

D7.8

THIRD YEAR DISSEMINATION AND COMMUNICATION REPORT

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Third year dissemination and communication report

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1. Executive Summary

This third year dissemination and communication report outlines the communication activities carried out in the third year of the project, from February 1st 2020 to January 31st 2021, i.e. the timespan of the outbreak of the COVID-19 pandemic, including several lockdowns in countries all over Europe.

Thus, the project team needed to carry out its work under difficult and uncertain conditions, but each member gave his/her best to keep up and carry on with the various dissemination and communication activities outlined in the Grant Agreement.

This report is based on the structure of Deliverable D7.6, the second year dissemination and communication report, available [here](#).

Since the communication plan, including objectives, impact, target groups, tailored message(s), multi-level communication and communication channels remains as described in D7.5, we provide updates on the respective chapters only - events (2), dissemination material (3), scientific dissemination (4) as well as evaluation, monitoring and reporting (5).

2. Events

All networking and community building activities are documented via the project website: <https://elex.is/all-events/>.

Due to the outbreak of the COVID-19 pandemic in the first quarter of 2020, we took some of our undertakings online, at least where possible and created a new event category on the project website, digital events, available at <https://elex.is/all-events/digital-event-series/>.

In the reporting period of year 3, from February 1st 2020 to January 31st 2021, we organised a wealth of ELEXIS-branded events (see chapters 2.1, 2.2, 5.4.2) and presented aspects of the ELEXIS project via presentations, posters and paper submissions at various conferences for different target audiences (see chapters 2.3, 4.2. and 4.3). Furthermore, experts from the consortium were teaching ELEXIS-related topics at training events co-organized by ELEXIS. We provide an overview of different types of events attended, organized, and/or supported as follows.

2.1 ELEXIS Community Building Event in the third year

The consortium intended to plan the second ELEXIS event, as outlined in D7.6, in Q4 of 2020, at Accademia della Crusca in Italy.

Due to the outbreak of the COVID-19 pandemic in early 2020, this event needed to be postponed until further notice.

In addition, WP7 seeks to roll out [LexMeet](#) (see figure 1 below), a platform for exchanging ideas and expertise about lexicography and related fields, soon. At the time of writing, the platform is in the state of internal testing. Once the evaluation process is closed, the link to the platform will be

embedded within the project website and promoted via social media as well as available mailing lists.

In addition to the launch of the digital event series, we seek to make use of LexMeet as a substitute for face-to-face interaction, not only for approaching the scientific community but also to boost communication and foster collaboration with the industry and the set up of activities or special interest groups that could work on creating new lexicographic products through the use of the infrastructure and the LexMeet platform respectively.

At the moment of writing, internal meetings were conducted to streamline the process of how to proceed in reaching out to relevant actors in the industry, such as publishing houses / dictionary publishers and semantic web companies.

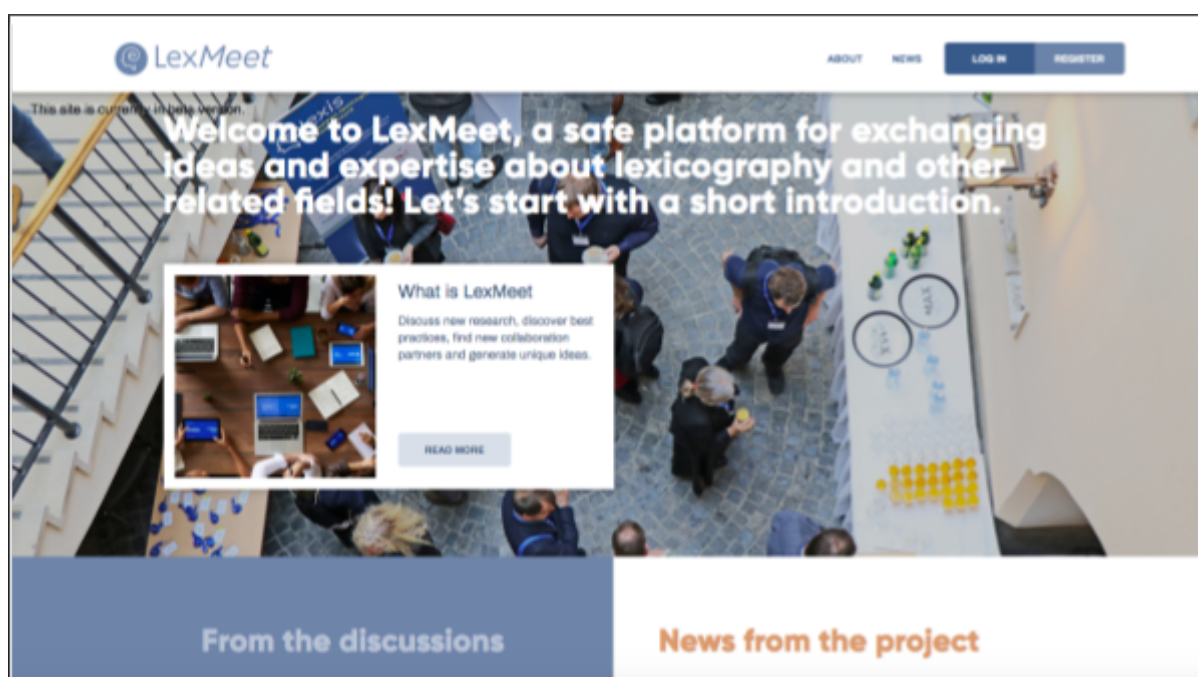


Figure 1: Screenshot of the LexMeet platform (beta version, 12.3.2021)

2.2 ELEXIS training measures in the third year

In the course of the third year of the project, several workshops as well as training events were planned. Due to the COVID-19 outbreak in the first quarter of 2020, most events had to be held online, whereas some other events needed to be postponed or cancelled.

In the following chapter, we provide an overview of all training events:

April 2020

- Online Live Elexifier Demo I

As part of the Elexis project, the Elexifier tool was developed, a dictionary conversion tool that uses advanced XML parsing and machine learning techniques to help convert PDF and

XML dictionaries into a standardised machine-readable format, such as the Elexis Data Model. The tool is currently in public beta.

- LiSeH Spring School, *postponed* to April 2021 (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.

May 2020

- Online Live Elexifier Demo II (recording available [here](#))
Due to great demand, ELEXIS organized a follow up session. The description is available above (see April 2020).

November 2020

- TOTH 2020 training session:
“From text to conceptual-based dictionaries: a terminological approach”.
Terminology work aims to systematize linguistic and conceptual information and make it available to end users – which can be both humans and machines – in a format that can be used, reused and shared. To achieve this goal, the terminological information must be treated and organized considering the most suitable methods depending on the research goals. The training session focused on some research scenarios where linguistic knowledge is required. Methods were built on textual information. The result will be accessible in the format of conceptual-based dictionaries. The intertwining between the linguistic and conceptual dimensions will be taken into consideration throughout the training session. More information is available [here](#).

2.3 Third-Party Events or Joint Events in the third year

Below, we provide a list of (virtual) events, where ELEXIS researchers (would have) 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 within the context of various conferences:

May 2020

- LREC2020, *cancelled*
- GLOBALEX 2020 workshop: Linked Lexicography
 - monolingual word sense alignment task at [LREC 2020](#):
While the [workshop was not able to take place](#) due to COVID-19, the papers and the results of the task are available via [Codalab](#) and as part of the LREC Proceedings;
 - 3rd TIAD shared task at [LREC2020](#)
This event was *cancelled*.

June 2020

- Workshop on Linked Data in Linguistics (LDL2020)
LDL2020 was supported by the COST Action "European network for Web-centred linguistic data science" (NexusLinguarum) and two Horizon 2020 projects, the European Lexicographic Infrastructure (ELEXIS), and Prêt-à-LLOD, which focuses on providing an infrastructure for linguistic data to be ready to use by state-of-the-art technologies.
The workshop was [announced](#) and planned to be co-located with LREC2020 which was cancelled; a virtual substitute was organized instead (Twitter moment available [here](#)), the organizational details are available on the workshop website, [here](#).
- Online Skema Demo
Skema stands for Sketch Engine Manual Annotation. It is a new feature in Sketch Engine that allows users to label, annotate or categorize concordance lines. The labels are then used for sorting, filtering or calculating the number of concordance lines belonging to the same group or category.
More information is available at:
<https://www.sketchengine.eu/guide/manual-annotation-skema/>

July 2020

- ACL2020, Annual Meeting of the Association for Computational Linguistics
- SyntagRank Demo at ACL2020 (details available [here](#))

September 2020

- EURALEX 2020: Lexicography for Inclusion, *postponed* to 2021
The proceedings are available [here](#).

October 2020

- Copenhagen Data Model Workshop (a virtual substitute was held)
Organized by ELEXIS and the Danish Agency for Digitization (Danish Language Resource project), the purpose of the workshop was to exchange experience on organisation of language data for individual languages in a semantically-oriented data model that enables open access to the data in a central online platform.
The workshop was an invitation-only event, participants were invited by the organisers. More information is available [here](#) (access restricted).
- CLARIN Annual Conference 2020 (virtual event, details available [here](#))

The CLARIN Annual Conference is the main annual event for those working on the construction and operation of CLARIN across Europe, as well as for representatives of the communities from the humanities and social sciences.

ELEXIS researchers presented the paper on 'Stimulating Knowledge Exchange via Trans-national Access – the ELEXIS Travel Grants as a Lexicographical Use Case' in [Session1: Research Cases](#).

November 2020

- TOTH 2020 conference (incl. an ELEXIS session)
Terminology & Ontology: Theories and applications conferences bring together researchers, professionals, and, more generally, all persons interested in issues related to language and knowledge engineering. The program included accepted papers, an opening talk, and a poster session.
Session 4 was dedicated to lexical resources and lexicography in connection with the ELEXIS EU project. More information is available [here](#).
- GWLN2020: Globalex Workshop on Lexicography & Neologism
This workshop was announced to be held co-located with [EURALEX 2020](#). Although the conference as well as the onsite workshop were postponed to 2021, a [first virtual substitute](#) was held in November 2020.
- EMNLP 2020 - the 2020 Conference on Empirical Methods in Natural Language Processing, details available [here](#)

December 2020

- Metaforum 2020 (details available [here](#))
- COLING 2020, International Conference on Computational Linguistics
- Joint Workshop on Multiword Expressions & Electronic Lexicons (MWE-LEX 2020):
This workshop was announced to be held co-located with COLING2020, which was postponed to December 2020. Thus, a virtual workshop substitute was organized and held online, more details are available [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

Due to the COVID-19 outbreak in spring 2020, special emphasis was put on the creation of online publicity items, such as mini videos and pictures. Those were crafted to promote a variety of events as well as online campaigns, such as (internal) calls for papers, available project tools, or surveys, which were embedded in social media postings (see fig. 2 below).



Figure 2: Publicity items for online use

3.2 offline

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 the first quarter of 2020, we did not provide any offline material in year 3.

4. Scientific Dissemination

4.1 Publications

All peer-reviewed articles published for this reporting period have been uploaded to [Zenodo](#) 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 (cooperation and knowledge exchange (objective 1), lexicographic standards (objective 2), strategies, tools, standards for lexicographic resources (objective 3), access to data and tools (objective 4), and openness in lexicography (objective 5). All these are sorted according to the WPs in which they were written. All the information regarding uploading and tagging publications on Zenodo is summarized in a checklist available for all ELEXIS project members in an internal Google Drive directory.

In total, we now have 88 publications in the ECAS portal (since the beginning of the project).

Here is a selection of publications published in this reporting period:

- Ilan Kernerman, Simon Krek, John P. McCrae, Jorge Gracia, Sina Ahmadi and Besim Kabashi (eds) 2020. Proceedings of the LREC 2020 Globalex Workshop on Linked Lexicography. Paris: ELRA [Link](#)
- Blloshmi, Rexhina, Tripodi, Rocco, & Navigli, Roberto 2020. Enabling Cross-Lingual AMR Parsing with Transfer Learning Techniques. In Proceedings of the 2020 Conference on Empirical Methods in Natural Language Processing (EMNLP), pp. 2487-2500.
- Federico Scozzafava, Marco Maru, Fabrizio Brignone, Giovanni Torrisi, Roberto Navigli. 2020. Personalized PageRank with Syntagmatic Information for Multilingual Word Sense Disambiguation. Proceedings of the 58th Annual Meeting of the Association for Computational Linguistics: System Demonstrations, ACL, pp. 37-46.
- Sussi Olsen, Bolette S. Pedersen, Tanja Wissik, Anna Woldrich and Simon Krek. 2020. Stimulating Knowledge Exchange via Trans-National Access – the ELEXIS Travel Grants as a Lexicographical Use Case. Proceedings of the CLARIN Annual Conference 2020, pp. 77-81.
- Atul Kr. Ojha, Priya Rani, Akanksha Bansal, Bharathi Raja Chakravarthi, Ritesh Kumar and John P. McCrae. 2020. NUIG-Panlingua-KMI Hindi↔Marathi MT Systems for Similar Language Translation Task @ WMT 2020. *Proceedings of the Fifth Conference on Machine Translation (WMT20)*.
- Christian Chiarcos, Bettina Klimek, Christian Fäth, Thierry Declerck and John P. McCrae. 2020. On the Linguistic Linked Open Data Infrastructure., *Proceedings of the 1st International Workshop on Language Technology Platforms at LREC 2020*, pp 8-15.
- Christian Chiarcos, Maxim Ionov, Jesse de Does, Katrien Depuydt, Anas Fahad Khan, Sander Stolk, Thierry Declerck and John Philip McCrae 2020. Modelling Frequency and Attestations

for OntoLex-Lemon. *Proceedings of the Globalex Workshop on Linked Lexicography (@LREC 2020)*, pp 1-9.

- Ana Salgado, Sina Ahmadi, Alberto Simões, John Philip McCrae and Rute Costa. 2020. Challenges of Word Sense Alignment: Portuguese Language Resources. *Proceedings of the 7th Workshop on Linked Data in Linguistics: Building tools and infrastructure at LREC 2020*, pp 45-51.
- John Philip McCrae, Alexandre Rademaker, Ewa Rudnicka and Francis Bond. 2020. English WordNet 2020: Improving and Extending a WordNet for English using an Open-Source Methodology. *Proceedings of the Multimodal Wordnets Workshop at LREC 2020*, pp 14-19.
- Sina Ahmadi, Sanni Nimb, Thomas Troelsgård, John P. McCrae and Nicolai H. Sørensen. 2020. Towards Automatic Linking of Lexicographic Data: the case of a historical and a modern Danish dictionary. *Proceedings of the XIX EURALEX International Congress*.
- Francis Bond, Luis Morgado da Costa, Michael Wayne Goodman, John P. McCrae and Ahti Lohk. 2020. Some Issues with Building a Multilingual Wordnet. *Proceedings of the 12th Language Resource and Evaluation Conference (LREC 2020)*, pp 3189-3197.
- Sina Ahmadi, John 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 Györfy, 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. Ureña-Ruiz, Kiril Simov, Petya Osenova, Zara Kancheva, Ivaylo Radev, Ranka Stanković, Cvetana Krstev, Biljana Lazić, Aleksandra Marković, Andrej Perdih and Dejan Gabrovšek. 2020. A Multilingual Evaluation Dataset for Monolingual Word Sense Alignment. , *Proceedings of the 12th Language Resource and Evaluation Conference (LREC 2020)*, pp 3232-3242.
- Š. Arhar Holdt , N. Logar , E. Pori, I. Kosem. 2020. "Game of Words": Play the Game, Clean the Database. *Proceedings of EURALEX 2020*, pp. 41-49. [PDF](#)
- Lenka, Bajčetić, Thierry Declerck. 2020. Interlinking Slovene Language Datasets. *Proceedings of EURALEX 2020*, pp. 73-80. [PDF](#)
- V. Baisa, C. Tiberius, E. Ježek, L. Colman, C. Marini, E. Romani. 2020. Skema: A New Tool for Corpus-driven Lexicography. *Proceedings of EURALEX 2020*, pp. 523-529. [PDF](#)
- Ana Salgado, Rute Costa. 2020. A good TACTIC for lexicographical work: football terms encoded in TEI Lex-0. *Proceedings of TOTH 2019*, pp. 381-398.
- T. Wissik, T. Declerck. 2020. Using an Infrastructure for Lexicography in the Field of Terminology. *Proceedings of TOTH 2019*, pp. 365-379.
- Toma Tasovac, Ana Salgado, & Rute Costa. (2020). Encoding polylexical units with TEI Lex-o: A case study. *Sovenščina 2.0, 2020(2)*, 28-57.

Non-scientific or other publications:

- [ELEXIS: Technical and social infrastructure for lexicography](#). Anna Woldrich, Teja Goli, Iztok Kosem, Ondřej Matuška and Tanja Wissik. *K Lexical News*, 28, pp. 45-53, (2020). [PDF](#)
- [English WordNet: A new open-source WordNet for English](#). John P. McCrae, Ewa Rudnicka and Francis Bond, *K Lexical News*, 28, pp. 37-44, (2020). [PDF](#)

Publications where ELEXIS was acknowledged, because Tools and Services from the ELEXIS Infrastructure were used:

- Andrea Cerniglia, Davide Chiarella, Paola Cutugno, Lucia Marconi, Anna Magrini, Gelsomina Di Feo, Melissa Ferretti. 2020. Questionnaire analysis to define the most suitable survey for port-noise investigation. Proceedings of the 26th International Congress on Sound and Vibration. <https://arxiv.org/ftp/arxiv/papers/2007/2007.06915.pdf>

4.2 Presentations

Due to the pandemic, a lot of conferences were postponed (e.g. EURALEX) or cancelled (LREC), and/or only the proceedings were published, but no live presentations were made. Only a few conferences were held virtually via video conference systems, or videos were recorded. Due to this circumstance, we have less presentations to report for this reporting period.

- “Challenges of Word Sense Alignment: Portuguese Language Resources”, Ana Salgado, Sina Ahmadi, Alberto Simões, John Philip McCrae and Rute Costa, 23 June 2020 @ LDL 2020
- “Personalized PageRank with Syntagmatic Information for Multilingual Word Sense Disambiguation”, Federico Scozzafava, Marco Maru, Fabrizio Brignone, Giovanni Torrisi, Roberto Navigli, 5 July 2020 @ ACL 2020 [Video](#)
- “Stimulating Knowledge Exchange via Transnational Access – the ELEXIS Travel Grants as a Lexicographical Use Case”, Sussi Olsen, Bolette S. Pedersen, Tanja Wissik, Anna Woldrich and Simon Krek, 5 October 2020 @ CLARIN 2020 [Slides](#)
- “XL-AMR: Enabling Cross-Lingual AMR Parsing with Transfer Learning Techniques”, Rexhina Blloshmi, Rocco Tripodi, Roberto Navigli. In Zoom Q & A Session @ EMNLP 2020, 17 November 2020 @ EMNLP 2020
- “Formal Representation of Linguistic Restrictions expressed in Terminologies”, Thierry Declerck, Stefania Racioppa, Tanja Wissik, 27 November 2020, @ TOTH 2020
- “Automated Formalisation of unstructured Terminologies”, Thierry Declerck, Tanja Wissik, 26 November 2020 @ TOTH 2020

4.3 Poster Presentations

- “Stimulating Knowledge Exchange via Transnational Access – the ELEXIS Travel Grants as a Lexicographical Use Case”, Sussi Olsen, Bolette S. Pedersen, Tanja Wissik, Anna Woldrich and Simon Krek, 5 October 2020 @ CLARIN 2020 (poster [here](#))
- ELEXIS Project EXPO @ Meta Forum 2020, 2 December 2020 ([link](#))

5. Evaluation, Monitoring & Reporting

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).

5.1 Social Media Monitoring Year 3

(February 2020 - incl. January 2021)

Figure 3 below visualizes the growth of ELEXIS EU followers per social media platform in year 3. 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.

Figure 3 shows that the growth of followers happens two times more likely on Twitter: In December 2020, ELEXIS EU hit the 1,000 followers mark, whereas ‘only’ 578 users pushed the ‘Like’-button on Facebook.

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

February 2020 - incl. January 2021

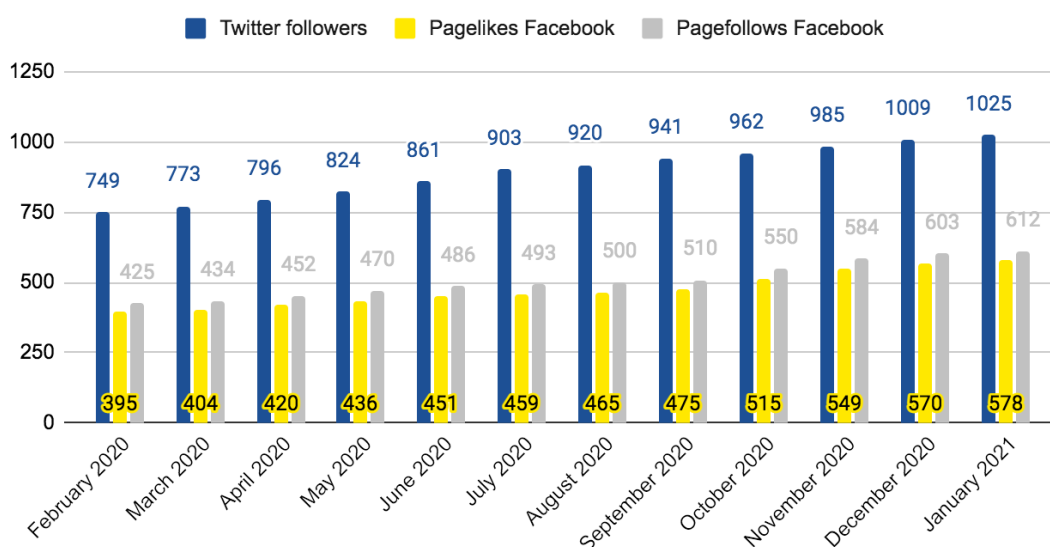


Figure 3: Follower growth on Facebook & Twitter, February 2020 - incl. January 2021

Figure 4 below presents an overview of the number of tweets and postings published per month over time: As stated above, the lexicographic community seems to be more active on Twitter, thus, a posting about project-relevant content, e.g. from presentations at a respective (online) event, happens more likely on Twitter (incl. re-tweeting) than on Facebook, which explains the high number of Tweets per month in respect to the lower number of Facebook postings.

This concept applies for instance to the month of June, were the project account tweeted about the ACDH-CH Lecture ‘TEI guidelines - born to be open’, held by Laurent Romary, the month of September, where the hashtag [#dhagoesdigital2020](#) promoted the keynote ‘Building Open Infrastructures for the Digital Humanities: Why Should we Care?’, held by Toma Tasovac, and the month of October, where ELEXIS EU tweeted live from the CLARIN2020 annual (virtual) conference. A shorter, slightly changed post was used to sum up the outcomes. The intention was to point the users to the respective happening and it was made available on Facebook as well, but compared to Twitter, the project posted less about the respective event.

The same figure 4 below visualizes the summer social media break in August 2020 (9/4) and the Christmas social media break in the second half of December 2020 (17/15) until the first half of January 2021 (18/16), where the project posted less content than in respect to other months of the year (≥ 20).

Number of content pieces published

per month via ELEXIS EU Facebook/Twitter profile

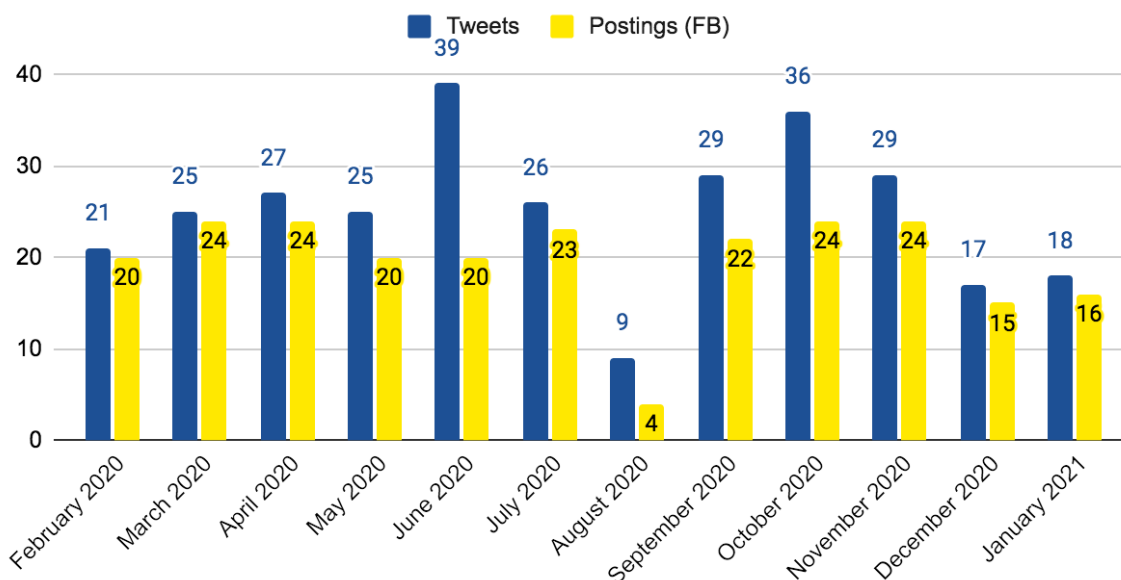


Figure 4: Number of content pieces published via ELEXIS EU social media profiles

5.1.1 Twitter Analysis

In the course of year three, ELEXIS published 301 tweets and won 276 new followers. Table 1 below provides an overview of published tweets, impressions, average impressions and follower growth per month in year 3.

The figure 4 above indicates that ELEXIS EU tweeted in the context of lexicographic events most frequently, i.e. in June and October 2020. In June, a virtual substitute of the workshop on Linked Data in Linguistics, [LDL2020](#), was organized and [accompanied by ELEXIS EU](#). In addition, the ELEXIS partner institution invited Lauren Romary for its ACDH-CH Lecture, who spoke about '[The TEI guidelines: Born to be open](#)', which was very well received by the community.

In October 2020, ELEXIS representatives took part in the CLARIN2020 annual event, which was held virtually for the first time. ELEXIS EU accompanied the conference via Twitter (as well as Facebook).

When looking at the top 3 tweets per month, the tweets are linked to (the announcement of) lexicographic events, informational articles/blog posts, news about ELEXIS such as tools and deliverables, as well as the acceptance of new observing institutions:

In February 2020, two of three top tweets are linked to the call for papers of the [LiSeH spring school](#) and the [TOTh2020 conference](#) (both needed to be postponed), the February 2020 [top tweet](#) introduces the Centre for Digital Humanities at the University of Cologne as an observing institution.

In March 2020, the [announcement of the publication of deliverable 4.2](#) was most popular, followed by a recommendation for a workshop held on [digital approaches for endangered language communities](#) and a blogpost about [how the digital humanities can help in a pandemic](#).

In April 2020, the no. 1 tweet informed the community about the [SSHOC training toolkit](#), the second most popular tweet provided an update on the [open call for papers for the MWE LEX workshop](#), the third most popular tweet in April asked the community for help by filling out the [ELEXIS impact survey](#) (D7.7).

In May 2020, a tweet on the follow-up iteration of the [Adam Kilgarriff Prize 2021](#) was most popular, followed by a [tweet on the ELEXIS tool Elexifier](#) and a tweet informing about the availability of the [LREC2020 proceedings](#).

In June 2020, the reminder for [MWE LEX submissions](#) was the top tweet of the month, followed by a [tweet about a presentation](#) of an ELEXIS researcher at LDL2020, the third top tweet informed the audience about the SketchEngine's [Skema demo](#).

In July 2020, a tweet about [available online resources](#) earned massive popularity [thanks to an external summer school](#), followed by a tweet reminding the audience to [apply for the Adam Kilgarriff Prize](#), the third top tweet of the month was a reminder to [submit a paper to MWE LEX workshop](#).

In August 2020, the top tweet informed the community of the [publication of Slovenščina 2.0](#) that included articles based on the presentations held at the eLex2019 conference workshop, collocations in Lexicography. The second top tweet came from the [ELEXIS lexicographic newsfeed, informing the audience](#) that an Elexis observing institution in Slovenia (ZRC SAZU) is able to obtain its own language recordings in high quality now. The third top tweet of August contained another [ELEXIS publication](#): 'Encoding polylexical units with TEI lex-0: A case study'.

In September 2020, the announcement of the ACDH-CH Lecture on '[Crowdsourcing](#) methods to increase public access & engagement with cultural heritage & academic datasets' was post popular, followed by a tweet announcing the [#dhagoesdigitalday](#), the third top tweet of the month included an [overview of ELEXIS tools available](#).

In October 2020, the top tweets of the month referred to the ACDH-CH lecture again, informing the audience that the [recording of the event](#) is accessible online, followed by a tweet about [courses in lexicography available](#) via the Digital Humanities Course Registry interface, and a tweet on the postponement of [TOTh2020 and that enrollments for the event are open](#).

In November 2020, two of the top 3 tweets were connected to the TOTh2020 conference: the tweet on the update of TOTh2020, indicating that the event is held [online only](#) was most popular, followed by a [programme note](#) on ELEXIS EU contributions at the conference. The third top tweet of the month came from the ELEXIS lexicographic newsfeed that included [an article on an Irish-English dictionary](#).

In December 2020, two top tweets dealt with [ELEXIS tools available](#) and ELEXIS [institutional access](#), the [third top tweet](#) introduced the Berlin-Brandenburgische Akademie der Wissenschaften as an observing institution.

In January 2021, two calls for papers, the [Multiword Expressions workshop](#) (MWS) and the [eLex 2021 conference](#), were among the top 3 tweets, as well as a tweet at the [#DataPrivacyDay](#), pointing the community to the [consent form wizard tool](#), which was developed by the DARIAH working group ELDAH.

The table below provides an overview of the number of tweets per month, total and average impressions and the growth of followers in year 3.

Month	Nr. Tweets	total Impressions	Avg. Impression/tweet	Nr. Followers
February 2020	21	40.000	1.904	749
March 2020	25	38.100	1.524	773
April 2020	27	34.800	1.288	796
May 2020	25	40.100	1604	824
June 2020	39	41.600	1.066	861
July 2020	26	35.200	1.353	903
August 2020	9	17.800	1.977	920
September 2020	29	27.700	955	941
October 2020	36	42.600	1.183	962
November 2020	29	30.900	1.065	985

December 2020	17	17.200	1.011	1009
January 2021	18	20.100	1.116	1025

Table 1: Overview ELEXIS EU on Twitter, year 3

5.1.2 Facebook Analysis

In the course of year three, ELEXIS EU published 236 postings on Facebook, earned 183 new page likes (a total of 578 in January 2021) and 187 new page follows (total 612 in January 2021). Figure 4 visualizes that ELEXIS EU published most postings in March, April, October, and November 2020. An analysis of the top 3 postings per month reveals that the most popular posts are related to ELEXIS news, such as content related to the winners of a research visit grant, elexis observing institutions, the ELEXIS impact survey, the ELEXIS promo video, calls for papers where ELEXIS was involved, as well as results and proceedings of various scientific events and blog posts related to lexicography and job offers:

In February 2020, the [posting about the ELEXIS observing institution](#) Academia das Ciências de Lisboa (ACL) was most popular among the community on Facebook, followed by a [posting that promoted the portrait of one of the winners](#) of a research grant of the third call.

In March 2020, the most popular posting dealt with [‘the ridiculously difficult rare words quiz’](#), to test knowledge related to some of the rarest words in the Oxford Dictionary. Two postings ([posting 1](#), [posting 2](#)) promoting the portraits of the winners of a research grant (call 3) conclude the top three of the month.

In April 2020, the [posting about the ELEXIS impact survey](#), as well as the [posting on the results](#) of the Monolingual Word Sense Alignment Shared Task were among the top posts of the month.

In May 2020, the most popular postings introduced two observing institutions, [CJVT in Slovenia](#) and [HAZU in Croatia](#), and highlighted the [ELEXIS promo video clip](#).

In June 2020, the [most popular post of the month](#) included the announcement of the winners of the fourth call for research visit grants, followed by a posting on the (amended) open [call for papers for the joint workshop](#) on Multiword Expressions and Electronic Lexicons, as well as a [posting introducing MRU](#), an observing institution from Lithuania.

In July 2020, the [most popular post](#) informed the community about an open position at the ELEXIS partner institution ACDH-CH, followed by a [reminder for MWE-LEX’ open call for papers](#), and a posting informing the audience that the [results of the PARSEME shared task 1.2](#) are available online.

In August 2020, ELEXIS EU published less due to the social media summer break. The most popular posting reminded the audience to [submit a paper for MWE-LEX2020](#).

In September 2020, all three top postings of the month promote available ELEXIS tools, i.e. the [ELEXIS tool Clusty](#), an algorithm designed to perform Word Sense Disambiguation across languages, the [ELEXIS tool OneClick Dictionary](#), enabling to create dictionary drafts automatically, as well as the posting on the [institutional access to SketchEngine](#) that highlights improved online access conditions.

In October 2020, one of the top three postings of the month promoted the [ELEXIS tool Elexifier](#), a tool for converting dictionaries into a machine-readable/TEI format, the second top [posting](#)

[promoted the online GLOBALEX workshop](#) on Lexicography and Neologism, followed by the [third top posting](#) on the open registration for TOTh2020, drawing attention to a session dedicated to ELEXIS EU within the framework of the conference.

In November 2020, the top posting on Facebook [promoted the improved institutional access to SketchEngine via ELEXIS EU](#), followed by a post on the [open call for papers for eLex2021: post-editing lexicography](#). The third top post promoted an [open position](#) at an ELEXIS partner institution.

In December 2020, the top posting of the month promoted the open [call for papers for the conference on sustainable multilingualism](#), followed by a post announcing the availability of [EURALEX2020 proceedings](#), including ELEXIS publications. The third top posting promoted the [various ELEXIS tools available](#), developed to enrich research in the lexicographic community.

In January 2021, the top post of the month announced the open [call for papers for the workshop on Multiword Expressions](#) at ACL2021. A posting on the [Hornby Dictionary Research Awards](#), as well as a posting pointing the community to submit an abstract to [issue 21, 'Translation & inclusive Development'](#) to *Linguistica Antverpiensia: Themes in Translation Studies* conclude the top three postings of the month.

The table below provides an overview of postings published, total reach, average reach and page follower/likes growth per month in year 3.

Month	Nr. Postings	total Reach	avg. reach/posting	Page Likes	Page Follows
February 2020	20	3191	160	395	425
March 2020	24	2867	120	404	434
April 2020	24	3214	134	420	452
May 2020	20	3634	181	436	470
June 2020	20	4515	226	451	486
July 2020	23	4291	186	459	493
August 2020	4	683	171	465	500
September 2020	22	4823	219	475	510
October 2020	24	8876	370	515	550
November 2020	24	9816	490	549	584
December 2020	15	5411	361	570	603
January 2021	16	3988	249	578	612

Table 2: Overview ELEXIS EU on Facebook, year 3

5.1.3 Social Media Campaigns: Performance

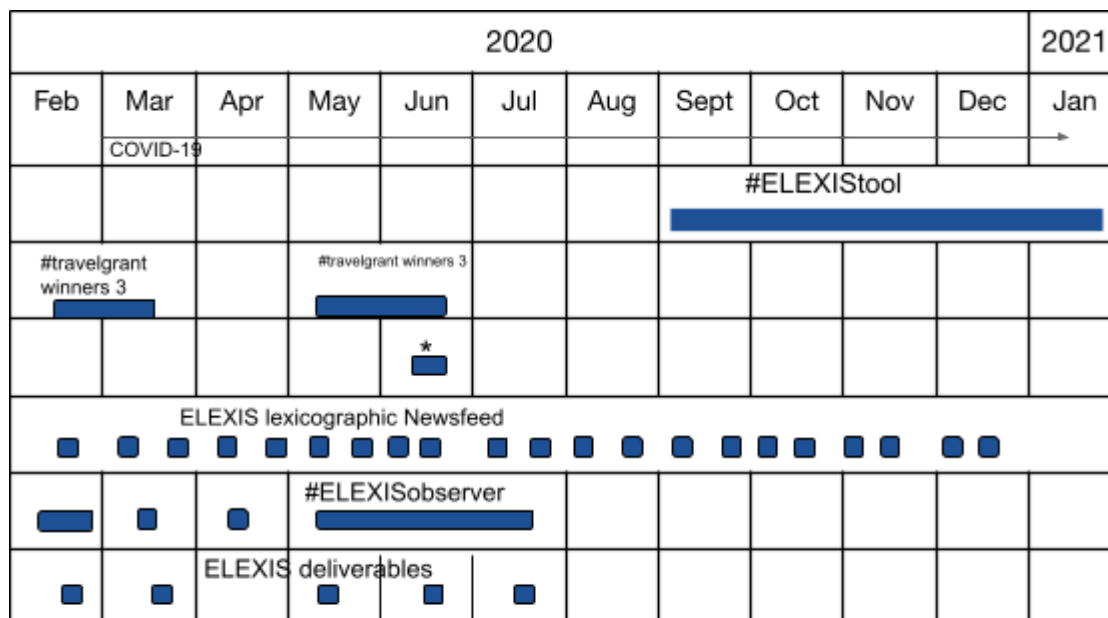
In the third year, ELEXIS started the “ELEXIS tool series” that introduces the audience to the tools developed in the course of the project. Launched in September, the campaign highlights a service, resource or tool available with the hashtag #ELEXISstool.

In addition, WP7 continued to carry out the #ELEXISobserver series that introduces institutions accepted as observers within the project.

Furthermore, WP7 continued highlighting a variety of posts in different languages that were sourced from the ELEXIS lexicographic newsfeed.

Unfortunately, WP7 couldn’t carry out the campaign pertaining to the travel grant winners. Usually, ELEXIS EU announces the winners, publishes a blogpost about each winner, announces the start of the visit and follows up during the duration of the visit; the publishing of the research grant report marks the end of the respective research grant journey.

Due to the COVID-19 outbreak in the first quarter of 2020, the campaign was cut off - some of the winners of the third call had completed their stay back then (see chapter 5.4.1), but the remaining winners as well as the introduction of the winners of the fourth call for research grants, will be carried out at some point in the future. Once the visits can take place, the prepared portraits of several grant winners of call 4 will be published. For consistency, ELEXIS EU published a post in June 2020 that announced the winners of the fourth call. An overview of ELEXIS social media campaigns is visualized in figure 5 below.



* announcement: winners of the 4th call for research grants

Figure 5: Overview of ELEXIS social media campaigns in year 3

5.2 Website Monitoring Year 3

In the course of year three, the project attracted 8,214 users who visited ELEXIS pages 24,662 times (see table 3 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
Total	22,256	81,365	-

Table 3: ELEXIS website visits

Figure 6 indicates page visits per month in the period of February 2020 and January 2021. A vast majority of users visited the website in February, May, June and October 2020:

In February 2020 ELEXIS EU published the portrait of a research grant winner, which drew users to the website.

In May 2020, ELEXIS EU opened a survey asking for feedback about the impact of ELEXIS ([Deliverable D7.7](#)). Furthermore, several ELEXIS related papers were published in the proceedings of LREC2020 conference, and we had extraordinary user engagement via an Italian [lexicographic news feed posting](#), which drew the users' attention to visit the project website.

In June 2020, we published several reports of ELEXIS travel grant winners, tweeted about the ACDH-CH lecture, conducted the Linked Data in Linguistics Workshop virtually and continued to post and tweet within the framework of the ELEXIS observer series on social media, which generated traffic for the project website.

In October 2020, we announced the virtual GLOBALEX workshop on lexicography and neologism, thus, the most visited site in this month was the [workshop page](#) as well as the info available in the [digital event series](#) section. In addition, the CLARIN2020 conference at the beginning of the month drew attention to the project and its website.

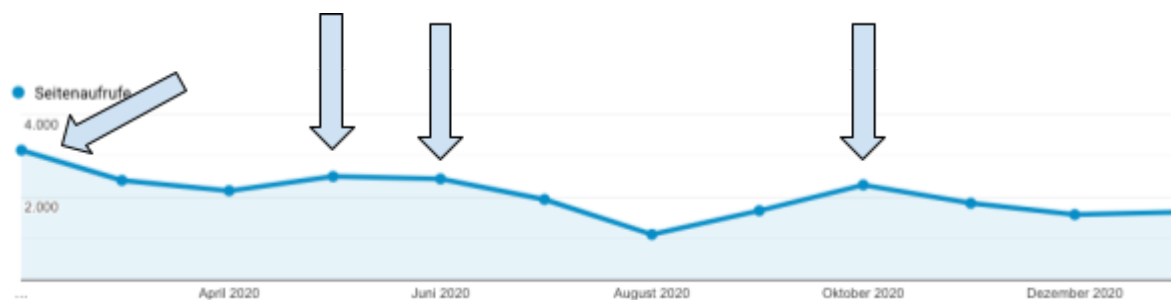


Figure 6: Google Analytics - Page visits per month February 2020 - incl. January 2021

5.3 E-Mail Monitoring Year 3

By the end of January 2021, 287 people subscribed to the ELEXIS newsletter, which is available on the [project website](#). The figure below shows the growing number of ELEXIS newsletter subscribers per month.

Number of ELEXIS newsletter subscribers

per month

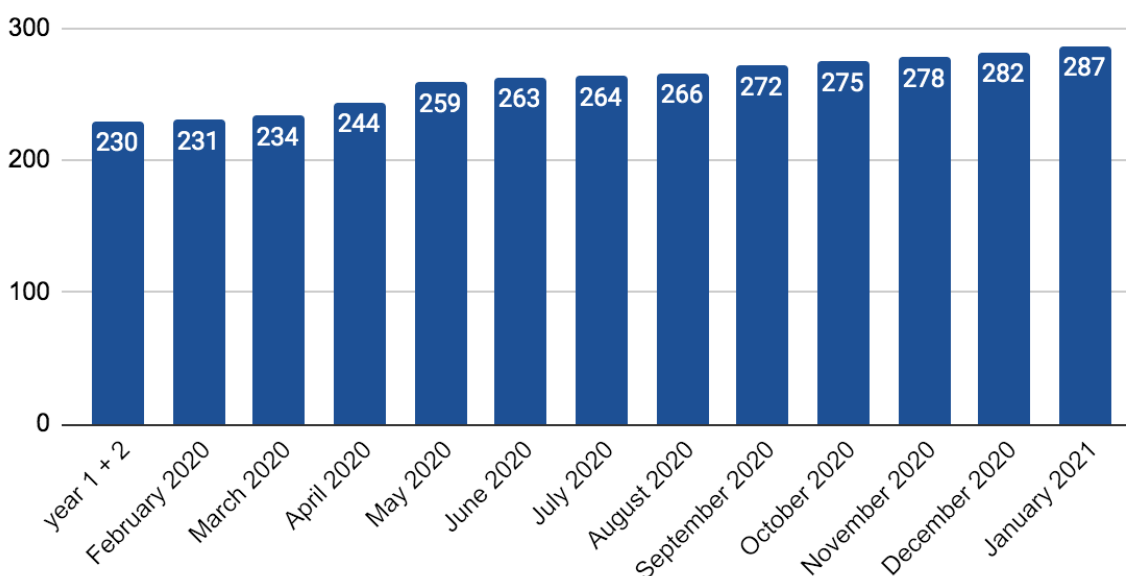


Figure 7: Audience growth over time on mailchimp year 3

5.4 Evaluation: WP7 Achievements within Year 3

Besides the overall objectives and the key performance indicators to be achieved by the end of the ELEXIS project, visualized in [tables 1-5 in D7.5](#), the first-year communication and dissemination report, WP7 identifies especially with the targets described in D7.5's Table 1 (i.e. Table 4 below), namely in 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. Each indicator of Table 4 (if already

applicable) will be taken into account in the following subchapters. Objectives related to scientific publications are described in section 5.4.4.

OBJECTIVE 1		
To foster cooperation and knowledge exchange between different research communities in lexicography		
Target outcome	Indicator	Target
Research visits (Transnational Access)	Yearly number of visits accomplished (from M6-M48)	= 10
Use of online training modules (#dariahTeach, Videlectures.net etc.)	Number of users in mid-term (M24)	<= 500 (not satisfactory) >= 500 (satisfactory)
Use of online training modules (#dariahTeach, Videlectures.net etc.)	Number of users at the end of the project (M48)	<= 2.000 (not satisfactory) >= 2.000 (satisfactory)
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)
Forming international alliance for lexicography (institutes, universities, industry)	Number of institutions in the alliance (end of project)	<= 70 (not satisfactory) >= 70 (satisfactory)
Social media engagement	Number of followers/likes (end of project)	<= 5.000 (not satisfactory) >= 5.000 (satisfactory)
Promotional activities	Website analytics (after M24) - daily visits	<= 50 (not satisfactory) >= 50 (satisfactory)

Table 4: Objective 1

5.4.1 Evaluation of Research Visits

In total, the trans-national access committee opened 4 calls for research visit grants and received 43 proposals. Within these four calls the committee granted 23 winners. Before the outbreak of the pandemic, 12 research visits were completed on-site and one grant winner conducted her visit in a virtual setting in the first quarter of 2020 (see Twitter Moment of [Call 1](#), [Call 2](#) and [Call 3](#)), while the other 10 visits have been postponed due the COVID-19 situation.

Thus, only 4 out of 7 winners from the third call and none of the winners from the fourth call have so far carried out their visit due to the pandemic situation. The fifth call has been postponed several times for the same reason. We expect to open the fifth call in mid 2021, depending on the pandemic situation.

All grant holders were contacted recently, and apart from one who has left academia, all grant holders and all hosting institutions are still interested in carrying out the visits when the situation

allows for travelling.

Detailed information on the postponement of visits is provided in ELEXIS technical report M36, an overview of the research visits' status is available in [Deliverable D9.2](#) as well as in the paper '[Stimulating Knowledge Exchange via Trans-national Access – the ELEXIS Travel Grants as a Lexicographical Use Case](#)'¹ submitted at CLARIN 2020 conference.

5.4.2 Evaluation of attendance at ELEXIS (training) events within Year 3

In chapters 2.1 and 2.2, we provided an overview of ELEXIS branded training measures and events held in the course of year 3, table 5 below presents a list of those events, indicating the number of participants per event. Altogether, ELEXIS EU would have (co-)organized 12 events²: 8 community building events, of which 2 workshops were cancelled due to the COVID-19 pandemic and 4 training measures, of which one was postponed to 2021.

#	ELEXIS branded events	Nr. attendees	Branding
1	GLOBALLEX WS on Lexicography & Neologism	70	organized
2	GLOBALLEX 2020 workshop: Linked Lexicography (at LREC2020, event cancelled, results on Codalab and the proceedings are available here)	32 cancelled	organized
3	3rd TIAD shared task (at LREC2020)	cancelled	co-organized
4	Workshop on linked data in Linguistics (LDL2020)	116	co-organized
5	TOTH Conference: ELEXIS Session	98	organized
6	Skema Demo	n.a.	organized
7	Copenhagen Data Model Workshop (virtual substitute)	8	organized
8	Joint Workshop on Multiword Expressions and Electronic Lexicons (MWE-LEX 2020) at COLING2020 (postponed, virtual substitute)	60	co-organized
ELEXIS training measures			
9	LiSeH Spring School (postponed to April 2021)	28	co-organized
10	TOTH2020 training session: From text to conceptual-based dictionaries: a terminological approach	23	co-organized

¹ Olsen, Sussi, Pedersen, Bolette Sandford, Wissik, T., Woldrich, A. & Krek, S. (2020), Stimulating Knowledge Exchange via Trans-national Access – the ELEXIS Travel Grants as a Lexicographical Use Case. In Proceedings of CLARIN Annual Conference 2020. Navarretta, C. & Eskevich, M. (red.). Virtual Edition, s. 77-81.

² Due to the COVID-19 outbreak in quarter 1 of 2020, several attempts to plan and organise an event were set on hold, due to a lack of planning reliability. Where possible, ELEXIS EU offered an online equivalent of the face to face event that could not take place due to the pandemic situation.

11	online ELEXIFIER live demo I	18	organized
12	online ELEXIFIER live demo II	6	organized

Table 5: ELEXIS-branded events and training measures with participant numbers in year 3

5.4.3 Evaluation of attendance at all events (including ELEXIS branded and training events and third-party events) in year 3

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. All these events are included in Figure 8, where the number of attended events per type according to the ECAS portal³ is visualised:

In the course of year three, ELEXIS researchers (co-)organised three training measures, one conference (TOTh2020) and four workshops. Together with the EU Projects PRÉ-À-LLOD and NexusLinguarum, ELEXIS organized the [7th workshop on linked data in linguistics](#).

Additionally, ELEXIS EU published 2 videos ([introduction to NAISC](#) & [ELEXIS promo video](#)) as well as two articles in [K Lexical News](#) (formerly KDN - Kernerman Dictionary News) online. Several ELEXIS researchers attended four conferences online, intended to participate in a workshop that was cancelled (3rd TIAD shared task) and were present at the SketchEngine [Skema](#) Demo (= other).

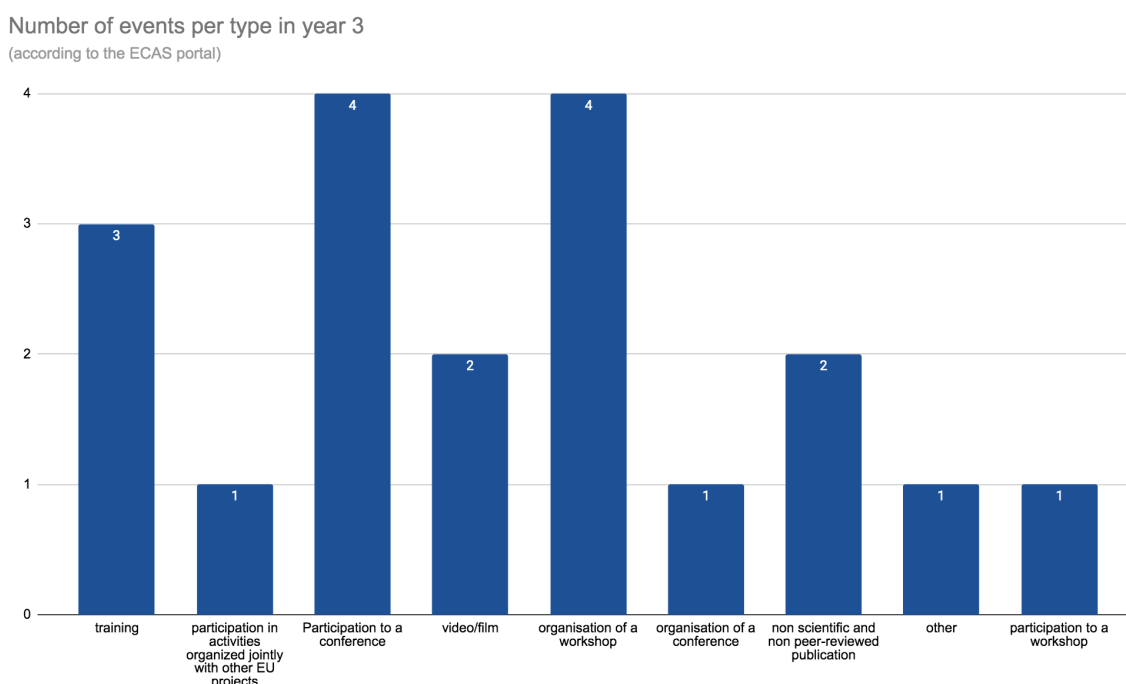


Figure 8: Number of attended events per type according to the ECAS portal

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 organized jointly with other EU projects, non-scientific and non-peer-reviewed publication, exhibition, flyer, communication campaigns, brokerage event, pitch event, trade fair, other.

The number of people reached at these online events due to the pandemic situation is visualized in figure 9 below:

A vast majority of people reached includes the scientific community; thanks to the publication of two videos on YouTube, we declared the views of these videos coming from the general public.

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

February 2020 - incl. January 2021

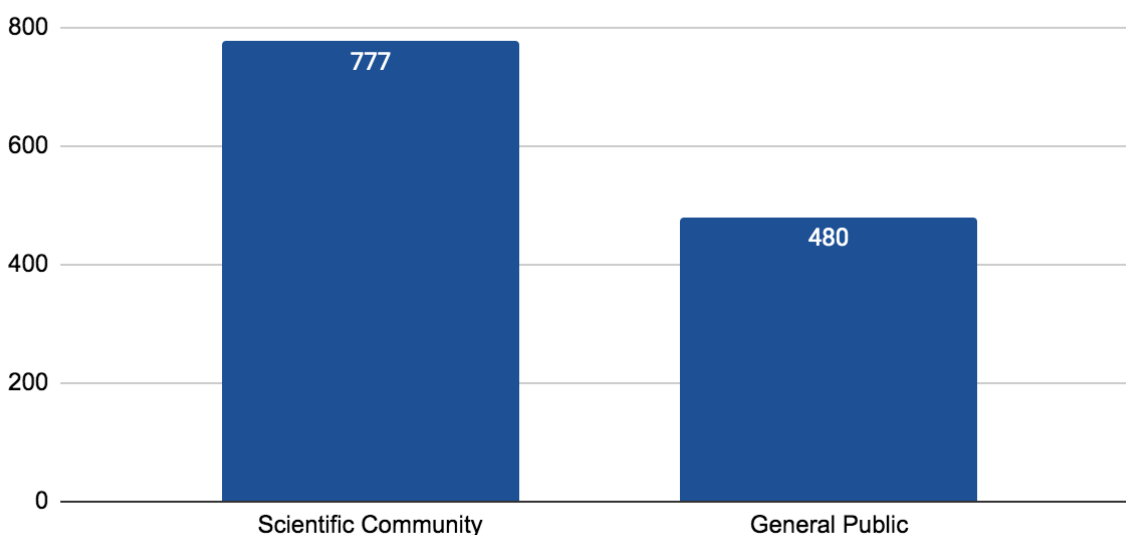


Figure 9: Number of people reached at attended events in year 3

5.4.4 Evaluation of Scientific Output

In the following chapter, we will list scientific output in the reporting period associated with the objectives. It might be the case that a publication can be associated with more than one objective and so it can be listed more than once.

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 6: Excerpt of Objective 2 in [D 7.5's table 2](#)

These are the publications associated with objective 2 in the reporting period:

Scientific journal articles:

- Toma Tasovac, Ana Salgado, & Rute Costa. (2020). Encoding polylexical units with TEI Lex-o: A case study. *Sovenščina 2.0, 2020(2)*, 28-57.

Scientific conference papers:

- Tanja Wissik, Thierry Declerck. 2020. Using an Infrastructure for Lexicography in the Field of Terminology. Proceedings of TOTH 2019, pp. 365-379.
- Christian Chiarcos, Maxim Ionov, Jesse de Does, Katrien Depuydt, Anas Fahad Khan, Sander Stolk, Thierry Declerck and John Philip McCrae (2020). Modelling Frequency and Attestations for OntoLex-Lemon. Presented at the Globalex Workshop on Linked Lexicography (@LREC 2020), pp. 1-9.

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 7: Excerpt of Objective 3 in [D7.5's Table 3](#)

These are the publications associated with objective 3 in the reporting period (all scientific conference papers):

- [NUIG-Panlingua-KMI Hindi↔Marathi MT Systems for Similar Language Translation Task @ WMT 2020](#). Atul Kr. Ojha, Priya Rani, Akanksha Bansal, Bharathi Raja Chakravarthi, Ritesh Kumar and John P. McCrae, Proceedings of the Fifth Conference on Machine Translation (WMT20), (2020). Abstract
- [On the Linguistic Linked Open Data Infrastructure](#). Christian Chiarcos, Bettina Klimek, Christian Fäth, Thierry Declerck and John P. McCrae, Proceedings of the 1st International Workshop on Language Technology Platforms at LREC 2020, pp 8-15, (2020). [PDF](#) Abstract
- [Modelling Frequency and Attestations for OntoLex-Lemon](#). Christian Chiarcos, Maxim Ionov, Jesse de Does, Katrien Depuydt, Anas Fahad Khan, Sander Stolk, Thierry Declerck and John Philip McCrae, Proceedings of the Globalex Workshop on Linked Lexicography (@LREC 2020), pp 1-9, (2020). [PDF](#) Abstract

- [Challenges of Word Sense Alignment: Portuguese Language Resources](#). Ana Salgado, Sina Ahmadi, Alberto Simões, John Philip McCrae and Rute Costa, Proceedings of the 7th Workshop on Linked Data in Linguistics: Building tools and infrastructure at LREC 2020, pp 45-51, (2020). [PDF](#) Abstract
- [English WordNet 2020: Improving and Extending a WordNet for English using an Open-Source Methodology](#). John Philip McCrae, Alexandre Rademaker, Ewa Rudnicka and Francis Bond, Proceedings of the Multimodal Wordnets Workshop at LREC 2020, pp 14-19, (2020). [PDF](#) Abstract
- [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 and Nicolai H. Sørensen, Proceedings of the XIX EURALEX International Congress, (2020).
- [Some Issues with Building a Multilingual Wordnet](#). Francis Bond, Luis Morgado da Costa, Michael Wayne Goodman, John P. McCrae and Ahti Lohk, Proceedings of the 12th Language Resource and Evaluation Conference (LREC 2020), pp 3189-3197, (2020). [PDF](#) Abstract
- [A Multilingual Evaluation Dataset for Monolingual Word Sense Alignment](#). Sina Ahmadi, John 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 Györfy, 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. Ureña-Ruiz, Kiril Simov, Petya Osenova, Zara Kancheva, Ivaylo Radev, Ranka Stanković, Cvetana Krstev, Biljana Lazić, Aleksandra Marković, Andrej Perdih and Dejan Gabrovšek, Proceedings of the 12th Language Resource and Evaluation Conference (LREC 2020), pp 3232-3242, (2020). [PDF](#) Abstract

And there is one other publication:

- [English WordNet: A new open-source WordNet for English](#). John P. McCrae, Ewa Rudnicka and Francis Bond, K Lexical News, pp 37-44, (2020). [PDF](#)

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	< 25 (not satisfactory)

	papers	> 25 (satisfactory)
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Table 8: Excerpt of Objective 4 in [D 7.5's table 4](#)

There were no publications uploaded for the reporting period that were tagged with objective 4.

5.4.5 Outlook

The various achievements of work package 7 within year 3 were described in detail in chapter 5.4. Taking into account the lack of planning reliability due to the pandemic situation, members of the work package needed to carry out their work under difficult (and at times uncertain) conditions, however, all members did their best to cope with the situation and came up with scenarios for alternative solutions.

Hence, we seek to carry out several future dissemination activities within the framework of the digital event series. Furthermore, we are planning the roll out of the LexMeet platform as a face-to-face substitute until we overcome the pandemic situation to keep fostering the community and for community building. Thus, we seek to approach the industry in the upcoming year and carry out additional communication via the LexMeet channel.