-Sixth AAAI Conference on Artificial Intelligence Thirty-Fourth Conference on Innovative Applications of Artificial Intelligence The Twelveth Symposium on Educational Advances in Artificial Intelligence	1	Yes	Gold	[10.5281/zenodo.6800938](https://zenodo.org/record/6800938)	https://zenodo.org/record/6800938

120	Publication in Conference	Designin g the ELEXIS Parallel Sense-Annotated Dataset in 10 European Languages	Federico Martelli; Roberto Navigli; Simon Krek; Jelena Kallas; Polona Gantar; Svetla Koeva; Sanni Nimb; Bolette Sandford Pedersen; Sussi Olsen; Margit Langemets; Kristina Koppel; Tiiu Üksik; Kaja Dobrovoljc; Rafael-J. Ureña-Ruiz; José-Luis Sancho-Sánchez; Veronika Lipp; Tamás Váradi; András Győrffy; Simon László; Valeria Quochi; Monica Monachini; Francesca Frontini; Carole Tiberius; Rob Tempelaars; Rute Costa; Ana Salgado; Jaka Čibej; Tina Munda		1	Yes	Gold	10.5281/zenodo.6625400	https://zenodo.org/record/6625400
121	Publication in Conference	IR like a SIR: Sense-enhanced Information Retrieval for Multiple Languages	Rexhina Blloshmi; Tommaso Pasini; Niccolò Campolungo; Somnath Banerjee; Roberto Navigli; Gabriella Pasi	Proceedings of the 2021 Conference on Empirical Methods in Natural Language Processing	1	Yes	Gold	10.5281/zenodo.6786921	https://zenodo.org/record/6786921

122	Publication in Conference	Integrati on of sign language lexical data in the OntoLex-Lemon framework	Declerck, Thierry	Proceedings of EURALEX 2022	1	Yes	Gold	10.5281/zenodo.6 860839	https://zenodo.org/record/6860839
123	Publication in Conference	AN INSIGHT INTO LEXICOGRAPHIC PRACTICES IN EUROPE Results of the extended ELEXIS Survey on User Needs	Carole Tiberius, Jelena Kallas, Svetla Koeva, Margit Langemets, Iztok Kosem	Proceedings of the XX EURALEX International Congress		Yes	Gold		
124	Publication in Conference	APPLYING TERMINOLOGICA L METHODS TO LEXICOGRAPHIC WORK: TERMS AND THEIR DOMAINS	Ana Salgado, Rute Costa, Toma Tasovac	Proceedings of the XX EURALEX International Congress		Yes	Gold		
125	Publication in Conference	INTRODUCING LexMeta: A METADATA MODEL FOR LEXICAL RESOURCES	David Lindemann, Penny Labropoulou, Christiane Klaes	Proceedings of the XX EURALEX International Congress		Yes	Gold		
126	Publication in Conference	Zotero to Elexifinder: Collection, curation, and migration of bibliographical data	David Lindemann	Proceedings of SiKDD2021		Yes	Gold		
127	Publication in Conference	EDiE - Elexis DIctionary Evaluation Tool	Seung-Bin Yim; Lenka Bajčetić; Thierry Declerck; John McCrae		1	Yes	Gold	10.5281/zenodo.69	https://zenodo.org/record/6900760