european lexicographic infrastructure

D7.5

FIRST YEAR COMMUNICATION AND DISSEMINATION REPORT AND UPDATED COMMUNICATION PLAN

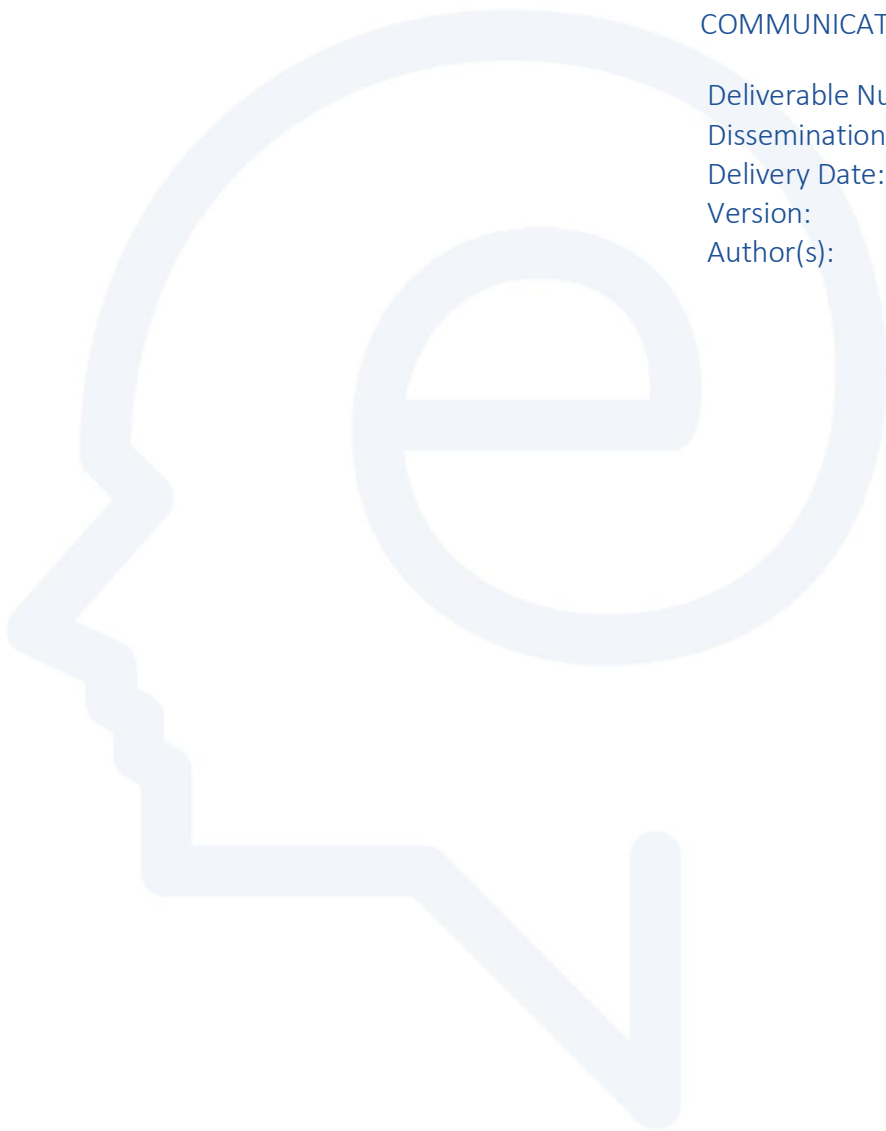Author(s): Anna Woldrich, Tanja Wissik

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1.   Executive Summary

This updated communication and dissemination plan ensures that the results of ELEXIS are exploited at partners' level, at consortium level and by external communities.
The activities are not limited geographically and address users world-wide because the outcomes of ELEXIS can realistically aspire to set universal standards for lexicography as well as for tools and applications to process data.

The strategic ELEXIS communication plan is set up with a broad audience in mind and builds an offline and online presence of the project with the aim to:

- disseminate the project goals and outcomes effectively
- roll out efficient tools for communication with different stakeholders (online and offline)
- build a loyal community of stakeholders to serve as intermediaries for reaching other communities
- exploit synergies in liaisons and collaborations with other infrastructures
- inform existing users, and ensure regular use of the ELEXIS infrastructure by recruiting new users
- promote organised events.

Since target-oriented and efficient communication needs to be strategic, integrated and participative, suitable measures are and will be planned and implemented to realize the strategic development of the communication in order to transport the identified image of ELEXIS to the target audiences.

This first year dissemination and communication report and updated communication plan is based on the description contained in the Grant Agreement as well as on information in Deliverable D7.3, which is available [here](#).

A vast majority of updates had been implemented in chapter 7 (Communication Channels), chapter 8 (Scientific Dissemination) and chapter 9 (Evaluation, Monitoring and Reporting), which distinguishes this report from Deliverable D 7.3:
Each of the chapters provide an overview of ELEXIS' performance within the first year, whilst evaluating and monitoring the outcomes a reference to the related goal is given.

2.   WHY: Introduction and Background – Analysis of the Situation

Reliable and accurate information on word meaning and usage is of crucial importance in today's information society. Traditionally, dictionaries – be they monolingual, bilingual or multilingual – have functioned as sources of consolidated and refined knowledge on word meanings.

Dictionaries are not only vast, systematic inventories of information on words, they are also important as cultural and historical artefacts. In each and every European country, elaborate efforts are put into the development of lexicographic resources describing the language(s) of the community. Although confronted with similar problems relating to technologies for producing and making available these resources, cooperation on a larger European scale has long been limited.

Consequently, the lexicographic landscape in Europe is currently rather heterogeneous. On the one hand, it is characterised by **stand-alone lexicographic resources**, which due to the isolation of prior efforts are typically encoded in incompatible data structures, prohibiting reuse of these valuable data in other fields, such as Natural Language Processing, Linked Open Data and the Semantic Web, as well as in the context of digital humanities. On the other hand, there is significant **variation in the level of expertise and quality of resources** available to lexicographers across Europe. This constitutes a major obstacle to more ambitious, innovative, transnational, data-driven approaches to dictionaries, both as tools and objects of research.

In 2013, the European lexicographic community was brought together for the first time in the European Network of e-Lexicography (ENeL) COST Action (www.elexicography.eu). This initiative was set up to improve general public access to scholarly dictionaries and make them more widely known to a larger audience. This networking initiative, which ended in 2017, started with 34 members from 20 countries but currently counts 254 members from 31 countries. In the context of this network, a clear need for a broader and more systematic exchange of expertise, for the establishment of common standards and solutions for the development and integration of lexicographical resources, and for broadening the scope of application of these high quality resources to a larger community, including the Semantic Web, Artificial Intelligence, NLP and digital humanities has become apparent.

Therefore, ELEXIS aims to develop strategies, tools and standards for extracting, structuring and linking lexicographic resources to unlock their full potential for Linked Open Data and the Semantic Web, as well as in the context of digital humanities.

ELEXIS intends to take an innovative approach of the production and development of lexico-semantic resources by creating intelligent applications for crucial tasks such as linking lexical resources, word sense disambiguation and cross-lingual mapping on the basis of applied methods and techniques in NLP and Artificial Intelligence fields.
In order to ensure the sustainability of the technical infrastructure after the end of the project, the created infrastructure will be integrated into the existing infrastructures CLARIN and DARIAH, since most of the partners are either National Coordinators or members of CLARIN and DARIAH national consortia.

Besides the technical infrastructure, ELEXIS will also create a social infrastructure by establishing a network for knowledge exchange and by providing free training measures (onsite and online) for lexicography and for the use of the infrastructure. Furthermore, ELEXIS will give researchers and research teams transnational access to research facilities and lexicographical resources, which are not currently fully accessible online or where professional on-the-spot expertise is needed. In order to ensure and optimise mutual knowledge exchange, travel grants for research visits will be offered. The transnational access will especially impact and improve the situation for under-resourced

languages and will all in all strengthen the (social) infrastructure and collaborative network provided by ELEXIS.

Even though the infrastructure has been set up as a European infrastructure according to current plans, there are thoughts to expand it beyond the European sphere in order to cater for the needs of researchers around the globe. As stated above, the need for an infrastructure which provides a 'hybrid' resource connected to other data structures, and a high level of expertise for more ambitious, innovative, transnational, data-driven approaches to dictionaries was formulated. ELEXIS' interdisciplinary approach links existing lexicographic resources on a significantly higher level compared to their availability as stand-alone resources: These resources are in fact results of long-term projects, and in most cases they represent the most consolidated and refined sets of knowledge on word meanings in individual languages. Regarding the need for a common platform for building, sharing and utilizing knowledge and expertise between the field of technology (e.g. computational linguistics, NLP, knowledge extraction, artificial intelligence) and lexicography, figure 1 visualizes the outstanding character of ELEXIS and the position it is going to strive for in (applied) research, compared to other relevant, existing initiatives in these fields. As illustrated in figure 1 below, there are a couple of initiatives that focus on standardisation of language data (e.g. ISO, TEI) and/or the provision of access to language data (e.g. CLARIN, META SHARE). However, most of these initiatives are concerned with language data in general and do not focus specifically on lexicographic data. Initiatives, that deal with lexicographic data, especially validated high quality data, are rare. Most of these offer access to one specific resource only (e.g. WordNet). Furthermore, most initiatives that are providing free and open access to lexicographic data are based on crowdsourcing activities (e.g. Wiktionary) or contain machine translations (e.g. BabelNet) and therefore have their issues. Other initiatives only provide restricted access or payed access to the available data (e.g. ELRA catalogue). Since ELEXIS aims to link, share, distribute and store high quality data on a massive scale, existing linked open data shall be included seamlessly.
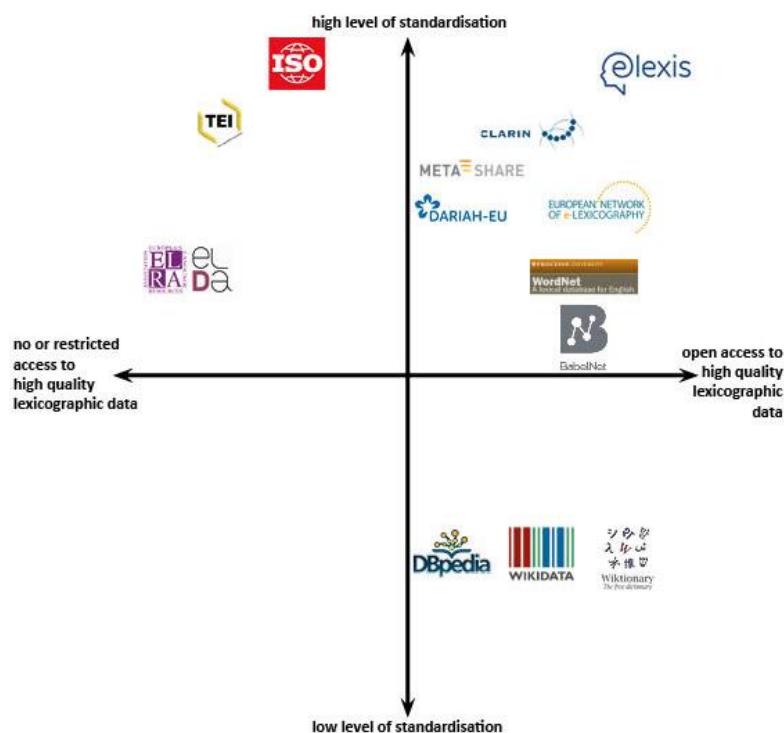
Figure 1: Positioning - ELEXIS

3.   HOW: Determination of the Targets

3.1. Overall Objectives

ELEXIS aims to develop 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.

Table 1 shows indicators how the accomplishment of this objective shall be measured:

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, Videolectures.net etc.)	Number of users in mid-term (M24)	<= 500 (not satisfactory) >= 500 (satisfactory)
Use of online training modules (#dariahTeach, Videolectures.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 1: Objective 1

ELEXIS wants to establish common standards and solutions for the development of lexicographic resources. Table 2 explains the realization of the second target:

OBJECTIVE 2 To establish common standards and solutions for the development of lexicographic resources		
Target outcome	**Indicator**	**Target**
Publication of standardisation document for lexicographic resources	Developed standard included in ISO or OASIS (end of project)	>= 1 new standard
Use of Data Seal of Compliance	Number of lexicographic resources with the Seal (end of project)	< 100 (not satisfactory) > 100 (satisfactory)
Use of conversion tools to harmonise the different data formats of lexicographic resources (Virtual Access)	Number of resources using API pipeline in LEX1 and LEX3 platforms Number of languages (X)	< 500 (not satisfactory > 500 (satisfactory) $X < 10$ (not satisfactory) $10 < X < 20$ (satisfactory) $X > 20$ (very satisfactory)
Scientific output on standardisation in lexicography	Number of scientific journal articles Number of scientific conference papers	< 3 (not satisfactory) > 3 (satisfactory) < 15 (not satisfactory) > 15 (satisfactory)

Table 2: Objective 2

ELEXIS intends to develop strategies, tools and standards for the extracting, structuring and linking of lexicographic resources. Table 3 shows how this objective shall be achieved.

OBJECTIVE 3

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

Target outcome	Indicator	Target
Publication of documentation on best practices for lexicography	portion of lexicographic resources using suggested solutions (end of project)	< ⅓ (not satisfactory) > ⅓ (satisfactory)
Use of linking tools for lexicographic resources (Virtual Access)	Number of resources using API pipeline in LEX1 and LEX3 platforms (end of project) Number of languages (X)	< 500 (not satisfactory) > 500 (satisfactory) X < 10 (not satisfactory) 10 < X < 20 (satisfactory) X > 20 (very satisfactory)
Scientific output on linking in lexicography	Number of scientific journal articles Number of scientific conference papers	< 5 (not satisfactory) > 5 (satisfactory) < 25 (not satisfactory) > 25 (satisfactory)

Table 3: Objective 3

ELEXIS aims to enable access to standards, methods, lexicographic data and tools for scientific communities, industries and other stakeholders. Table 4 shows in detail how objective 4 shall be implemented:

OBJECTIVE 4

To enable access to standards, methods, lexicographic data and tools for scientific communities, industries and other stakeholders

Target outcome	Indicator	Target
Use of tools for semantic processing of corpus data and corpus analysis tools (Virtual Access)	Number of users of LEX2 platform (M24)	users > 10.000 requests per day > 100.000
Use of tools for semantic processing of corpus data and corpus analysis tools (Virtual Access)	Number of users of LEX2 platform (M48)	users > 50.000 requests per day > 500.000
Creation of "Dictionary-on-the-fly" lexicographic data for different languages	Number of languages	< 30 (not satisfactory) > 30 (satisfactory)
Scientific output on automatic creation of lexicographic content	Number of scientific journal articles	< 5 (not satisfactory) > 5 (satisfactory)

(dictionary-on-the-fly)	Number of scientific conference papers	< 25 (not satisfactory) > 25 (satisfactory)

Table 4: Objective 4

ELEXIS promotes an open access culture, in line with the European Commission *Recommendation on access to and preservation of scientific information.* Table 5 points out the necessary outcomes, indicators and absolute numbers to compass:

OBJECTIVE 5 Promote an open access culture in lexicography		
Target outcome	**Indicator**	**Target**
Publication of guidelines on solving IPR issues in lexicography	Number of lexicographic resources using solutions from guidelines (end of project)	< 500 (not satisfactory) > 500 (satisfactory)
Lexicographic resources (individual data sets) available under open access licenses	Number of lexicographic resources (end of project)	< 100 (not satisfactory) > 100 (satisfactory)
Meta-data from lexicographic resources available under open access licenses (Linguistic Linked Open Data)	Number of lexicographic resources (end of project)	< 500 (not satisfactory) > 500 (satisfactory)

Table 5: Objective 5

3.2. Overall Impact

ELEXIS is informed by the conviction that lowering the barrier for retrieving and analysing multilingual lexicographic data across Europe cannot be accomplished in the long term without lowering the barrier for providing lexicographic data to research infrastructures. As a result, the following impacts are to be achieved:

a) Efficient (open) **access to high quality lexicographic data** for researchers, institutions and stakeholders from different fields;

Through ELEXIS *lexicographic communities* working on scholarly dictionaries, language description and standardisation will gain access to:
- modern and retro-digitized historical lexicographic data,
- large amounts of linked and integrated semantic data and extracted structured data from text corpora and multimodal resources,
- tools for processing language data and for supporting
- training measures

- networking events (meetings, conferences, workshops)

Computational linguistics and language resources communities will gain access to currently inaccessible data from quality lexicographic resources and interlinked semantic data, as well as extracted data from corpora and multimodal resources.

Digital humanities communities will gain user-friendly and efficient access to modern and historical lexicographic resources as cultural and historical artefacts, supporting research in a wide area of humanities disciplines such as history, religion, gender studies, literature and education.

Industrial partners in ELEXIS will be able to take the role of intermediaries between research and industry in language technology and language learning, as well as lexicography and lexical content publishing in general. The interest of the industry is evident from participating partners and from the letters of interest by important stakeholders in the field.

b) A common **platform** for building, sharing and utilizing knowledge and expertise between lexicography and computational linguistics which will facilitate **cross-disciplinary fertilization** and a wider sharing of information, knowledge and technologies across and within these fields. The platform will thus bridge the gap between lesser-resourced languages and those with advanced e-lexicographic and/or computational linguistic experience;

Language resources used for natural language processing which were also funded by European Structural and Investment Funds, particularly in the case of lesser-resourced languages (e.g. Slovenia - http://eng.slovenscina.eu/) will be enhanced by linking them with results of nationally funded (long-term) lexicographic projects, encouraging synergetic processes between the two types of funding.

Previously inaccessible lexicographic data will be made available for research through virtual access platforms and through visiting grants in transnational access: ELEXIS trans-national access (TNA) activities aim to promote access to researchers or research teams for research facilities and lexicographical resources, which are not fully accessible online or where a professional on-site expertise is needed, in order to ensure and optimise mutual knowledge exchange and cross-fertilisation.

Online training materials and on-site training measures on innovative e-lexicography (e.g. with suggested ECTS) produced by education partners (at universities) will be incorporated into existing curricula.

Language teaching and language learning communities will be able to develop and use new improved training materials, based on the (open) access to lexica interlinked on a large scale.

Both *computational linguistics and lexicography* will be able to achieve a higher level of language description and text processing in a virtuous cycle of cross-disciplinary knowledge and data exchange.

In *humanities disciplines* (e.g. history, religion, gender studies, literature, education) new resources and services can be used for cross-lingual studies, based on interlinked and integrated semantic data;

Artificial intelligence systems will be able to make use of lexicographic data in repositories, interlinked semantic data and extracted data from multilingual and multimodal resources.

c) The creation of a **scalable, multilingual and multifunctional language resource**. By integrating and linking lexical content and interlinking it with other structured or unstructured data – corpora, multimodal resources, etc. – on any level of lexicographic description, a multilingual and multifunctional language resource will be created incrementally enriching the available information;

Stand-alone modern and historical lexicographic resources available as isolated incompatible data will be linked, integrated and enriched on different levels. A scalable, multilingual and multifunctional language resource will be created by:

- <u>linking resources:</u> providing links between different elements of dictionary entries (lemmas/headwords, senses, definitions, multi-word expressions, etymologies, etc.) enabling any dictionary(-element) to be linked with all other dictionaries (or dictionary elements). As a result, a growing network of existing dictionaries linked across common concepts via a huge (multilingual) index will be available.
- <u>integrating resources:</u> information from individual resources will be taken and put together in a new resource or rather aligned to create a combined resource. Hence, any combination of existing (linked) resources resulting in a new resource will be available for immediate use and provides accordingly a starting point for creating a novel individual lexicographic resource.
- enriching resources: with multimodal data (image, sound, video) and unstructured text (corpora, news feeds, social media, etc.) A portal with cross-lingual and cross-media information on word usage will be created;

  A universal (integrated and enriched) registry/network of semantic relations used as a semantic intermediary language for global knowledge exchange will be created, which focuses on difficult polysemous vocabulary (single-word and multi-word), both modern and historical. The realisation of an universal lexicographic metastructure shall be approached, implementing a matrix dictionary spanning across languages and time.

Information from quality lexicographic resources and interlinked semantic data will be opened up and made available for use in commercial scenarios, based on ELEXIS work on IPR issues currently hindering the accessibility of the data.

Lexicographic data will be evaluated by an industry-supported data seal of compliance.

Thus the use of this new technology and data in industry shall be enabled.

d) a new type of lexicography that no longer views languages as isolated entities, but fully embraces the **pan-European nature of** much of the **vocabularies of languages** spoken in Europe;

Currently isolated European language infrastructures working on lexical description of individual languages in national language institutes and standardisation bodies will be joined in one pan-European infrastructure.

Close links and synergies will be established between CLARIN and DARIAH, with ELEXIS working on top of existing services as a new user community.

Hence, inter-infrastructure synergies and optimisation shall be established.

e) Ihe inter- and multidisciplinary nature of lexical data will help researchers ask new questions and pursue new avenues of research.

Research or study of lexica in linguistic studies and related disciplines will be enabled by massive interlinking of previously isolated lexicographic resources, which can lead to new discoveries, particularly in the semantic domain.

3.3. Dissemination Activity Impact

In order to educate a new generation of researchers who understand the full potential of digital research infrastructures and know how to use them in their research, who optimally exploit the existing state-of-the art tools and who are able to create open, standards-compliant lexical datasets, tools and applications that can be fed back into the infrastructures and shared with other researchers, ELEXIS will:

- Create robust **documentation, guidelines and collections of best practices** in order to promote clearly defined workflows for producing, describing and annotating lexicographic research outputs in accordance with international standards and interoperable formats;
- Organize **workshops, seminars, and conferences** in order to support dynamic knowledge exchange across national borders about 1) harmonizing access to resources by developing joint conceptual and metadata models for advanced data exchange, large-scale data mining and enhanced discoverability; and 2) preventing a duplication of services by fostering better coordination of activities between national and transnational efforts in the field of lexicography; 3) developing new tools, applications and APIs etc. to support the processing of lexicographic data

- Provide **online training modules** with suggested ECTS credits that can easily be incorporated into existing curricula, in partnership with #dariahTeach, an Erasmus+ funded Strategic Partnership for developing, maintaining and delivering modular, extensible and localizable training materials in Digital Humanities and related fields, now a DARIAH Working Group.
- Set the groundwork and launch a campaign for the establishment of academically recognized and industry-supported **data seal of compliance** for lexicographic data (similar to CoreTrustSeal for certification of Trustworthy Data Repositories (https://www.coretrustseal.org/) but focusing exclusively on access to high-quality lexical data);
- Establish an **international forum** with both academic and industry stakeholders to explore the **socio-economic challenges** of lexicographic data as open data and provide innovative solutions for bridging the gap which currently divides academic from commercial lexicography, both in terms of copyright issues and sustainability models;

- Pursue a **dynamic communication strategy** using a dedicated website, newsletters and social media in order to disseminate project outputs to a wide circle of stakeholders within academia, the industry as well as the general public;
- Increase the wider social impact of the digital research infrastructure by **supporting innovative interdisciplinary approaches and partnerships** in analysing, visualising and mapping lexical data in cooperation with various stakeholders from the educational and the cultural heritage sectors as well as the media.

3.4. SWOT Analysis

The way in which the ELEXIS-project was initiated on behalf of the consortium, as well as the context in which the project is going to operate, leads to a number of unique strengths, weaknesses, opportunities and threats regarding its communication and dissemination objectives:

The *strengths* of the project are articulated in the large network of partners, involved in existing research (infra)structures with their communication channels, rather than the existence of representatives from each target audience within the consortium, the projects long term vision, as well as the digitization of analogue resources in a transdisciplinary framework, which promotes a use of the 'state-of-the-art' standardization-tools.

The *weaknesses*, such as the difficulty of tailoring messages to specific target groups in order to reach audiences beyond academia and the downsides of putting too much weight on lexicographic aspects in communication activities should likewise be considered.

On the other hand, ELEXIS offers *opportunities* to support smaller organizations and/or projects, whilst involving lesser resourced languages through linking those and others to a globally rolled out, validated, open data source, which might fertilize other science fields, predominantly the natural sciences, to participate and refine their digital and analogue lexical resources.

Identified *threats* manifest themselves in the targeted (non lexicographical) audiences not being familiar with lexicographic terminologies and concepts, consequently missing out communication and

participation approaches specifically addressed to them after losing interest in the project rather than not being aware of the project's existence.

Language institutes might struggle with breaking down established, existing (traditional) practices and standards, whilst other observers might show unwillingness to make their data available under open access.

Another threat-issue is addressed in missing (new) output and outcomes due to a non-efficient collaboration with ELEXIS partners, while they themselves might fail to support the infrastructure's sustainability, by limiting themselves to contributing input but not providing information and tutorials regarding the platforms usability. As a consequence, a non-efficient use of the infrastructure due to a lack of information on how to use it should be considered.

Table 6 visualizes the strengths, weaknesses, opportunities and threats described above:

Strengths	Weaknesses
- large network of partners (and their contacts) - most partners are involved in existing research structures with multiple communication channels - representatives from each stakeholder group and user community are present in the consortium - project's long-term vision - old, analogue knowledge will be reanimated and made digitally available - transdisciplinarity – linking different research fields digitally/online - partners actively involved in using and promoting state-of-the-art lexicography	- tailoring messages to diverse audiences/target groups may be difficult - difficulty reaching audiences beyond academia - too much weight on lexicographic aspect in communication activities
Opportunities	**Threats**
- support smaller organizations/projects by engagement and support - involvement of lesser resourced languages – giving them a spotlight - natural sciences may be fertilized by the infrastructure provided, developing/updating their digital cyclopaedia/dictionary (e.g. animals and plants) - infrastructure may be rolled out beyond European borders - linking different languages (and researchers) - establishing common standards across languages and countries	- target audience not familiar with lexicographic terminology and concepts - missing output due to non-efficient collaboration with partners - not making infrastructure sustainable due to project focus of the partners - difficulties with breaking down existing (traditional) practice of established language institutes - unwillingness of observers to make data available under open access - non-efficient use of infrastructure due to lack of knowledge of how-to-use

● Increasing the availability of validated open data	

Table 6: SWOT - Analysis

3.5. Communication and dissemination principles

A set of basic principles will ensure, that the projects strengths and opportunities are rolled out during its evolution, whilst the above mentioned weaknesses and threats shall be diminished, managed and faced with awareness.

1. *Adaptability*: Given the scope of the project and the specific themes involved, the communication strategy needs to be comprehensive enough to cover the project as a whole, while being adaptable to other parties and stakeholder communities, which could benefit from the project discoveries, infrastructures and outcomes. For example, specific channels will be used to reach particular target groups, and dissemination materials may have to be tailored to the needs of different end users.

2. *Flexibility*: ELEXIS' communication through its distribution channels needs to be flexible and open in order to create a responsive framework for being aware of needs and challenges in its attempt to address audiences through its communication activities.

3. *Dynamism*: Adaptability and flexibility combined generate a dynamic element. A dynamic strategy is a key to maximise the impact of ELEXIS.

4. *Wording*: On the one hand, ELEXIS speaks to academic users (researchers, students, etc.) in lexicographic and technical (NLP, machine learning, open data) fields as well as the field of Digital Humanities on the other hand, it addresses decision makers (e.g. standardisation bodies), the industry and the public at large.
   Therefore, ELEXIS will follow a multi-layered communication strategy that uses proper language with tailored messages (specialised, technical/linguistic vocabulary vs. jargon-free language) to speak to its audiences.

5. Embracing *synergies*: ELEXIS is a project that spans beyond existing research infrastructures, integrating initiatives and e-infrastructures in the fields of Digital Humanities, Linguistic Studies, Lexicography, Computational Linguistics and all fields related to technological research aspects like machine learning, (linked) open data, artificial intelligence, language technology etc., involving industrial partners and publishers. Given the fact that networks, communication channels and dissemination at partner institutions, related research infrastructures (e.g. DARIAH, CLARIN at national as well as European level) or related projects (e.g. Parthenos, dariahTeach) are already in place, specific communities of interest can be reached.
   ELEXIS dissemination project members will be encouraged to intercommunicate transnationally, to exploit to the fullest the synergy that can be achieved by building bridges between these existing resources and must avoid a duplication of effort. Therefore, the

coordination and cross-fertilisation of existing and new communication and dissemination activities and channels is central.

4. WHO: The Audience - Target Groups

Various types of users and external audiences will benefit from the scalable project outcomes. The project addresses not just a direct audience but also reaches out to intermediaries on a pan-European level.

In order to reach different target groups, multi-channel dissemination actions will be carried out, with information adjusted to the level of needs and involvement of the targeted audience. Several major target groups have been identified[1]:

4.1. Target Group 1: Lexicographers & Linguists

This audience might be the group most interested in realizing this project: This group includes lexicographic professionals and all those, who undertake lexicographic-related projects and researching in the fields of Lexicography, language studies, translation studies, literature, cross lingual studies and so forth. This group comprises:

- Professionals doing large - and small-scale lexicography, teams, researchers, teachers, trainers and students

- Professionals and practitioners like language professionals, translators, terminologists, proofreaders and others who use or produce linguistic resources in their daily professional life

This target group contains both providers and consumers of language and lexicographical data and users of the tools related to the processing for such data.

4.2. Target Group 2: Technology Experts

This audience is determined by undertaking research in the IT - technology sector, in fields such as the semantic web, computational linguistics, language technology, artificial intelligence or NLP.

Especially those, who are both producers and consumers of (big) data, the "prosumers", are addressed: the lexical, linked open data provided by ELEXIS can be exploited for IT applications. Since the infrastructure offers an enormous, multilingual database, a set of high quality data (data seal of compliance) will be made available.

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[1] Since the target groups described in the GA were quite heterogeneous, we organized them in more homogeneous groups in this communication and dissemination plan in order to be able to target them with tailored messages. However, the usage scenarios for professional large scale /small scale and spontaneous small scale lexicography are still covered.

4.3. Target Group 3: Digital Humanities Experts

ELEXIS offers an enormous quality data resource, which will function as a reference and linking source for researchers, students and professionals in the field of digital humanities. ELEXIS' infrastructure provides a sense registry that can be used as a reference-resource for any Digital Humanities-related research field, such as history, political science, religion, gender studies, education, etc. Furthermore, especially the retrodigitised sources can be used as primary resources to answer new research questions in Digital Humanities.

4.4. Target Group 4: Internal Stakeholders

Within this target group, professional organisations, associations, authorities and non-profit organisations are addressed, which are related to the project. The common denominator of this audience is its federal character:

In this group organizations like language standardisation bodies and their umbrella organisation EFNIL (European Federation of National Institutions for Language), members of the consortium, the International Alliance for Lexicography, the Global WordNet Association and lexicographical projects like CLARIN and DARIAH are addressed.

4.5. Target Group 5: External Stakeholders

This group includes institutes and/or departments undertaking projects and research carried out on a high level of profession, which are connected to lexicography-related/ language-related fields indirectly. Nevertheless they articulate an interest in learning about the project and its outcomes and services provided. The educational aspect of ELEXIS, learning materials and training measures represent points of interest for the interested academia, which is addressed in:

- national language institutes
- universities
- research institutions
- academia
- cultural heritage institutions (e.g. museums)

Many institutions are existing members of already established (lexicographic) networks (e.g. ENeL) and platforms (e.g. Sketch Engine), which will be used additionally to address this audience.

Since this group is attributed an influential potential on a regional/national level, an added value represents the observer status, which will be offered to them.

Furthermore, representatives of this user group might be invited to join ELEXIS as an observer.

Furthermore, they will be invited to contribute to the evaluation of user satisfaction and usability for improvement of the infrastructure provided.

4.6. Target Group 6: Commercial Entities

ELEXIS and its outcomes are also of interest for the industry, such as publishing houses, software/app developers, data experience designers and the language industry (- also in connection with large lexicographic projects).

ELEXIS' industrial partners provide a large network of business partners, which will be updated of relevant information about the outcomes of and innovative services provided by the project. Industrial partners will act as intermediaries between research and industry in language technology and language learning, as well as lexicography and lexical content publishing in general.

Furthermore networks such as LT-Innovate - The Language Technology Industry Association or local and national association of publishing houses as well as the International Publishers Association (IPA), the world's largest federation of national, regional and specialist publishers' associations, can be targeted as part of this user group.

Representatives of this group might be invited to become observers in ELEXIS.

4.7. Target Group 7: Language and Technology Aficionados

This group addresses semi-professionals, amateurs and all associates, who are affected by language(s) and/or technology in any way possible. People of interest in this group are:

- poets, authors, language artists, lay translators, lay interpreters
- private individuals of lesser resourced languages
- gamers and programmers

Therefore, this group will be provided with information the on the solution in LEX2 infrastructure that are suitable for non-professionals: online dictionary-writing systems, gaming and crowdsourcing/gamification software, etc. as well as dictionary data.

To summarise, target group 1 – 3 and target group 7 are individuals and target group 4 to 6 are entities like academic institutions, networks, professional associations, companies, the media etc.

The following table summarises the communication policies that ELEXIS participants will undertake in correspondence to the target audience:

Target group	Description/example	Dissemination approach	Activities/channels
Lexicographers & Linguists			
Researchers Research Teams	- Researchers/ - research teams doing lexicography on a highly professional level (e.g. professional large scale lexicography, professional small scale lexicography) - Regional, national and global associations of lexicographers (e.g. Euralex, Globalex, Asialex, Afrilex, Australex)	This group is interested in the sharing their resources and enhancing their resources, in accessing high quality language data and in using the tools provided in the infrastructure. Furthermore the group is interested in the educational aspects, such as learning materials and training events. Dissemination to this group will focus on disseminating the solutions in LEX2 and LEX3 infrastructures. This will be done through European and international conferences/workshops, scientific newsletters, magazines, websites, etc. Special effort will be made in relation to individuals working on lesser-resourced languages.	● website ● social media ● mailing lists ● scientific papers/dissemination ● targeted workshops, scientific events ● online training courses, training measures
Teachers/ Trainers, Students	Students/teachers of: - Lexicography - Language Studies - Translation Studies - Literature - Cross Lingual Studies		
Professionals and Practitioners	- language professionals - translators - proofreaders - users/producers of linguistic resources - terminologists		
Technology Experts			
Researchers Research Teams	Researchers in technology sector: - semantic web - artificial intelligence - NLP - computational linguistic - language technology	This group is interested in: - generating and processing (big) data - access to (high) quality data (monolingual, bilingual, multilingual); ELEXIS offers this audience to exploit the lexical data provided for IT applications.	● Website ● Social media ● Mailing lists ● Scientific papers/dissemination ● Targeted workshops, scientific events ● Online training courses, training measures
Teachers, Students	of the fields mentioned above		
Professionals and Practitioners	- generating and processing big data and high quality data - "prosumers" of data		

Digital Humanities Experts			
Researchers Research Teams Teachers, Students Professionals and Practitioners	researchers and students in digital humanities, such as: - history - religion - gender studies - education	Digital Humanities will benefit from the infrastructure provided in many ways, since ELEXIS offers them - reference (re-)sources - linking sources - sense registry	● Website ● Social media ● Mailing lists ● Scientific papers/dissemination ● Targeted workshops, scientific events ● Online training courses, training measures
Internal Stakeholders			
Professional organisations, Associations, Authorities, Non-profit organisations	- Consortium Members themselves - Organisations and networks the consortium members are part of: - EFNIL - International Alliance for Lexicography - Research Infrastructures within the arts and humanities (CLARIN, DARIAH…) - wordNet community	Since the EFNIL-website (http://www.efnil.org/) is part of the ELEXIS-communication network, notes regarding ELEXIS' results and outcomes will be disseminated there;	● Website ● Scientific papers ● Targeted workshops, scientific events ● Online training courses, training measures ● Brochures, publicity material ● International Lexicographic Alliance (long-term community building) ● Measuring user satisfaction and usability
External Stakeholders			
Institutes/ departments undertaking projects and researching on a high level of profession	- National language institutes - Universities - Research institutions - Academia - Cultural heritage institutions	These stakeholders are interested in ELEXIS services: LEX1, LEX2, LEX3; this group is relatively influential on national or regional level; Individual institutions will be approached and offered observer status in ELEXIS. Many institutions are existing users of the Sketch Engine tool and other established (lexicographic) networks (e.g. ENeL) and will be approached through these channels.	● Website ● Scientific papers ● Targeted workshops, scientific events ● Online training courses, training measures ● Brochures, publicity material ● International Lexicographic Alliance (long-term community building) ● Contribution to evaluation of user satisfaction and

			usability
Commercial Entities			
Industry	- Publishing houses - Software/app developers - Data experience designers - Data protection officers - Language industry (especially companies who are involved in large lexicographic projects) / language learning industry - Business partners of industrial partners - Local, national and global associations of publishing houses, language technology industry etc.	Dissemination will focus on large dictionary publishers, content providers and other businesses interested in lexicography and (open, linked) data, as well as tool providers who would benefit in testing their tools and algorithms on big language data. The two industrial partners in ELEXIS (LC, KD) have a large network of business partners. Representatives of this group might be invited to become observers in ELEXIS;	● Website ● Targeted workshops, training measures ● Online training courses ● Brochures, publicity material ● International Lexicographic Alliance (long-term community building) ● Contribution to evaluation/ measurement of user satisfaction and usability
Media	- Media as data provider of language data (e.g. corpora of news articles)	Dissemination will focus on the already available network within the consortium to the media to approach the media as data provider for the ELEXIS infrastructure	● Personal contacts to press agencies due to former projects by consortium members
Language and Technology Aficionados			
Semi-professionals, Language amateurs, Individuals affected by language(s) and/or technology, Users of lesser resourced languages	- Poets - Authors - Language artists - Gamers - Language aficionados - Technology aficionados	Dissemination to this group will focus on disseminating the solution in LEX2 infrastructure that are suitable for non-professionals: online dictionary-writing systems, gaming and crowdsourcing/gamification software, etc. and the available dictionaries	● Website ● Social Media ● Mailing lists ● Online training courses (tutorials) ● Public events such as European Researchers' Night

Table 7: Target groups and dissemination policies

6. WHAT: The Tailored Messages

ELEXIS aims to address each group of interest with a specific, tailored message, which will build and foster a loyal community and encourage organic dissemination - a vital prerequisite for effective exploitation of the project results by the widest community possible.

It should be noted, that the following messages are not prescriptive, therefore they can be adapted and changed if needed (as described in chapter 4).

5.1. General Message

The general message represents the official definition of the project, displayed on the project's website (www.elex.is) and will be used on official dissemination materials:

Opening up dictionaries, linguistic data and language tools for European communities.

5.2. Message for Lexicographers & Linguists (Target Group 1):

The key points of interest for this group are

- Sharing and enriching language (especially lexicographic) data;
- Using the infrastructure to process data;
- Learning about new methods, best practices and standards in the field of lexicography;
- Exchanging knowledge and experience with a community;

On the one hand, lexicographers are addressed to *use* the infrastructure provided, on the other hand they will be encouraged to *contribute and share* their data to enrich the infrastructure with lexicographical data input. Special attention will be drawn to researchers working with lesser-resourced languages.

Furthermore the educational aspects provided by the infrastructure, such as learning materials and training measures, especially regarding the solutions provided by LEX2 and LEX3 services are of interest for this user group as well as the knowledge exchange with a whole community. Therefore, two messages are formulated:

a) to incite lexicographers to *use* the infrastructure

Join ELEXIS to get free access to a lexico-semantic infrastructure providing multilingual data!

b) to invite lexicographers to *contribute and share* their data within the infrastructure

Join ELEXIS to enrich your own lexicographic data and benefit from a whole community.

c) to invite lexicographers to *exchange knowledge* with a whole community and to learn about new developments in the field.

> Join ELEXIS to exchange knowledge and learn about new tools, best practices and standards.

5.3. Message for Technology Experts (Target Group 2):

High quality language data is hard to get. ELEXIS offers this audience to exploit the lexical data provided for IT applications under the umbrella of a validated *data seal of compliance.* The data, where possible, will be provided with open access. Thus, better availability of validated, high quality data especially for minority and under-resourced languages will increased.

By improving large scale resources such as BabelNet and the sense disambiguation tools and resources, NLP is better able to understand large texts. Technology Experts can train their algorithm on large validated high quality data and improve the performance of their tools and applications. In analogy to "garbage in, garbage out" we could say "high quality in, high quality out".

Therefore this audience will be approached with the following message:

> Join ELEXIS to improve the quality of your algorithms and applications with validated, (linked open) language data.

5.4. Message for Digital Humanities Experts (Target Group 3):

ELEXIS offers this audience a huge data resource, they can refer and link to and therefore use it in many different ways and projects. Furthermore through the retrodigitization component of ELEXIS they will have access to a treasury of lexicographical data treasury of historical lexicographical data that can be used as< basis for future research projects for example in history, linguistics, sociology, literary studies, history of science. Furthermore this user group will benefit from the discussion on legal issues and standards. Accordingly, this audience will be addressed with the following messages:

a) to incite Digital Humanities experts to use the infrastructure and its data

> Join ELEXIS to get free access to a treasury of historical lexicographical data and reference resources.

b) to stimulate knowledge exchange

> Join ELEXIS to exchange knowledge and learn about best practices and standards.

5.5. Message for Internal Stakeholders (Target Group 4):

The internal stakeholders are the ELEXIS consortium partners and the associations, networks and research infrastructures, the consortium partners are part of. They were supporters of ELEXIS right on from the beginning, since they were involved for smoothening the way to realize this project.

They have had articulated issues and points of interest regarding

- a Data Seal of approval for valid data and its establishment
- intellectual property rights (IPR) / copyright legal issues and how to deal with those for opening up the data source digitally
- the need to establish new lexicographic standards
- the support of lesser-resourced languages

Since already the consortium itself is a very big group and not everybody is involved at the same level, internal stakeholders will be kept in the loop regarding ELEXIS' news, results and outcomes (e.g. scientific papers, internal meetings, events) through the internal ELEXIS mailing lists, internal meetings and events, the ELEXIS Event calendar, the ELEXIS website, the ELEXIS social media channels and the ELEXIS newsletter. The communication to this target group is reciprocal, transparent and dynamic:

Members will be encouraged to follow ELEXIS' communication channels (online) and participate in ELEXIS events (offline) and workshops (online and offline) in order keep track of the progress of the project and to able to communicate the latest developments to the outside. It is important, that new colleagues entering the project will be pointed to the different ELEXIS communication channels in order to learn about the project and its developments.

Individual internal stakeholder - members shall be empowered to act as intermediaries to reach out to new communities, organisations, researchers and business partners of interest and therefore they have to be up to date with the latest developments.

ELEXIS will follow internal stakeholders on social media and ELEXIS consortium members will attend relevant events organized by ELEXIS partners (list of events: chapter 8) in order to reach out to and interact with new regional and international players.

For the internal stakeholders the following message will be used:

> Stay informed. Subscribe to our mailing lists, newsletter and follow us on Twitter and Facebook and join our events!

5.6 Message for External Stakeholders (Target Group 5):

Since this audience is represented by institutes and departments undertaking projects and research on a high level of profession, as well as associations and networks, this group is relatively influential on a international, national or regional level.

Therefore individual institutions will be approached and offered observer status in ELEXIS to provide them with information about the LEX1, LEX2 and LEX3 services.

Many institutions are part of already established (lexicographic) networks (e.g. ENeL, Sketch Engine) and will be approached through these channels as well to create awareness for ELEXIS.

For this target group the following message will be used:

> Join ELEXIS with an *observer status* and get access to a scalable, multi-lingual and multifunctional infrastructure with validated high quality data as well as benefit from innovative teaching activities in the field..

5.7. Message for Commercial Entities (Target Group 6):

This target group includes the industry, such as large dictionary publishers, language technology companies, companies in the field of semantic web technologies, businesses and their representatives interested in lexicography and (open, linked) data, like data experience designers, data protection officers, software and app developers etc. The target group includes also professional associations and networks. Furthermore the media, as data provider (e.g. corpora of news articles) will be targeted.

The two industrial partners in ELEXIS (LC, KD) have already established a large network of business partners, ELEXIS can benefit from.

Accordingly representatives of this group will be invited to become observers in ELEXIS:

> Join ELEXIS with an *observer status*, enhance your data by accessing our infrastructure, our tools and services based on validated high quality data.

5.8. Message for Language and Technology Aficionados (Target Group 7):

Communication to this audience will focus on the solutions provided in LEX2 infrastructure that are suitable for non-professionals: online dictionary-writing systems, gaming and crowdsourcing/gamification software, etc.

Private individuals, especially those who are speakers of lesser-resourced languages, those who show an interest in the fields of technology and language in general, citizen science and crowdsourcing, shall be addressed with the following messages:

    a)   for language lovers, language artists, poets and authors:

> It's all Greek to you? ELEXIS can help you by providing multilingual language resources.

    b) for gamers, programmers and individuals affected by technology, the message formulated to address the audience of technological experts will be re-used:

> Join ELEXIS to improve the quality of your algorithms and applications with validated language data.

c) for individuals interested in crowdsourcing and citizen science:

Got a solution? - Join ELEXIS to be a part of an international crowdsourcing-community.

6. WHEN: Multi-level Communication

One of the main challenges for ELEXIS - communication is to address appropriately all of its stakeholder communities and target groups.

This implies that ELEXIS needs to support communication and dissemination activities to satisfy the needs of professional and research communities as well as the general and "jargon-free" interested public, in order to attract attention.

The way, in which the audiences shall be addressed (online and offline), varies, depending on the target group itself:

Audiences, such as lexicographers & linguists, technology experts, Digital Humanities experts, internal and external stakeholders, shall be addressed in an educational, informative, institutional way.

The adequate target-oriented wording should be enriched for example with videos and photos in order to attract attention.

The interested public shall be addressed in a entertaining and infotaining, way. To get the attention of speakers of under resourced-languages, ELEXIS is providing the option to publish postings not only in English but also in other languages, especially under-resourced languages (or at least parts of it), to draw attention and get this community on board.

Given the fact that all online and offline communication and dissemination activities aim to create awareness about and interest in ELEXIS in the first place, all used (social media) platforms aim to be connected in their output whilst providing specific information, addressing different audiences of interest.

In order to interact and communicate with the different target groups, different communication tools, such as framing and storytelling will be adopted and used and tailored for the specific platform and audience.

Furthermore, call-to-actions will be initiated, e.g. grants for research visits, to encourage researchers to participate and optimise mutual knowledge exchange and to strengthen the social layer of the ELEXIS infrastructure.

7. WHERE: Communication Channels

Since each project partner was committed to create a high level of publicity for the project right from the beginning, the launch and objectives of ELEXIS are communicated through partners' communication channels (e.g. press releases, newsletters, news-related media, website, social media etc.) - to generate broad public awareness of ELEXIS activities.

Nevertheless, ELEXIS is also establishing its own communication channels, to bundle partner activities and produce its own output, whilst *collaborating* with its partners to foster community building by generating awareness (online and offline) and stimulate participation.

ELEXIS can count on a variety of available (communication) channels and resources (listed below in Table 8)), that are managed either by ELEXIS, ELEXIS consortium partners or third parties. It is important not only to use our own channels and resources but also third party channels in order to raise the projects reach. The list is not exhaustive and will be expanded during the lifetime of ELEXIS.

ELEXIS - channels	ELEXIS - partner channels	3rd party channels
Facebook: @elexis.official Twitter: @elexis_eu #elexis_eu YouTube (upcoming) Homepage: https://elex.is/ E-mail: info@elex.is elexis.eu@gmail.com Mailing lists Newsletter ELEXIS events ELEXIS training measures	OeAW/ACDH: - Twitter (@ACDH_OeAW, @oeaw) - Homepage(s): https://www.oeaw.ac.at/acdh/ https://www.oeaw.ac.at/ INT: - Twitter (@ivdnt) - Homepage https://ivdnt.org/ - INT Newsletter DSL - Homepage: https://dsl.dk/ - Facebook (@DetDanskeSprogogLitteraturselskab) - Twitter (@DenDanskeOrdbog) UCHP: - Homepage: https://cst.ku.dk/ https://leksikografer.dk/ledanyt/ - Danish Lexicographers' Newsletter *LedaNyt* KD: - Homepage: https://lexicala.com/ - Twitter https://twitter.com/kdictionaries IBL: - Homepage http://ibl.bas.bg/en/ RILMTA: - Homepage http://www.nytud.hu/eng/	● Channels (e.g. website, social media) of national press agencies (e.g. APA, STA) ● Third party events/ joint events (chapter 7) ● Channels (e.g. websites, mailing lists, social media) of lexicographic associations (e.g. EURALEX http://euralex.org/, globalex, http://globalex.link/, EFNIL http://www.efnil.org/, Lexonomy Homepage www.lexonomy.eu, DARIAH https://www.dariah.eu/) ● Publication in scientific journals ● Press releases to agencies in European countries, e.g. APA (Austrian press agency), STA (Slovenian press agency) ● Channels (website, mailing lists, social media accounts,

	CNR/ILC:
	- Homepage(s)
	   http://www.ilc.cnr.it
	   http://lari.ilc.cnr.it
	   http://www.clarin-it.it
	   https://ilc4clarin.ilc.cnr.it
	   https://www.cnr.it
	- Facebook (@ClarinIT)
	- Twitter (@CLARIN_IT)
		events) of Research Infrastructures in the arts and humanities (CLARIN, DARIAH at national and European level)
		● Channels (especially mailing lists) of Linguist List
		● Corpora mailing list

	FCSH-UNL:
	- Homepage(s)
	   http://www.clunl.edu.pt/pt/home.asp?lang=pt-pt
	   http://www.fcsh.unl.pt/
	   https://www.linkedin.com/in/centro-de-lingu%C3%ADstica-da-nova/
	   http://new.condillac.org/
	- Facebook (@TOTh2018, public group:
	   https://www.facebook.com/groups/130850356936096/about/)
	- Twitter (@CLUNL_)
		● Channels (website mailing lists, social media. events) of regional and global DH networks and associations (e.g. DHd, DHA, EADH, ADHO)
		● Channels (website, social media, mailing lists) of the Research Data Alliance
		● Channels (especially mailing lists and websites) of other associations and networks (e.g. International Publishers Association, Language Technology Industry Association (LT-Innovate), International Association for Advancement in Language Technology (AsLing),

	BCDH: - Homepage https://github.com/BCDH	

	JSI:
	- Homepage(s)
	   videolectures.net
	   http://ailab.ijs.si/	

	UNIROMA1/LCL:
	- Homepage(s)
	   http://lcl.uniroma1.it
	   http://www.di.uniroma1.it
		● Channels of the European Commission in the fields of Research and Innovation/ Multilingualism/ Education, Training and Youth

	NUIG: - Homepage http://www.insight-centre.org - Twitter: @unlp_nuig	● Channels of H2020 This list is not exhaustive
	UT/TCDH: - Homepage: http://kompetenzzentrum.uni-trier.de/en/ - Twitter: @CDHTrier	

	LC:
	   - Homepage(s)
	     https://www.lexicalcomputing.com
	     https://www.sketchengine.eu/
	   - Twitter (@SketchEngine)
	   - Facebook (@SketchEngine)
	   - LinkedIn
	     https://www.linkedin.com/groups/4293299
	   - Youtube
	     https://www.youtube.com/channel/UCo2fn2_SNxCikCSAFCBcWBw
		and will be expanded during the lifetime of ELEXIS and its communication activities.

	EKI
	   - Homepage www.eki.ee
	   - Facebook (@Eesti.Keele.Instituut)	

	RAE
	   - Homepage http://www.rae.es
	   - Twitter (@RAEinforma)	

Table 8: Communication Channels

7.1. Website

The ELEXIS website is the central pillar of the ELEXIS communication and dissemination strategy, available via http://www.elex.is/.

The website serves as the main hub for all ELEXIS stakeholder communities and anyone else interested in ELEXIS. It provides information on the project, the infrastructure with its tools and services, its activities and events, and serves as a networking platform within the community.

Apart from directly hosting a wealth of content that is constantly growing (https://elex.is/category/news/), it also links to relevant content stored elsewhere, for example publications in repositories (such as Zenodo) etc. As such, the website serves as a one stop access point to information about ELEXIS, its background, ambition and results, as well as the infrastructure with its tools, services and data.

An overview of upcoming and past ELEXIS events and workshops is available under https://elex.is/category/event/.

Within this first year, updates about the partner institutions (https://elex.is/partners/), the governance structure of the project (https://elex.is/governance/), as well as more detailed information about ELEXIS' call for travel grants (https://elex.is/grants-for-research-visits/) have been published. Furthermore, a news feed from the lexicographic world has been integrated into the frontpage of the elexis website.

The project website will be maintained at least three years after the duration of the project. In addition to the actual project website domain, platforms providing virtual access (LEX1, LEX2, LEX 3) will be available on separate domains, e.g. the Sketch Engine (http://www.sketchengine.co.uk) in LEX2.

On behalf of the consortium, the website was created by the OeAW (Austrian Academy of Sciences) in month 4 (May 2018): The website was built by using a well-known modular web content manager system (Wordpress), which allowed the page to be fully responsive on all devices (desktop, tablet and smartphone) and browsers. A Matomo tracking snippet was embedded in the website to enable the collection of data for providing insights on usage and traffic on the page. Figure 2 visualizes the design of the ELEXIS homepage before month 9 (October 2018).

The website was maintained and hosted on the OeAW's servers until month 9 and in this period the code for the website was stored on GitHub: http://github.com/acdh-oeaw/elexis-web.

In October 2018 (month 9) the ELEXIS homepage was transferred to the servers of Lexical Computing (LC) in Czech Republic. Since the switch of the server, it has been opted to purchase an already existing Wordpress Theme, the Wordpress Enfold (Responsive) Theme, which allows more flexibility in page and content editing; also, the support for issues related to the theme is provided.

Given these circumstances, the ELEXIS webpage revealed itself in October 2018 in a new design, which is visualized in figure 3. Website traffic monitoring via Matomo was replaced with Google Analytics.

Figure 2: Screenshot ELEXIS website, hosted on OeAW's server (28.5.2018)

Figure 3: Screenshot ELEXIS website, hosted on LC's server (26.3.2019)

7.2. Internal Communication Platform

7.2.1. Google Drive

Google Drive is used as the internal communication platform (with restricted access) and is available to the consortium and associated partners and to the European Commission, with the purpose to share internal documents and files.

This platform will be permanently updated and improved in line with the project results.

7.2.2. GitHub

GitHub is a web-based hosting service for computer code(s) produced by ELEXIS and available under https://github.com/elexis-eu. At the moment, there are two repositories available, one for Lexonomy, a cloud-based, open-source system for writing and publishing dictionaries, and the other for the ELEXIS-rest interface, which is part of deliverable D2.2 due in M24.

7.2.3. (Next)cloud

Nextcloud is an open source, self-hosted file share and communication platform installed on ELEXIS servers at JSI (Jožef Stefan Institute) to enable access to sensitive documentation and resources in the project. The ELEXIS cloud is available at http://cloud.elex.is/ (registered users only).

7.2.4. DokuWiki

DokuWiki provides help and support for LEX1 and LEX3 and is available at http://wiki.elex.is/ (registered users only).

7.3. Social Media

In order to generate awareness for ELEXIS and engage with the targeted audiences and support dissemination activities, the project is present on several social media networks. The main goal of using social media is to significantly expand ELEXIS' organic reach, to get in touch with the target audience(s), as well as to keep each account up to date by curating continuous postings, tweets and shares on a regular basis, drawing attention to ELEXIS activities and related topics.

A special focus is dedicated to topic-of-interest-related days and weeks of the year, e.g. the "love data week", the "Open Data Days", the International Women's Day, the French Language Day, the International Day of Education, etc, where social media activities and hashtags aim to support a variety of movements. Within these frameworks, ELEXIS promotes its own (and endorsed/supported) workshops and events, e.g. the Linguistic Linked Open Data Summer School (tweet available here) as well as ESSLLI2019 summer school in Logic, Language and Information (tweet available here) within the Love Data Week (#lovedata19).

7.3.1. Twitter

A twitter-account has been set up, which is used to report on the project's activities, providing electronic news and information gathering on outcomes of events (such as live blogging sessions) and milestones. In addition, followers will be alerted of new content on the website and also relevant content of third parties will be shared.

Due to twitter's news-character, this social network will be used mostly for informational, (highly) specialized, jargon-based tweets.

7.3.2. Facebook

A Facebook-page has been set up, which will report on the project's activities as well, with a different approach though: Due to Facebook's emotional character, dissemination boundaries can be expanded

mutually, up to the point of posting jargon-free content, whilst implementing other dissemination elements, such as videos and thumbnails.

Given a certain reach of this Facebook page, interaction and engagement with the general public and not highly specialised (academic) users (e.g. high-school graduates, students, poets, etc.) can be undertaken, whilst deterrence of these groups of interest - because of way too specialised messages - can be avoided.

New items and articles available on the website will be shared with ELEXIS' Facebook-community as well.

7.3.3. YouTube

A YouTube channel will be set up, providing interested users with informative videos, e.g. tutorials and training materials on how to use the provided infrastructure, collaborating closely with videolectures.net.

Through this channel additional "behind the scenes" material will be published, e.g. interviews with consortium members, and shared on other ELEXIS channels.

7.4. Email

An email-address has been set up which will be used for sending out newsletters and mailing lists and will be used on social media channels in their contact section, to enable the interested user to ask questions or send feedback.

7.4.1. Mailing Lists

A market research analyzing tools for newsletter mailing has shown that mailchimp suits ELEXIS' purposes best. So we decided to use Mailchimp for managing external emails and sending out newsletters (see 7.4.2). In addition to the external mailings we use google groups mailing list for different internal communications. As mentioned in D10.1, four types of mailing lists are available for the communication and exchange of documents:

- a project-level mailing list for consortium-internal discussions related to all WPs;
- a PMB (Project Management Board) mailing list supporting the communication among members;
- Work package mailing lists for coordination and internal discussion in each work package;
- administrative mailing list for administrative and reporting tasks for all the different work packages;

Furthermore, ELEXIS Observer mailing list was created, which includes all the Observers. Via this mailing list, the Observer institutions will be updated about the activities and events in ELEXIS.

7.4.2. Newsletter

To send out the ELEXIS newsletter, the free mailing tool Mailchimp is used. We have set up a newsletter template according to the ELEXIS corporate identity guidelines, using the ELEXIS blue and the ELEXIS yellow. It is planned to send out newsletters regularly four times a year. In between, shorter newsflashes can be sent out, if necessary. More information regarding the newsletter can be found in section 9.3.

7.5. Events

Organising, promoting and attending events fosters the community, supports networking with other initiatives/infrastructures and creates an opportunity to engage with academia and the general public. Furthermore it generates dissemination output (e.g. papers in conference proceedings).

In order to keep an overview of internal meetings and external events being held, a public ELEXIS event - calendar has been set up (available here). Any project member can add an event and share detailed information with other members.

In the following the different event types will be described in more details.

7.5.1. ELEXIS Events

A kick-off meeting (hosted by JSI) was held in Ljubljana, Slovenia, at the beginning of the project. In the second, third and fourth year of the project, ELEXIS community fostering events will be initiated in order to strengthen the community by encouraging personal contact.

The annual community events will be organised by the consortium, and hosted by different consortium members:

- First ELEXIS event: two days event in the second year of the project, hosted by OEAW in Vienna
- Second ELEXIS event: two days event in the third year of the project, hosted by CNR in Pisa
- Final ELEXIS event: two days event in the final year of the project, hosted by LC in Brno

7.5.2. ELEXIS Training Measures

A series of workshops will be organised to develop methodological and technological skills needed for the productive use of and contribution to ELEXIS. Furthermore ELEXIS will co-organize ELEXIS related modules at already existing summer schools. For examples at the Lisbon Summer School Area 2 "Terminology and Lexicography" is co-organized by ELEXIS (https://elex.is/lisbon-summer-school-2018/).

7.5.3. Third Party Events or Joint Events

Dissemination will be carried out at third party events or joint events (e.g. workshops, conferences, panels, project booth co-located at other international or national events) in order to reach out to other communities and enlarge the community of interest. Single researchers will participate with a talk or a poster and will present specific project results.

Relevant regional, national and international events, grouped according to the target audience, are listed below:

- **Lexicographers & Linguists**

    In order to target this user group we would focus on the following events in the following areas:

    Lexicography:
    - EURALEX (biannual),
    - ASIALEX (annual)
    - AFRILEX (annual)
    - AUSTRALEX (biannual)
    - Dictionary Society of North America (DSNA ;biannual)
    - eLex conference series (biannual)
    - GLOBALEX workshops
    - EUROPHRAS
    - Regional lexicographic conferences such as: Lexicography in the Nordic countries (https://www.helsinki.fi/sv/konferenser/15-konferensen-om-lexikografi-i-norden)

    Corpus linguistics:
    - International conference on corpus linguistics
    - Corpus linguistics (AELINCO)
    - Corpus approaches to lexicogrammar
    - SlaviCorp
    - Text, Speech and Dialogue (TSD)

    Translation:
    - Using Corpora in Contrastive and Translation Studies
    - Language Technology Industry Summit
    - EAMT (European Association for Machine Translation)

    Terminology and knowledge engineering:
    - Terminology and knowledge engineering (TKE) conference
    - LSP conferences

- **Technology Experts**

    In order to target this user group we would focus on the following events in the following areas:

    NLP, Data mining, Machine Learning etc.:
    - LREC (language resources)
    - Association for Computational Linguistics (ACL) conference, and conferences of NAACL and EACL
    - COLING (International conference on Computational Linguistics)
    - Global Wordnet Conference
    - Conference on Natural Language Learning (CoNLL)
    - EMNLP (Empirical methods in Natural Language Processing)
    - Special Interest Group on Information Retrieval (SIGIR)

- AAAI (Association for the Advancement of Artificial Intelligence)
- ICML (International conference on Machine Learning)
- ICDM (International conference on Data Mining)
- HCOMP (Human Computation)

Standardisation and models

- Ontolex workshop
- ISO TC37 Meetings

Semantics etc.

- SEMANTiCS
- Language, Data, and Knowledge (LDK) conference
- International workshop on Semantic Evaluation (SemEval)
- Workshop on the Multilingual Semantic Web

- **Digital Humanities Experts**

  In order to target this user group we would focus on the following events:
  - Digital Humanities conference
  - EADH Day / EADH Conference
  - regional Digital Humanities conferences such as DHd,
    DH Benelux, DHN, DHA, congresso HDH etc.

- **Internal Stakeholders**

  In order to target this user group we would focus on the following events:

  Events organized by infrastructures and networks the consortium members are part of:
  - CLARIN annual meeting, workshops etc.
  - Inclusive Infrastructures for the Humanities
  - DARIAH Annual Event and associated events (workshops etc.)
  - Annual conference of the European Federation of National Institutions for Language (EFNIL)

  Furthermore, events organised at local level by the institutions that are part of the consortium will be of interest.

- **External Stakeholders**

  In order to target this user group we would focus on events that are organized by different associations e.g. Research Data Alliance (RDA) or organized All European Academies (ALLEA) or events organized by museums in order to reach out also to these institutions. Furthermore we would inform them over ELEXIS Events by using the ELEXIS consortium partner channels and third party channels in order to get them involved.

- **Commercial Entities**

  In order to target this user group we would focus on the following events:
  - Language Technology Summit
  - CeBIT

Some of the events already mentioned above are also relevant for this target group, because they target both scientific and commercial audience: e.g. LREC (targeting commercial entities in the field of language resources and technology), EURALEX (targeting for example also publishing houses.)

- **Language and Technology Aficionados**
  In order to target this user group ELEXIS will be present at events and initiatives like:
  - European Researchers' Night (in different countries)
  - Open house (at different institutions in different countries)
  - Lange Nacht der Forschung (in Austria)
  - Kinderuni (in Austria)

7.5.4. Events co-organised by ELEXIS or attended by Consortium Members in the First Year of ELEXIS

Besides the ELEXIS Kick-off Meeting, that took place in Ljubljana, Slovenia, from 15-17 February 2018 (https://elex.is/elexis-kick-off-meeting), the ELEXIS Consortium was already very active in co-organising and attending third party events in the first months of ELEXIS:

The ELEXIS Consortium co-organized two workshops during the LREC 2018 Conference in Miyazaki (Japan) from 7th - 12th May 2018:

- Globalex 2018 Workshop "Lexicography & WordNets", co-organized by ELEXIS with GLOBALEX Preparatory Board, the Global WordNet Association (GWA) (https://elex.is/globalex-2018/) on 8 May 2018 in Miyazaki (Japan).
- 6th Workshop on Linked Data in Linguistics: Towards Linguistic Data Science (https://elex.is/6th-workshop-on-linked-data-in-linguistics), organized by ELEXIS on 12 May 2018 in Miyazaki (Japan).

Furthermore ELEXIS is one of the main sponsors of the EURALEX 2018 Conference (http://euralex2018.cjvt.si/), taking place from the 17-21 July 2018 in Ljubljana, Slovenia. In context of the EURALEX 2018 Conference co-located workshops, co-organized by ELEXIS, will take place:

- wnlex Workshop: WordNet as Lexicographical Resource on the 16 July 2018 co-organized by ELEXIS and CLARIN ERIC
- TEI-Lex-0 Workshop: Developing a Baseline Encoding for Lexical Data on the 16 July 2018 co-organized by ELEXIS and the DARIAH Working Group "Lexical Resources".

The co-organisation of workshops together with already established research infrastructures (e.g. CLARIN and DARIAH) and associations (e.g. globalex) shows that ELEXIS is already using networks and synergies efficiently.

Regarding teaching measures, ELEXIS is co- organising the Area 2 of the Lisbon Summer School 2018 on "Terminology and Lexicography" (https://elex.is/lisbon-summer-school-2018/), taking place from the 2nd to the 6th of July in Lisbon.

Besides organising or co-organising events, consortium partners attended the following events in the past months or plan to attend the following events in the next months:

- DHd 2018, 26 February - 2 March 2018, Köln, Germany (http://dhd2018.uni-koeln.de/)
- LREC 2018, 7-12 May 2018, Miyazaki, Japan (http://lrec2018.lrec-conf.org/en/)

- DARIAH Annual Event 2018 (https://dariah2018.sciencesconf.org/)
- LT Innovate Summit, 28-29 May 2018, Brussels (https://www.lt-summit.com/)
- DH2018, 26-29 June 2018, Mexico City (https://dh2018.adho.org/en/)
- EURALEX 2018, 17-21 July 2018, Ljubljana, Slovenia (http://euralex2018.cjvt.si/)
- CLARIN Annual Conference 2018, 8-10 October 2018, Pisa, Italy (https://www.clarin.eu/event/2018/clarin-annual-conference-2018-pisa-italy)
- EADH2018, 7-9 December 2018, Galway, Ireland (https://eadh2018eadh.wordpress.com/)

A more detailed overview of activities is provided in chapter 9.5.

7.6. Dissemination Material

The dissemination material distributed will follow the corporate design guidelines described below. Afterwards, an overview of online and offline distribution items will be given.

7.6.1. Logo and Visual Style

The ELEXIS logo (figure 3) was created by Tomato Košir for ELEXIS and was the starting point for creating a visual style for ELEXIS. Regarding the colour scheme, starting from the ELEXIS logo and the EU flag, the blue and yellow colours will be used in ELEXIS in combination with white, black and grey. Not only colour but also typography is an essential component of the visual identity of ELEXIS. Within ELEXIS, we use "Calibri" and "Asap" fonts. Further design elements used to create a visual style are the use of

- the ELEXIS "head" of the logo as watermark
- pictures with ELEXIS colour overlay
- Scrabble tiles

Figure 4: ELEXIS full logo in ELEXIS blue

For the specific colour codes, and other details regarding the visual identity of ELEXIS please refer to the D7.1 Visual Identity and Design Manual.

7.6.2. Online Promotion Material

Digital, online marketing activities are undertaken, which will be styled and branded on behalf of the guidelines listed above, such as:

- Regular *news items* on the project website
- Regular *social media posts* on Twitter and Facebook by the project on the ELEXIS account and by the consortium members on their institutional accounts or private accounts, including videos, pictures, figures, photos, tables, etc.

- Since *videos* are the most shared content on the web, self-produced videos will be shared and posted on social media (Twitter, Facebook, YouTube); those videos provide information about the deployment of the infrastructure, mini-interviews with experts from the field, mini-tutorials, as well as hints & tips videos for usability in various scenarios;
- Pictures, photo material and graphics representative for the project will be generated and distributed through the project's channels
- The project will be present on research portals, *linking to the ELEXIS website*
- *Newsletter*
- An online questionnaire will assess the community's experience and opinion of the project's intermediate outcomes

7.6.3. Offline Promotion Material

Print publicity is being used to maximise the impact of the dissemination activities by establishing an initial contact with organisations and relevant representatives in order to complement digital marketing attempts.

Print materials, such as a general info brochure, topic specific one-page inserts, flyers and posters, are available for download on the website (https://elex.is/downloads/).

A limited number of giveaways with project logo, strapline and website URL have been created. Production preference is given to items with long-term and frequent use such as stickers and pens.

Figure 6 shows the ELEXIS brochure displayed at SSH Impact conference. The brochure and the associated leaflet are both part of the deliverable D7.4 (Print Publicity) and available on the website. Additionally, three roll-up banners have been produced, showing the ELEXIS logo on blue background, the strapline and all logos of the partners involved in the project as well as the EU flag and funding information (horizon 2020). These posters are used at ELEXIS (related) events, in order to create a visually appealing booth and/or stand and to draw attention to and raise awareness about the project. The three roll-up banners have been distributed among the three WP7 leading institutions OeAW, LC and JSI. Figure 5 shows one of the roll-up banners used at the ELEXIS Observer Event in February 2019 in Vienna.

Figure 5: ELEXIS roll-up banner

Figure 6: ELEXIS brochure and pens displayed at SSH-Impact

8. Scientific Dissemination

Papers and articles about the project results will be published in open access journals and conferences. Especially scientific partners will contribute to the scientific dissemination.

Furthermore, information about ELEXIS will be published in Kernerman Dictionary News[2] and will be available online as well. As project archive, the online-repository *Zenodo* (https://zenodo.org/) was chosen to preserve peer reviewed scientific papers published by ELEXIS partners.

In this section we will list the scientific dissemination (publications, presentations and poster presentations) in the first year (including February 2019). In the list the author(s) name, which are underlined, indicate the person(s) who presented, if there were more than one author.

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[2] Each issue of Kernerman Dictionary News, being published annually in July, is printed in 1.000 - 1.500 copies and distributed to all participants in all major lexicography conferences worldwide, as well as in other relevant events and venues.

8.1 Publications

Some of the publications might overlap with presentations and poster presentations, because they were published in the respective conference proceedings. All the peer review publications are also uploaded by the authors to Zenodo, in order to have them directly available for reporting in the ECAS portal. Furthermore, we also created an ELEXIS community on Zenodo to group all the uploaded papers together. Next, we list the papers published in the first year of ELEXIS (including February 2019):

Declerck, Thierry, John McCrae, Roberto Navigli, Ksenia Zaytseva, and Tanja Wissik. 2018. ELEXIS – European Lexicographic Infrastructure: Contributions to and from the Linguistic Linked Open Data. Jakubíček, M., Kosem, I., Krek, S., Offersgaard, L., Olsen, S., & Pedersen, B. S. (2018). *ELEXIS -* European *lexicographic infrastructure*. Conference Proceedings CLARIN Annual Conference 2018, Pisa, Italien, 128-131. *https://office.clarin.eu/v/CE-2018-1292-CLARIN2018_ConferenceProceedings.pdf*

Kernerman, Ilan and Krek, Simon. Proceedings of the LREC 2018 Workshop Globalex 2018: Lexicography & WordNets. Miyazaki.

Kosem, Iztok. 2018. ELEXIS - European Lexicographic Infrastructure. In: Kernerman Dictionary News, Number 26, July 2018. 6 - 7: https://kdictionaries.com/kdn/kdn26_2018.pdf

Krek, Simon, Iztok Kosem, John McCrae, Roberto Navigli, Bolette S. Pedersen, Carole Tiberius, Tanja Wissik (2018). European Lexicographic Infrastructure (ELEXIS).
In: *Proceedings of the XVIII EURALEX International Congress: Lexicography in Global Contexts (EURALEX 2018)*, Ljubljana, Slovenia, 17-21 July 2018. 881-891.

Navigli, Roberto (2018). Natural Language Understanding: Instructions for (Present and Future) Use. Proceedings of Twenty-Seventh International Joint Conference on Artificial Intelligence (IJCAI-18), 5697-5702. https://www.ijcai.org/proceedings/2018/0812.pdf

Olsen, S., & Pedersen, B. S. (2019). ELEXIS-rejsestipendier. *LEDA-nyt*, (67), 6-7, Copenhagen, Denmark.

Pedersen, Bolette S., John McCrae, Carole Tiberius, Simon Krek (2018). ELEXIS - a European infrastructure fostering cooperation and information exchange among lexicographical research communities. In: Francis Bond, Takayuki Kuribayashi, Christiane Fellbaum and Piek Vossen (eds) *Proceedings of the 9th Global WordNet Conference (GWC 2018)*, Global Wordnet Association, Singapore. 339-344.
https://www.insight-centre.org/sites/default/files/publications/pedersen2018elexis.pdf

Pedersen, B. S., Nimb, S., Olsen, S., & Sørensen, N. H. (2018). Combining Dictionaries, Wordnets and other Lexical Resources - Advantages and Challenges. In: *Globalex Proceedings 2018, Miyasaki, Japan.* https://globalex2018.files.wordpress.com/2018/10/globalex-2018_proceedings.pdf

Pedersen, Bolette Sandford. (2018). Semantisk processering og leksikografi. In: Nordiske Studier i leksikografi, Skrifter udgivet af Nordisk Forening for Leksikografi.

Declerck, Thierry (2018). Towards a Linked Lexical Data Cloud based on OntoLex-Lemon. In: Proceedings of 6th Workshop on Linked Data in Linguistics: Towards Linguistic Data Science, 78-82, https://zenodo.org/record/2599900#.XJqSWdJCfQw

Khan Fahad, Bellandi Andrea, Frontini Francesca, Monachini Monica (2018). One Language to rule them all: modelling Morphological Patterns in a Large Scale Italian Lexicon with SWRL", Proceedings of the Eleventh International Conference on Language Resources and Evaluation (LREC 2018), European Language Resources Association, http://www.lrec-conf.org/proceedings/lrec2018/pdf/844.pdf

Monica Monachini, Anas Fahad Khan (2018). Towards the Construction of a Lexical Data and Technology Ecosystem: The Experience of ILC-CNR, Proceedings of LREC 2018 WorkshopW33 – Lexicography & WordNets (GLOBALEX 2018), European Language Resources Association, 53-55. http://lrec-conf.org/workshops/lrec2018/W33/pdf/book_of_proceedings.pdf

Anas Fahad Khan (2018). Towards the Representation of Etymological and Diachronic Lexical Data on the Semantic Web., Proceedings of LREC 2018 Workshop W23 – 6th Workshop on Linked Data in Linguistics: Towards Linguistic Data Science (LDL-2018), European Language Resources Association, 57-62. http://lrec-conf.org/workshops/lrec2018/W23/pdf/book_of_proceedings.pdf

Bellandi Andrea, Francesca Frontini, Fahad Khan, Monica Monachini (2018). SWRL your lexicon: adding inflectional rules to a LOD dataset, Proceedings of the XVIII EURALEX International Congress.

Anas Fahad Khan, Federico Boschetti (2018), Towards a Representation of Citations in Linked Data Lexical Resources, Proceedings of the XVIII EURALEX International Congress, 137-147. http://euralex.org/publications/towards-a-representation-of-citations-in-linked-data-lexical-resources/

Romary, Laurent & Tasovac, Toma (2018). TEI Lex-0: A Target Format for TEI-Encoded Dictionaries and Lexical Resources. Tensho Miyazaki (eds): Book of Abstracts of The 18th Annual TEI Conference and Members' Meeting. 9-13 September 2018, Tokyo, Japan. https://tei2018.dhii.asia/AbstractsBook_TEI_0907.pdf

Wissik, Tanja, Ksenia Zaytseva, and Thierry Declerck. 2018. ELEXIS: Yet Another Research Infrastructure. Or Why We Need An Special Infrastructure For E-Lexicography. In: The Digital Humanities. Book of Abstract Digital Humanities Conference 2018 (DH2018), 26-29 June 2019, Mexico City, Mexico, 668-689.
https://dh2018.adho.org/wp-content/uploads/2018/06/dh2018_abstracts.pdf

Publications by ELEXIS Travel Grant Holders

Anna Castro Salgado, Rute Costas. Marcas temáticas en los diccionarios académicos ibéricos: estudio comparativo. III Jornadas sobre investigaciones lexicográficas y lexicológicas (inLÉXICO2019), 4-5 April 2019, Universidad de Jaén, Spain, Book of Abstracts, Link

At the moment 13 peer reviewed publications, with ELEXIS indicated as the funding project, have been uploaded to Zenodo (see here https://zenodo.org/search?page=1&size=20&q=ELEXIS)

8.2 Presentations

Presentations given at different conferences are listed below:

- Global Wordnet Conference 2018, Mapping WordNet Instances to Wikipedia, John McCrae, 9 January, Singapore, Singapore. Link
- Global Wordnet Conference 2018, Improving Wordnets for Under-Resourced Languages Using Machine Translation, Bharathi Raja, 9 January, Singapore, Singapore.
- MLP-Moment 2018 Workshop @ LREC 2018, Building Multilingual Lexical Resources: the Global WordNet Grid and the ELEXIS infrastructure, John McCrae, 12 May 2018, Miyazaki (Japan) Link
- Globalex Workshop @ LREC 2018, Introduction, llan Kernerman and Simon Krek, 8 May 2019, Miyazaki (Japan).
- Globalex Workshop @ LREC 2018, Discussion, llan Kernerman, Simon Krek, Francis Bond, 8 May 2019, Miyazaki (Japan).
- Globalex Workshop @ LREC 2018, ELEXIS – European Lexicographic Infrastructure: Contributions to and from the Linguistic Linked Open Data. Thierry Declerck, John McCrae, Roberto Navigli, Ksenia Zaytseva and Tanja Wissik, 8 May 2019, Miyazaki (Japan).
- Globalex Workshop @ LREC 2018, Towards the Construction of a Lexical Data and Technology Ecosystem: The Experience of ILC-CNR, Monica Monachini, Anas Fahad Khan, 8 May 2018, Miyazaki (Japan).
- LDL 2018 @ LREC 2018, Towards the Representation of Etymological and Diachronic Lexical Data on the Semantic Web, Anas Fahad Khan, 12 May 2018, Miyazaki (Japan).
- LDL 2018 @ LREC 2018, Towards a Linked Lexical Data Cloud based on OntoLex-Lemon, Thierry Declerck, 12 May 2018, Miyazaki (Japan).

- LT Summit 2018, ELEXIS – a European Infrastructure for Lexicography. *Carole* Tiberius, Brussels, Belgium, 29 May 2018.
- wnlex - WordNet as a Lexicographic Resource Workshop @ EURALEX 2019, Representing WordNets with OntoLex and the Global Wordnet Formats, John McCrae, 16 July 2018, Ljubljana, Slovenia.
- EURALEX 2018, European Lexicographic Infrastructure (ELEXIS), Simon Krek, 17-21 July 2018, Ljubljana, Slovenia.
- EURALEX 2018,Towards a Representation of Citations in Linked Data Lexical Resources, Anas Fahad Khan, Federico Boschetti, 17-21 July 2018, Ljubljana, Slovenia.
- IJCAI-18, (2018). Natural Language Understanding: Instructions for (Present and Future) Use, Roberto Navigli, 16 July 2018, Stockholm, Sweden.
- Lexicom 2018, ELEXIS - European Lexicographic Infrastructure, Anna Woldrich, 14. September 2019, Cambridge, UK.
- TEI 2018, TEI Lex-0: A Target Format for TEI-Encoded Dictionaries and Lexical Resources. Laurent Romary, Toma Tasovac, 13 September 2018, Tokyo, Japan.
- eLexicography between Digital Humanities and Artificial Intelligence 2018 @ EADH 2018, Introduction to ELEXIS technologies, John McCrae, Tanja Wissik, 6 November 2018, Galway, Ireland. Link
- eLexicography between Digital Humanities and Artificial Intelligence 2018 @ EADH 2018, On Lexicographical Networks, Sina Ahmadi, John McCrae, Mihael Arcan, November 2018, Galway, Ireland. Link
- KD & Lexicala Workshop @ EURALEX2018, Dorielle Lonke, 17 July 2018, Ljubljana, Slovenia.
- Linked Data Workshop @ KD (inhouse workshop), Dorielle Lonke, 25-26 November 2018, Tel Aviv, Israel. Link
- During Research Visit, Business Models & Strategies for Lexicography (1), 5 December 2019, Dorielle Lonke, Tel Aviv, Israel. Link
- During Research Visit, Business Models & Strategies for Lexicography (2), 19 December 2019, Dorielle Lonke, Tel Aviv, Israel. Link
- EMLEX Spring Meeting „Synergy Effects Between Erasmus Mundus EMLex, Higher Education Institutions and the Private Sector", An Overview of K Dictionaries & Lexicala, Ilan Kernerman, 18 February 2019, Erlangen, Germany. Link
- During invited research stay on Tenerife/University La Laguna, ELEXIS. Vera Hildenbrandt, 3 April 2019. Link
- ELEXIS Observer Event 2019, several presentations for details see recordings on videolectures http://videolectures.net/elexisobserver2019_vienna/
- Monica Monachini, Anas Fahad Khan, "Towards the Construction of a Lexical Data and Technology Ecosystem: The Experience of ILC-CNR", LREC 2018 WorkshopW33 –Lexicography & WordNets (GLOBALEX 2018), 8 May 2018

8.3 Poster Presentations

Poster presentations given at different conferences are listed below:

- Global Wordnet Conference 2018, ELEXIS - a European infrastructure fostering cooperation and information exchange among lexicographical research communities, Bolette S. Pedersen, John McCrae, Carole Tiberius, Simon Krek, 8 January, Singapore, Singapore. Link
- Global Wordnet Conference 2018, Towards a Crowd-Sourced WordNet for Colloquial English, John McCrae, Ian D. Wood, Amanda Hicks, 8 January, Singapore, Singapore. Link
- DHd 2018 Conference, Eine europäische Forschungsinfrastruktur für lexikographische Daten, Tanja Wissik, Simon Krek, Milos Jakubicek, Carole Tiberius, Roberto Navigli, John McCrae, Toma Tasovac, et al. , 1 March 2018, Köln, Germany.
- DH2019 Conference, ELEXIS: Yet Another Research Infrastructure. Or Why We Need A Special Infrastructure for E-Lexicography In The Digital Humanities, Tanja Wissik, Ksenia Zaytseva, Thierry Declerck. 27 June 2019, Mexico City, Mexico. Link
- EURALEX 2018, European Lexicographic Infrastructure (ELEXIS), Simon Krek, Iztok Kosem, John McCrae, Roberto Navigli, Bolette S. Pedersen, Carole Tiberius, Tanja Wissik, 17-21 July 2018, Ljubljana, Slovenia.
- Clarin Annual Conference 2018, Bazar, Join ELEXIS: The Benefits for Institutions to join the European Lexicographic Infrastructure, Tanja Wissik, Anna Woldrich, 9 October 2019, Pisa, Italy Link
- Clarin Annual Conference 2018, ELEXIS - European lexicographic infrastructure. Milos Jakubicek, Iztok Kosem, Simon Krek, Sussi Olsen and Bolette Sandford Pedersen, 10 October 2019, Pisa, Italy Link

Poster presentations by ELEXIS Travel Grant Holders

- ELEXIS Observer Event 2019, Visual Data Analysis for Multi-Dimensional Exploration of Language Varieties, Asil Çetin, 18 February 2019, Vienna, Austria
- ELEXIS Observer Event 2019, New Business Models and Strategies for Lexicography, Henrik Køhler Simonsen, 18 February 2019, Vienna, Austria
- ELEXIS Observer Event 2019, (Retro)digitisation and online publication of the Croatian Dictionary of Literary Language, Ivana Filipović Petrović, 18 February 2019, Vienna, Austria
- ELEXIS Observer Event 2019, IBERIAN ACADEMY DICTIONARIES AS LEXICAL RESOURCES, Ana Salgado, 18 February 2019, Vienna, Austria

8.4. Evaluation of Scientific Dissemination

In the following we will relate to the objectives regarding scientific output that were described in the Grant Agreement, described below.

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 Number of scientific conference papers	< 3 (not satisfactory) > 3 (satisfactory) < 15 (not satisfactory) > 15 (satisfactory)

Excerpt of table 2 (p. 7)

Since we are only at the beginning of the project, most of the scientific output was of general nature, to disseminate the objectives and goals of the ELEXIS infrastructure. Therefore we do not have a lot of specific scientific output on standardisation in lexicography. However we organized a workshop regarding the TEI Lex-0 Format co-located with the EURALEX 2018 conference, and we had a conference paper at the TEI 2018 conference on "TEI Lex-0: A Target Format for TEI-Encoded Dictionaries and Lexical Resources" by Laurent Romary and Toma Tasovac.

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 Number of scientific conference papers	< 5 (not satisfactory) > 5 (satisfactory) < 25 (not satisfactory) > 25 (satisfactory)

Excerpt of table 3 (p. 8)

Since we are only at the beginning of the project, most of the scientific output were conference papers. In the first year (including February 2019), we had 12 conference papers on linking (or other strategies and tools) in lexicography and aspects of linguistic linked open data.

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) |

Excerpt of table 4 (p. 8)

Since we are only at the beginning of the project, there were no conference papers on this topic, however, some of the aspects were covered by the more general publications on ELEXIS.

9. Evaluation, Monitoring and Reporting

The *outreach and engagement* will be measured with the help of the reporting system of the mass mailing tool, with website analytics (Matomo, formerly known as Piwik) and with the standard reporting features of social media portals and the figures/data collected at events.

A project survey distributed in month 28 will include evaluation of the dissemination activities.

Measurements to evaluate the outcome of absolute numbers, described in table 1-5, will be taken.

Each year a dissemination and communication report will be published which will also include scientific publications and a collection of digital and non-digital media clippings. At the end of the project a final communication report will be published.

9.1. Social Media Monitoring Year 1 (including February 2019)

Tables 9 and 10 provide an overview of ELEXIS' social media performance on Twitter and Facebook within the first year. In tables 11 - 14 ELEXIS' social media campaigns are visualized, providing insights on reach/impressions and engagements as well as a link to the content published on each social platform.

9.1.1. Twitter Analysis

Outcomes of the twitter analysis show that within the first year of the project 403 tweets were published, and 362.851 impressions[3] were achieved. By February 28th 2019, @elexis_eu had won 308 followers, achieving 3.419 engagements[4], 4.450 profile visits and 156 mentions.

The number of followers is growing constantly, a vast majority was gathered in July 2018 (44), September 2018 (30) and December 2018 (34).

A possible explanation for this phenomenon in July might be the launch of the #travelgrant series, introducing all hosting institutions within the ELEXIS infrastructure, as well as ELEXIS' participation at

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[3] Impression = Number of times users saw the tweet on Twitter

[4] Total number of times a user has interacted with a Tweet.
This includes all clicks anywhere on the Tweet (including hashtags, links, username and tweet expansion), retweets, replies, follows and likes.

EURALEX2018 (https://elex.is/euralex2018/), where ELEXIS representatives presented the project (presentation and poster session), and two pre-conference workshops were co-organised.

The establishment of the #elexispartner series in September (table 12), with the attempt to enter a specific 'bubble' by following and engaging with accounts of interest through tagging partner institutions nourished the attempt to generate interest in ELEXIS project on Twitter.

The high amount of tweets posted within September, drawing attention to participation in the survey of lexicographers' needs, as well as live tweeting from #LexiCom, a workshop in lexicography and lexical computing (held in Cambridge, UK: https://lexicom.courses/lexicom-2018-cambridge-uk/) proved successful to increase the number of followers.

In December, two important events took place: the Lexical Data Masterclass (https://elex.is/the-lexical-data-masterclass/), and the workshop on elexicography: between digital humanities and artificial intelligence (https://elex.is/workshop-on-elexicography/).

Both events proved successful, ELEXIS representatives drew attention to the project and its social media channels, supporting engagement via live tweeting.

In addition, the announcement of the second call for travel grants increased the number of impressions and engagements.

Last but not least, February 2019 was a very successful month for ELEXIS on social media: engagements and impressions increased significantly due to live tweeting about the ELEXIS observer event (https://elex.is/observer-event/). Thanks to this, the opportunity was given to take a picture of the Project Management Board - publishing the picture had a very strong impact on impressions and engagements on Twitter.

Month	Tweets	Impressions	New Followers	Engagement	Profile Visits	Mentions
February 2018	1	278	12	7	74	n/a
March 2018	5	4.627	20	74	185	3
April 2018	6	4.346	9	34	149	5
May 2018	42	25.300	26	246	510	13
June 2018	15	16.400	22	146	352	10
July 2018	28	30.200	44	263	385	18
August 2018	40	34.700	28	245	569	9
September 2018	41	32.900	30	231	314	7

October 2018	33	30.900	20	328	432	21
November 2018	35	33.500	14	339	321	10
December 2018	42	47.700	34	452	507	32
January 2019	42	35.200	21	325	139	8
February 2019	73	66.800	28	729	513	20
Total Year 1	**403**	**362851**	**308**	**3419**	**4450**	**156**

Table 9: @elexis_eu Twitter performance year 1

9.1.2. Facebook Analysis

Due to the need to overcome some administrative tasks regarding the setup of the Facebook page in the first place, the support of @elexis.official came into full swing by June/July 2018, which is visualised in table 10.

The page likes as well as the page follows are constantly growing; as table 10 shows, the number of follows is slightly higher than the number of likes[5].

Within year 1, 204 posts were published on Facebook, reaching[6] 31,057 people, which brought a total engagement[7] of 4,514 interactions. A comparison of the numbers achieved on Twitter and Facebook shows that ELEXIS achieved way higher engagements on Facebook. A plausible explanation for this phenomenon is the vast range of possible ways of 'reactions' on facebook, which are simply missing on Twitter (like/retweet).

Nevertheless, this first year showed that Facebook's informal yet emotional character was successful when it comes to humour and jargon-free content. For example, a photo-post from February 1st 2019 blew off the engagements (155) as the post reached almost 2,000 people on Facebook; the same tweet on Twitter earned a reach of 632 people and 27 engagements only.

When it comes to comparing Facebook's reach to Twitter's impressions, ELEXIS reaches way more users via Twitter, but on Facebook more users engage with the content.

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[5] As soon as someone likes a page on Facebook, the user is also following it by default (the user can change this in the settings). It is also possible to follow a page without liking it. By 'following only' users still see the page's posts. There are many reasons why someone might choose to "follow" a Page and not "like" it: social listening, monitoring competitors, market research, and political and industry monitoring.

[6] Reach (on Facebook) = The number of people who had any posts from @elexis.official - Page enter their screen.

[7] Engagement (on Facebook) = (Post) Clicks, Reactions, Comments & Shares.

Month	Posts per month	Reach per month	Page Likes - Growth	Page Follows - Growth	Engagement per month	Page Views
February 2018	n/a	n/a	n/a	n/a	n/a	n/a
March 2018	n/a	n/a	n/a	n/a	n/a	n/a
April 2018	n/a	n/a	n/a	n/a	n/a	n/a
May 2018	1	20	n/a	n/a	2	n/a
June 2018	8	1875	34	34	294	18
July 2018	15	2279	62	67	537	77
August 2018	24	3124	68	73	316	38
September 2018	19	2395	76	82	416	64
October 2018	16	1440	88	95	277	73
November 2018	34	4444	120	129	1223	119
December 2018	25	3347	128	136	462	84
January 2019	38	6760	148	157	499	82
February 2019	24	5373	175	186	488	155
Total Year 1 (M1 - M14)	**204**	**31057**	**175***	**186***	**4514**	**710**

*Sum page likes/follows at 28.2.2019

Table 10: @elexis.official Facebook performance year 1

9.1.3. Social Media Campaigns: Performance

Within the first year, ELEXIS launched four campaigns on social media:

a) The first campaign (table 11) started in July 2018, with the intention to provide potential travel grant applicants with information about ELEXIS hosting institutions. The series is collected in ELEXIS' Twitter moment 'ELEXIS Travel Grants - Hosting Institutions'. The campaign consisted of 16 posts and 18 tweets published on social media (overall 34). When summing up the organic reach (Facebook) and

impressions (Twitter) of this first campaign, all postings entered the screens 36,100 times, with an overall engagement of 1,006. Interestingly, the analysis shows that the numbers regarding the amount of engagement on Twitter and Facebook are almost the same within this early stage of social media activity.

b) The second campaign started in August 2018: the '#elexispartner'-Campaign (table 12) was conducted with the attempt to introduce all ELEXIS partners, especially those without transnational access (TNA), in order to provide an overview to the targeted audience. Therefore, 17 postings and 19 tweets were published with an overall sum of 36 content pieces.

Summing up Facebook's reach and Twitter's impressions shows that 17,812 times the content of this campaign entered the users' screens, achieving an overall engagement of 430. At that point (M5/6) specific information about the partners had not been published on the homepage yet, the summer holidays did not make things easier to organize. After the end of #elexispartner - Campaign we were able to recycle the majority of the texts for the partner portfolios on the website (https://elex.is/partners/).

c) The third (and yet not completed) campaign was launched in September 2018, revealing and portraying the 5 winners of the first call for travel grants with 11 posts and 10 tweets (overall 21 content pieces), which are linked to the ELEXIS website. 4 out of 5 winners have successfully completed their research visit, the 5th winner will start his research visit in April 2019, and therefore close the 'ELEXIS #travelgrant winners -call 1' series.

Up to now, the analysis (table 13) shows that, in comparison to Facebook, four times more reach was generated on Twitter (2,081 vs. 8,528); however, at the same time the statistics shows that Facebook users were three times more likely to engage with the content. Overall, users engaged 1,237 times with the campaign on both platforms with a total reach of 10,609.

d) The fourth and shortest campaign, the 2nd call for #travelgrants, was conducted from mid-December 2018 until the end of January 2019. Table 14 shows that the 7 postings and 7 tweets of the campaign entered the users' screens 11,652 times, achieving an overall engagement of 326. The statistics confirms once more that users are more likely to engage with the content on Facebook rather than on Twitter. Despite the short time frame the campaign gained the same amount of submissions for an ELEXIS travel grant as the first call did, thanks to increased social media activities and followers/likes.

At this point, we can take a look into social media campaigns planned in 2019. An observer campaign will be conducted, introducing new institutions and legal bodies that have joined ELEXIS recently. Furthermore, a follow up campaign on the winners of the second call for travel grants is foreseen, portraying each winner and showing some insights on his/her project abroad. During their stay at various ELEXIS hosting institutions all over Europe, the winners will be invited to share some impressions of their stay, which will be documented on ELEXIS social media channels as well as on the homepage.

In due time other relevant topics and events will be picked up, e.g. the workshop in eLexicography at the Digital Humanities Conference 2019 in Utrecht (July 2019), which are going to be promoted via social media, enriching the online content of the ELEXIS output.

Whenever content from the news feed contains topics of interest, ELEXIS is going to adapt and integrate the news item(s) into social media planning.

Name	Date	FB - Post	Tweet	People Reached (FB)	Impressions (T)	Engagement (FB)	Engagement (T)
Call for RVG	19.06.2018/ 20.6.2018	https://www.facebook.com/elexis.official/posts/650408298629023	https://twitter.com/elexis_eu/status/1009089779802222593	1353	3737	138	70
	22.6.2018		https://twitter.com/elexis_eu/status/1010104923466366976		2317		38
JSI	26.6.2018	https://www.facebook.com/elexis.official/photos/a.656351098034743/656285588041294/	https://twitter.com/elexis_eu/status/1011600499768995842	237	671	36	34
INT	28.6.2018	https://www.facebook.com/elexis.official/photos/p.658112061191980/658112061191980/	https://twitter.com/elexis_eu/status/1012275569466265600	203	1670	24	14
OEAW	3.7.2018	https://www.facebook.com/elexis.official/photos/a.656351098034743.1073741828.621508328185687/662979470705239/	https://twitter.com/elexis_eu/status/1014110912515624961	148	2376	13	32
BCDH	5.7.2018	https://www.facebook.com/elexis.official/photos/a.656351098034743.1073741828.621508328185687/664751797194673/?type=3&theater	https://twitter.com/elexis_eu/status/1014780563868278785	366	2637	51	39
IBL	11.7.2018	https://www.facebook.com/elexis.official/posts/670775056592347	https://twitter.com/elexis_eu/status/1017038865364856832	35	652	7	4
RILMTA	13.7.2018	https://www.facebook.com/elexis.official/posts/672548989748287	https://twitter.com/elexis_eu/status/1017733398977236993	38	1072	4	9
KD	18.7. 2018	https://www.facebook.com/elexis.official/posts/677582545911598	https://twitter.com/elexis_eu/status/1019591290005147648	235	2189	34	19
DSL + UCPH	20.7.2018	https://www.facebook.com/elexis.official/photos/a.656351098034743.1073741828.621508328185687/678500425819810/?type=3	https://twitter.com/elexis_eu/status/1020215876098768896	219	1596	36	12
TCDH	24.7.2018	https://www.facebook.com/elexis.official/photos/a.656351098034743.1073741828.621508328185687/683761418627044/?type=3	https://twitter.com/elexis_eu/status/1021722956098162693	485	3395	106	67
Reminder TG	25.7.2018	https://www.facebook.com/elexis.official/posts/684896281846891	https://twitter.com/elexis_eu/status/1022105829972041728	48	2799	8	62
EKI	26.7.2018	https://www.facebook.com/elexis.official/photos/a.656351098034743.1073741828.621508328185687/684964465173406/?type=3&theater	https://twitter.com/elexis_eu/status/1022391290779066373	40	1320	9	19
RAE	31.7.2018	https://www.facebook.com/elexis.official/posts/685994451737074	https://twitter.com/elexis_eu/status/1024191728851542016	47	1489	16	30
Reminder TG	31.7.2018 / 1.8.2018	https://www.facebook.com/elexis.official/posts/691410054528847	https://twitter.com/elexis_eu/status/1024546554819092481	174	2402	26	35
List of all hosts	03.08.2018	https://www.facebook.com/elexis.official/posts/692602684409584	https://twitter.com/elexis_eu/status/1025312517294317568	9	567	0	5

			https://twitter.com/elexis_eu/status/1025314218432704512		651		3
Update TG	8.8.2018	https://www.facebook.com/elexis.official/posts/699404373729415	https://twitter.com/elexis_eu/status/1027102182376652801	37	886	4	2
total Institutions				2053	19067	336	279
Total Campaign				**3674**	**32426**	**512**	**494**
Sum (Facebook + Twitter)				**36100**		**1006**	

Table 11: Overview 1st Call for #travelgrants - hosting institutions: 19.6. - 8.8.201

Name	Date	FB - Post	Tweet	People Reached (FB)	Impressions (T)	Engagement (FB)	Engagement (T)	Total Institutions
JSI	7.8.	https://www.facebook.com/elexis.official/photos/a.656351098034743.1073741828.621508328185687/699045230431996/?type=3	https://twitter.com/elexis_eu/status/1026546004475043841	85	1077	27	17	1206
LC	9.8.	https://www.facebook.com/elexis.official/photos/a.656351098034743/699406360395883/	https://twitter.com/elexis_eu/status/1027457044612304897	86	809	9	12	916
#elexis partner @esslli 2018	13.8.2018		https://twitter.com/elexis_eu/status/1028896455556247552		3111		14	3125
INT	14.8.2018	https://www.facebook.com/elexis.official/photos/a.656351098034743/701439726859213/?type=3&theater	https://twitter.com/elexis_eu/status/1029304705703391233	250	1251	19	16	1536
NUIG	16.8.2018	https://www.facebook.com/elexis.official/photos/a.656351098034743/706856569650862/?type=3&theater	https://twitter.com/elexis_eu/status/1029989927684124672	84	2223	4	16	2327
RILMTA	21.8.2018	https://www.facebook.com/elexis.official/photos/a.656351098034743/708780016125184/?type=3&theater	https://twitter.com/elexis_eu/status/1031801877917932544	58	401	3	3	465
OeAW	23.8.2018	https://www.facebook.com/elexis.official/photos/a.656351098034743/715355468800972/?type=3&theater	https://twitter.com/elexis_eu/status/1032519091733585920	58	1006	3	11	1078
DSL	28.8.2018	https://www.facebook.com/elexis.official/photos/a.656351098034743/715359238800595/?type=3&theater	https://twitter.com/elexis_eu/status/1034341093771567104	142	543	34	5	724
ILC	30.8.2018	https://www.facebook.com/elexis.official/photos/a.656351098034743/715373362132516/?type=3&theater	https://twitter.com/elexis_eu/status/1035058320531435520	59	485	9	8	561

BCDH	4.9.2018	https://www.facebook.com/elexis.official/photos/a.656351098034743/715379018798617/?type=3&theater	https://twitter.com/elexis_eu/status/1036869016856481797	147	422	31	8	608
UCPH	6.9.2018	https://www.facebook.com/elexis.official/photos/a.656351098034743/724461194557066/?type=3&theater	https://twitter.com/elexis_eu/status/1037588788594262016	47	351	10	4	412
EKI	11.9.2018	https://www.facebook.com/elexis.official/photos/a.656351098034743/724922417844277/?type=3&theater	https://twitter.com/elexis_eu/status/1039417055093637120	50	315	15	7	387
UNI ROMA/ LCL	13.9.2018	https://www.facebook.com/elexis.official/photos/a.656351098034743/727987310871121/?type=3&theater	https://twitter.com/elexis_eu/status/1040148170427314176	42	386	5	3	436
IBL	18.9.2018	https://www.facebook.com/elexis.official/photos/a.656351098034743/729069037429615/?type=3&theater	https://twitter.com/elexis_eu/status/1041960256589455360	41	412	3	1	457
FCSH	20.9.2018	https://www.facebook.com/elexis.official/photos/a.656351098034743/731801567156362/?type=3&theater	https://twitter.com/elexis_eu/status/1042672253022953474	464	738	79	9	1290
RAE	25.9.2018	https://www.facebook.com/elexis.official/photos/a.656351098034743/731805040489348/?type=3&theater	https://twitter.com/elexis_eu/status/1044480405112524801	48	682	10	7	747
TCDH	27.9.2018	https://www.facebook.com/elexis.official/photos/a.656351098034743/734885886847930/?type=3&theater	https://twitter.com/elexis_eu/status/1045207706020261888	43	979	2	13	1037
KD	2.10.2018	https://www.facebook.com/elexis.official/photos/a.656351098034743/735791963423989/?type=3&theater	https://twitter.com/elexis_eu/status/1047019678483320832	42	463	5	4	514
all moment twitter	2.10.2018		https://twitter.com/elexis_eu/status/1047051673984782337		412		4	416
TOTAL				1746	16066	268	162	
Sum (Facebook + Twitter)				17812		430		

Table 12: Overview #elexispartner Campaign: 7.8. - 2.10.2018

Name	Date	Posting Facebook	Tweet	People Reached Facebook	Impressions Twitter	Engagement Facebook	Engagement Twitter
Congratulations all	12.9.2018		https://twitter.com/elexis_eu/status/1039876019665162241		945		18
Teaser TGW	1.11.2018	https://www.facebook.com/621508328185687/posts/754310554905463/	https://twitter.com/elexis_eu/status/1057939101368901632	245	816	92	92
TGW Ivana	2.11.2018	https://www.facebook.com/621508328185687/posts/754322991570886/	https://twitter.com/elexis_eu/status/1058301483702255616	233	646	145	53
Update Ivana	6.11.2018	https://www.facebook.com/elexis.official/posts/757974727872379		43		7	
TGW Ana start	13.11.2018	https://www.facebook.com/elexis.official/posts/762347850768400	https://twitter.com/elexis_eu/status/1062366191359012864	64	652	16	11
TGW Ana	15.11.2018	https://www.facebook.com/621508328185687/posts/762949614041557/	https://twitter.com/elexis_eu/status/1062983578571730945	643	677	324	20
TGW Henrik	19.11.2018	https://www.facebook.com/elexis.official/posts/765919500411235	https://twitter.com/elexis_eu/status/1064453256858996736	217	521	221	17
TGW Ana Update	28.11.2018	https://www.facebook.com/elexis.official/posts/771672493169269	https://twitter.com/elexis_eu/status/1067756271225454593	276	714	64	34
TGW Henrik start	5.12.2018	https://www.facebook.com/elexis.official/posts/776294916040360	https://twitter.com/elexis_eu/status/1070265313810358273	173	553	26	26
Henrik Reminder	10.12.2018	https://www.facebook.com/elexis.official/photos/a.656351098034743/777186575951194/	https://twitter.com/elexis_eu/status/1072043270556053504	69	615	12	17
Henrik Reminder	12.12.2018	https://www.facebook.com/elexis.official/posts/781303658872819	https://twitter.com/elexis_eu/status/1072845552503664641	48	902	5	9
Henrik Report	15.1.2019	https://www.facebook.com/elexis.official/posts/802411473428704		70	1487	9	19
(to be continued!)							
TOTAL				2081	8528	921	316
Sum (Facebook + Twitter)				10,609		1,237	

Table 13Table NY - Overview: ELEXIS #travelgrant winners call 1 (since 12.9.2018)

Name	Date	FB - Post	Tweet	People Reached Facebook	Impressions Twitter	Engagement Facebook	Engagement Twitter
2nd Call TG	10.12.2018	https://www.facebook.com/elexisofficial/posts/779637032372815	https://twitter.com/elexis_eu/status/1072093600283004930	844	6143	115	67
Reminder 2nd Call	21.12.2018	https://www.facebook.com/elexisofficial/posts/786271478376037	https://twitter.com/elexis_eu/status/1076050938815791104	92	292	23	2
Reminder 2nd Call	4.1.2019	https://www.facebook.com/elexisofficial/posts/796077267395458	https://twitter.com/elexis_eu/status/1081163423369609216	115	854	14	14
TGII: Extended Deadline	10.1.2019	https://www.facebook.com/elexisofficial/posts/799823130354205	https://twitter.com/elexis_eu/status/1083352789949054982	133	331	25	5
Reminder 2nd call TG	15.1.2019	https://www.facebook.com/elexisofficial/posts/802411473428704	https://twitter.com/elexis_eu/status/1085090485906141185	69	1416	4	16
Reminder 2nd call TG	21.1.2019	https://www.facebook.com/elexisofficial/posts/804096746593510	https://twitter.com/elexis_eu/status/1087277422402256899	512	416	18	13
Reminder 2nd call TG	22.1.2019	https://www.facebook.com/elexisofficial/photos/a.656351098034743/807341542935697/	https://twitter.com/elexis_eu/status/1087732906766798850	66	369	5	5
TOTAL				**1831**	**9821**	**204**	**122**
Sum Facebook + Twitter				**11,652**		**326**	

Table 14: Overview 2nd Call for #travelgrants 10.12.2018 - 22.1.2019

9.2. Website Monitoring Year 1 (including February 2019)

During the period that the website was hosted on the ACDH Server (until including 16 October 2018) Matomo was used as a website analytic tool. After the switch to the LC Server, Google Analytics was used as an analytic tool. The tracking only started on 7 November 2018 with Google Analytics.

- **Website Monitoring from May 2018 to October 2018 on the ACDH Server via Matomo**

In this period we had 3,231 visits, 8,700 pageviews and 6,495 unique pageviews. The most visited subpage was the page related to the transnational access and the call for travel grants The website visitors came from 88 distinct countries, mainly from Europe but also from Asia, North America, South America and Africa. Most of the visitors browsed the ELEXIS website from their desktops and only a few from their smartphones or tablets.
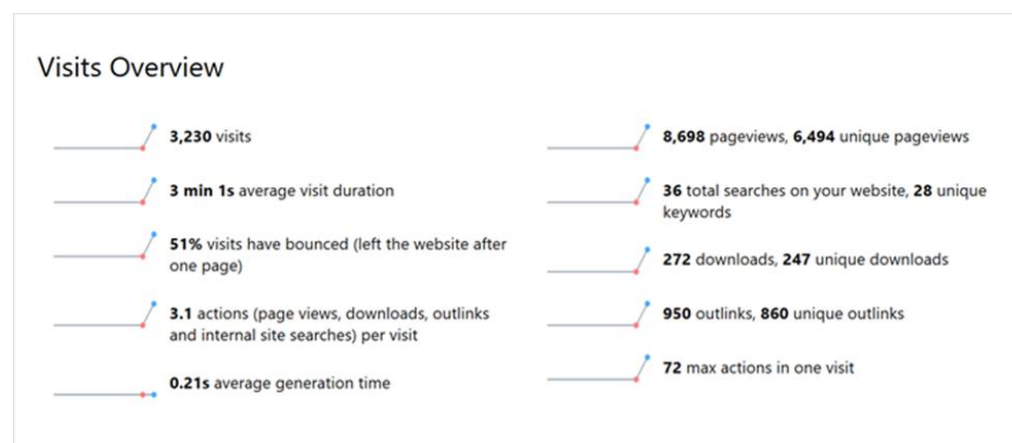
Figure 7: Matomo Visits Overview May 2018 - October 2018

- **Website Monitoring from October 2018 to February 2019 on the LC Server via Google Analytics**

In this period we had 2,669 users and 15,513 page visits. Most of the users were from Europe (2064), but we also had visitors from Asia, North America, South America and Africa. Regarding the device that was used, it remained stable, most of the ELEXIS website users used a desktop device, then mobile devices and very few used a tablet. We noticed that often the peaks in the visits correlate with events where ELEXIS presented or events ELEXIS is organizing. For example, during the ELEXIS Observer Event on 18 February we had 138 users and 420 page views.
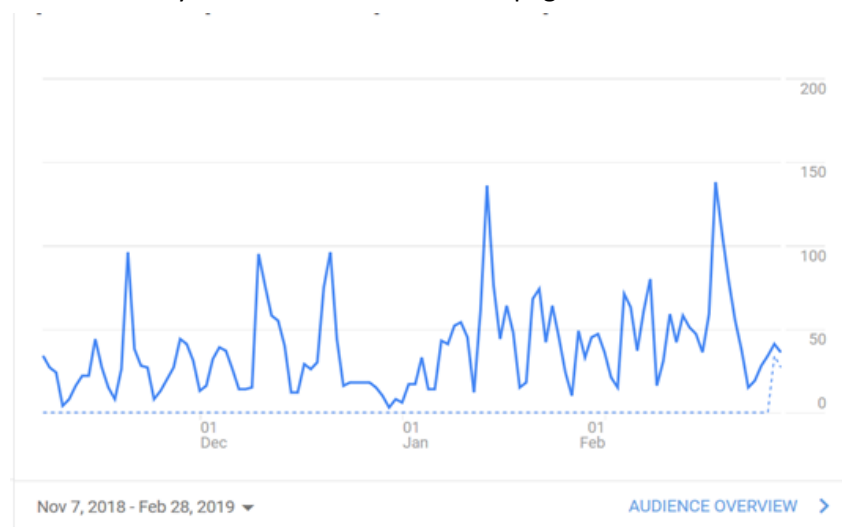
Figure 8: Google Analytics Overview November 2018 - February 2019

The elex.is users came via the following channels: Direct (1134 users), via Search Engines (763 users), via social media (681 users), or via referral traffic (via links on other pages) (297users).

The number of visitors via social media platforms as well as numbers of offline (see chapter 9.4.) and other online dissemination activities prove that the ELEXIS cross media strategy is successful.

Due to the fact that website traffic was first monitored with Matomo (at ACDH Servers) and then replaced with Google Analytics (on LC Servers), the data is not easily comparable since each tool uses its own approach.

9.3. E-Mail Monitoring Year 1 (including February 2019)

A market research analyzing tools for newsletter mailing showed that mailchimp suits ELEXIS purposes best. We started to collect subscriptions to our newsletter via a news post on the elex.is website (https://elex.is/newsletter-subscription/) as well as by drawing attention to the available newsletter subscription link via social media channels. Additionally, we imported the mail addresses from the *Lexicographers' needs survey* from those who expressed their wish to be included in the mailing list. In February 2019 we gathered 169 newsletter subscribers. We started with Issue #1 in December 2018, including the information on the ELEXIS Observer Event in February in Vienna, how to apply for *Observer Status*, the information on travel grants, upcoming events and past events, as well as some insights into the results of the *Lexicographers' needs survey*. All newsletter issues are available on the elex.is website (https://elex.is/newsletters/).

Figure 9: Newsletter #1

9.4 Digital and non-digital Media clippings

Within the first year (including February 2019), the ELEXIS Kick-off Meeting in Ljubljana received attention in the Slovenian media with articles in English and Slovenian:

- Slovenians helming major language tech project, 14.02.2018, STA Science
  http://znanost.sta.si/2482371/slovenians-helming-major-language-tech-project

Figure 10: Media clipping

- Slovenci na čelu novega evropskega jezikovnotehnološkega projekta, 14.02.2018, STA znanost

  http://znanost.sta.si/2482279/slovenci-na-celu-novega-evropskega-jezikovnotehnoloskega-projekta

9.5 Evaluation: WP7 Achievements within year 1

Besides the overall objectives to be achieved by the end of the ELEXIS project, visualized in tables 1-5, WP7 identifies with the targets described in table 1, 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.

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, Videolectures.net etc.)	Number of users in mid-term (M24)	<= 500 (not satisfactory) >= 500 (satisfactory)
Use of online training modules (#dariahTeach, Videolectures.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 1: Objective 1

9.5.1. Evaluation of Research visits

Within this first year (M6 - M13), two calls for travel grants were announced.

The transnational access (TNA) selection committee, received 10 submissions after the first call had been closed. These 10 applications were reviewed and five winners were chosen (50% acceptance rate). The announcement of the winners is documented both on ELEXIS social media channels and the website (https://elex.is/grants-for-research-visits/).

Up to date (March 2019 - M14) four out of five winners have successfully completed their stay at various ELEXIS EU hosting institutions (Spain - RAE, the Netherlands - INT, Germany - TCDH, and Israel - KD), their travel grant reports are publicly available on the homepage: https://elex.is/travel-grant-reports-call-1/. The fifth travel grant winner of this first call will start his research visit in April (at RAE in Spain).

The second call for travel grants gained 10 submissions as well. Again, all applications were reviewed by the TNA committee and five winners were announced for the visiting period April - October 2019 (https://elex.is/grants-for-research-visits/).

In sum, within the first year (M6 - M13) 20 submissions were gathered from both calls, with acceptance rate of 50%.

These indicators show that ELEXIS is very well on track with fulfilling the first target, which is visualized in table 1.

9.5.2. Evaluation of attendance at ELEXIS training events within year 1

The following ELEXIS training events were held in the first year:

- Lexical Data Masterclass:

  The masterclass covered a number of topics ranging from general models for lexical content and TEI-based representation of lexical data in order to working efficiently with XML editors. The participants had the chance to attend different sessions, consult with experts on their own dictionary projects and get to know and test TEI Lex-0, a newly proposed baseline encoding for lexicographic data.

18 participants attended the Lexical Data Masterclass, which was held in December 2018 in Berlin Germany.

Online documentation:
ELEXIS website entry: https://elex.is/the-lexical-data-masterclass/
ELEXIS Twitter Moment: https://twitter.com/i/moments/1072108671100993537

- ESSLLI 2018 summer school

  The 30th edition of ESSLLI (European Summer School in Logic, Language and Information) took place in August 2018 in Sofia, Bulgaria.

  The ESSLLI Summer School offered a variety of foundational, introductory and advanced courses on different topics during two weeks.

  In the second week, members of the ELEXIS consortium, Thierry Declerck (DFKI GmbH, Germany and ACDH-ÖAW, Austria) and John P. McCrae (The National University of Ireland Galway, Ireland), were teaching the course "Introduction to Linked Open Data in Linguistics", which gathered 60 registered participants.

  In total 350 registrations, including teaching staff, were collected.

  Detailed information about the course can be found here:

  http://esslli2018.folli.info/introduction-to-linked-open-data-in-linguistics/.

- Lisbon Summer School 2018

  Held in June 2018 in Lisbon, Portugal, the Lisbon Summer School offered 9 courses within 3 areas. One of these areas, area 2 "Terminology and Lexicography" was co-organized by ELEXIS, offering three courses, which were lectured by ELEXIS partners:

  Course 1: Semantics in Terminology: the contribution of concept to the meaning of term, Christophe Roche – Université Savoie Mont-Blanc, France.

  Course 2: Trends and advanced approaches in Lexicography, Teresa Lino, Raquel Amaro, Rute Costa – NOVA CLUNL, NOVA FCSH, Portugal.

  Course 3: From Print to Screen: The Theory and Practice of Digitizing Dictionaries, Toma Tasovac – Belgrade Center for Digital Humanities, Serbia.

  72 participants from 20 countries had registered for Lisbon Summer School.

  http://clunl.fcsh.unl.pt/en/lisbon-summer-school-linguistics-2018-noticia/

Training Event	Number of Participants	Event branding
Lexical Data Masterclass	18*	co organised, endorsed, supported
Course 'Introduction to Linked Open Data in Linguistics' (@ESSLLI 2018 Summer School)	60 (350)	endorsed co organised, supported
Lisbon Summer School	72	co organised, supported

*the number of registrations was restricted

Table 15: ELEXIS training events - participants and branding

Table 15 shows that in the first year 3 training events were taking place. On average 49 participants attended a training event. In reference to table 1, this is 'satisfactory'.

At this point we can provide information on three upcoming events already:

- LiSeH spring school

The Linked Data and the Semantic Web for Humanities research - spring school is held in Graz, Austria in April 2019. The spring school is co-organized by the Austrian Centre for Digital Humanities at the Austrian Academy of Sciences and the Centre for Information Modelling – Austrian Centre for Digital Humanities at the University of Graz.
The school will give an introduction to the concepts related to the Semantic Web and Linked Data and will give an overview of semantic web technologies and tools with a special focus on application scenarios in the Humanities. More information can be found at:
https://informationsmodellierung.uni-graz.at/de/veranstaltungen/spring-school-liseh-2019/

- 3rd Summer Datathon on Linguistic Linked Open Data (SD-LLOD-19)

is organized in conjunction with and held before the 2nd Conference on Language, Data and Knowledge (LDK-2019) in May 2019. The SD-LLOD datathon has the main goal of giving people from industry and academia practical knowledge in the field of Linked Data and its application to natural language data and natural language annotations, from areas as diverse as knowledge engineering, lexicography, the language sciences, natural language processing and computational philology. The final aim is to enable participants to migrate their own linguistic data and publish them as Linked Data on the Web. More information is provided at: https://elex.is/sd-llod-19/

- Lisbon Summer School 2019

Due to the success of the Lisbon Summer School 2018 a second iteration will be co organised by ELEXIS, where members of the Consortium will teach different modules.

9.5.3. Evaluation of attendance at ELEXIS community building events within year 1
The following ELEXIS community building events were held in the first year:

- ELEXIS Kick Off Meeting

The 17 consortium partners met in Ljubljana, Slovenia, between 15th and 17th February 2018 to kick-off the ELEXIS project. The Meeting took place in the Hotel Slon, in the city centre.

Before the official meeting, the Work Package (WP) leaders met in the morning of 15th February. Then the meeting officially kicked off with an introduction by the project coordinator Simon Krek in the afternoon of 15th February. All the partners in the consortium presented their activities to get to know each other.

On 16th February, in the morning, there was a short presentation of Wikimedia Germany before a whole session of tools tutorials. After the lunch break, different WPs were presented. The day concluded with an official dinner in the evening.

On 17th February the WPs presentations continued and then different issues were discussed.

Figure 11: ELEXIS Kick Off Meeting

- ELEXIS Observer event

The ELEXIS observer event was held in February 2019 in Vienna, Austria, and was primarily intended for representatives of institutions that have become observers or intended to apply for observer status in ELEXIS. Important topics, such as the presentation of ELEXIS Horizon 2020 project (2018-2022), the presentation of (new) ELEXIS online tools and services, ELEXIS observers' role, rights and obligations, Intellectual Property Rights (IPR) issues, copyright, lexicographic standards used and produced by ELEXIS, as well as the project's afterlife were covered in the agenda.

The event was attended by 109 participants from 24 countries all over Europe. Detailed online documentation about the event can be found at:

Videolectures.net: http://videolectures.net/elexisobserver2019_vienna/

ELEXIS website: https://elex.is/observer-event/

ELEXIS Twitter Moment: https://twitter.com/i/moments/1096017642341744641

Figure 12: ELEXIS Observer Event

- ACDH Virtual Hackathon Series

Not only in the context of Digital Humanities but also in other research areas the Open Data movement is gaining momentum. The core goal of this event series was to promote Openness in DH and to show a path towards putting it into practice.

The hackathon series consisted of three hackathons centering on three data sets that were connected to Open Data events that took place in spring 2019:

The first task included enriching a lexicographical dataset, taking place at the time of the ELEXIS Observer Event.

The second task focused on cartographic data, which was based on an Austrian Open Government Data set provided by the City of Vienna and took place at the time of the Open Data Day Vienna.

The final highlight of the series was the third hackathon that took place in the context of the International Open Data Day.

14 registrations were received for the ELEXIS Hackathon, which took place from 4.2. - 20.2.2019 (virtual). The announcement of the winners will be made on 10.5.2019, where the 1st (700€), 2nd (500€) and 3rd place (300€) will be rewarded.

Online documentation:

ACDH Website: https://www.oeaw.ac.at/acdh/about/news-archive/news-detail/article/acdh-virtual-hackathon-series/

ELEXIS Website: https://elex.is/acdh-hackathon/

- ELEXIS @SSH Impact

The conference "Impact of Social Sciences and Humanities for a European Research Agenda – Valuation of SSH in mission-oriented research" took place in late November 2019 in Vienna, Austria. The motto of this international event for policy makers and social science and humanities scholars was "Impact reloaded". The Austrian Academy of Sciences, namely the Austrian Centre for Digital Humanities (ACDH), hosted an information booth at the conference venue.

Within this context, an overview of the ELEXIS project was given, contributors and guests were invited to ask questions and contribute to a constructive discussion.

More than 350 participants (experts from over 40 countries, delegates of the European Commission and National Funding Bodies)[8] attended the event.

Online documentation:

ELEXIS website: https://elex.is/ssh-impact/ (including postings on social media)

- CLARIN conference

The CLARIN Annual Conference is the main annual event of the CLARIN research infrastructure. The event took place in October 2018 in Pisa, Italy.

ELEXIS project was presented both on day 2 at the CLARIN Bazaar (https://www.clarin.eu/clarin-annual-conference-2018-bazaar) by Tanja Wissik and Anna Woldrich, and at the poster session on day 3, by Milos Jakubicek, Iztok Kosem, Simon Krek, Sussi Olsen and Bolette Sandford Pedersen.

Online Documentation:

ELEXIS website: https://elex.is/clarin-2018/

CLARIN Conference 2018 poster: https://www.clarin.eu/sites/default/files/CLARIN2018_Poster-8_Paper-76_Jakub%C3%AD%C4%8Dek-Kosem-Krek-Offersgaard-Olsen-Pedersen.pdf

CLARIN Conference 2018 programme:

https://www.clarin.eu/content/programme-clarin-annual-conference-2018

- Globalex 2018 "Lexicography & WordNets" Workshop at LREC 2018

The workshop took place in May 2018 in Miyazaki, Japan, during LREC 2018, jointly organized by the GLOBALEX Preparatory Board, the Global WordNet Association (GWA) and ELEXIS.

The aim of the workshop was to explore the development of global standards for the evaluation of lexicographic resources and their incorporation into new language technology services and other devices.

42 participants attended the workshop.

Online Documentation:

Globalex 2018: https://globalex2018.globalex.link/2_programme/

LREC 2018: http://lrec2018.lrec-conf.org/en/workshops-and-tutorials/lrec-2018-workshops-online-proceedings/

ELEXIS website: https://elex.is/globalex-2018/

- Linked Data in Linguistics: Towards Linguistic Data Science Workshop at LREC 2018

The 6th Workshop on Linked Data in Linguistics: Towards Linguistic Data Science, co-located with the LREC 2018, was co-organized by ELEXIS.

The workshop targeted 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

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[8] https://www.ots.at/presseaussendung/OTS_20181129_OTS0253/fassmann-geistes-sozial-und-kulturwissenschaften-leisten-zentralen-beitrag-zur-loesung-gesellschaftlicher-herausforderungen

linking language resources, natural language for structured knowledge and structured knowledge for natural language.

Online Documentation:

ELEXIS website: https://elex.is/6th-workshop-on-linked-data-in-linguistics/

Workshop program: http://ldl2018.linguistic-lod.org/program.html

- EURALEX 2018

A strong presence of ELEXIS at the EURALEX congress, held in July 2018 in Ljubljana, Slovenia, had been achieved: two workshops (wnlex & TEI-Lex-0, see below) were conducted, a presentation about ELEXIS was given by Simon Krek and furthermore, an ELEXIS poster was shown at EURALEX poster session.

200 participants had been attending EURALEX 2018.

Online documentation:

Videolectures.net - Presentation by Simon Krek:

http://videolectures.net/euralex2018_krek_lexicographic_infrastructure/?q=euralex%202018

ELEXIS Twitter Moment: https://twitter.com/i/moments/1021691716976496640

- o wnlex Workshop: WordNet as Lexicographical Resource, co-located with EURALEX 2018

In this workshop, the state of the art in the discussed topics had been defined, a survey of solved and unsolved issues had been provided, and an outlook on future work regarding wordnet as a resource in lexicographical workflows was given.

Topics such as Data models for wordnet-like concept-based resources, Wordnet item types as Lexicography item types (issues), translation equivalence - Cross-language linking of items, linking monolingual resources of different types (examples), manual post-editing of WordNet-based dictionary drafts were covered and discussed with 29 participants. The target group for this workshop were lexicographers.

Online Documentation:

About the Workshop: https://wnlex2018.sciencesconf.org/

- o TEI-Lex-0 Workshop: Developing a Baseline Encoding for Lexical Data, co-located with EURALEX 2018

TEI Lex-0, is a customization of the TEI schema that serves as a baseline encoding and interchange format for dictionary data. The workshop aimed at bringing together people working with dictionary data to discuss the TEI Lex-0 as baseline encoding and interchange format for lexicographic data.

Online Documentation:

EURALEX program: http://euralex2018.cjvt.si/programme/co-located-events/

- Workshop on eLexicography: Between Digital Humanities and Artificial Intelligence

Co-located with the EADH Conference 2018 in Galway, Ireland, this highly successful workshop was held in December 2018.

Speakers from existing major lexicographic efforts had been invited to provide summaries of the work at the cutting edge of lexicography. A hands-on tutorial had been provided to enable the 37 registered participants to become familiar with the technologies being developed within ELEXIS. Last but not least, an open call for posters was announced, in order to provide an overview of new projects in the area of electronic lexicography.

Online Documentation:

ELEXIS website entry: https://elex.is/workshop-on-elexicography/

ELEXIS Twitter moment: https://twitter.com/i/moments/1072108490146107393

Community Building Event	Number of Participants	Event branding
ELEXIS Kick Off Meeting	n/a	ELEXIS branded
ELEXIS Observer Event	109	ELEXIS branded
ACDH Hackathon Series	14	co organized, supported
ELEXIS @SSH impact	350 +	endorsed
CLARIN annual conference	n/a	endorsed, supported
GLOBALEX 2018 "Lexicography & WordNets" Workshop @ LREC 2018	42	co organized, endorsed, supported
Linked Data in Linguistics: Towards Linguistic Data Science Workshop @ LREC 2018	n/a	co organized, endorsed, supported
EURALEX 2018	200	co organized, endorsed, supported
wnlex Workshop: WordNet as Lexicographical Resource	29	co organized, endorsed, supported
TEI-Lex-0 Workshop: Developing a Baseline Encoding for Lexical Data	n/a	co organized, endorsed, supported
Workshop on eLexicography: Between Digital Humanities and Artificial Intelligence @EADH2018	37*	ELEXIS branded

*the number of participants was limited

Table 16: ELEXIS community building events - participants and branding

In reference to table 1, table 16 shows, that ELEXIS branded events achieved more than 100 registrations per event, given a non restricted number of registrations, which can be entitled as 'satisfactory'.

In addition ELEXIS endorsed, supported and/or co organized various events, visualized in table 16. Some of these community building events, e.g. the TEI-Lex-0 and wnlex-workshop, were co located within the framework of an annual/biannual conference, e.g. EURALEX conference 2018. The number of participants, if provided, is presented in table ZZ as well.

The following upcoming community building events are planned in the near future:

- "eLexicography between Digital Humanities and Artificial Intelligence: Complexities in Data, Technologies, Communities" Workshop,

will be co-located with the Digital Humanities Conference 2019 (DH2019) in Utrecht in July 2019. The workshop will be the second iteration of the highly successful workshop that took place at EADH Conference in Galway (December 2018). The workshop is co-organized by ELEXIS and Prêt-à-LLOD project.

Specific emphasis in this edition of the workshop will be on complexity in regard of data, technologies and community aspects of lexicography.

More information can be found at: https://lexdhai2019.acdh.oeaw.ac.at/

- DSNA 2019

ELEXIS will be present at the Dictionary Society of North America Conference, held in May 2019 in Bloomington, Indiana, US. Bringing together scholars of lexicography and professional lexicographers, the conference is an important event for anyone interested in modern dictionary research and practices.

A GLOBALEX workshop on Lexicography & Neologisms (GWLN 2019) will also be held at the event. It will focus on issues related to the detection of neologisms – including new words, new meanings of existing words, and new multiword units – and their representation in lexicography and dictionaries, featuring 14 papers from across the world.

More information is available at https://www.indiana.edu/~iucweb/dsna/.

- eLex 2019: Smart Lexicography

ELEXIS is co-organising the 6th biennial conference on electronic lexicography, eLex 2019: Smart Lexicography, held in October 2019 in Sintra, Portugal.

The conference aims to investigate different aspects of "smart lexicography": The use of mobile devices has increased considerably. Yet many dictionaries are still not adapted suitably for these digital formats. How can this situation be improved? What are (some of) the main difficulties faced by dictionary makers? More information about this event is available at https://elex.link/elex2019/.

- o Workshop co-located with eLex2019 "Collocations in Lexicography: existing solutions and future challenges", Sintra, Portugal, on 30 September 2019. The workshop is organised by Iztok Kosem and Polona Gantar, and supported by the Slovenian Research Agency and the ELEXIS project.
- TOTh conference 2019

ELEXIS is supporting the TOTh 2019 conference which will take place in June 2019 in Chambéry, France.

Terminology & Ontology: Theories and applications conference is bringing together people interested in issues related to language and knowledge engineering. A special session will be dedicated to lexical resources and lexicography in connection with ELEXIS. More information about the conference can be found at http://toth.condillac.org/conference.

- LDK 2019 conference

ELEXIS is supporting the Language, Data and Knowledge conference 2019 which will take place in May in Leipzig, Germany.

LDK aims at bringing together researchers from disciplines concerned with the acquisition, curation and use of language data in the context of data science and knowledge-based applications. With the advent of the Web and digital technologies, an ever increasing amount of language data is now available across application areas and industry sectors, including social media, digital archives, company records, etc. The efficient and meaningful exploitation of this data in scientific and commercial innovation is at the core of data science research, employing NLP and machine learning methods as well as semantic technologies based on knowledge graphs. More information about LDK can is available at http://2019.ldk-conf.org/.

- Language Rules? Conference

ELEXIS representatives will be present at the Language Rules? conference, held in April 2019 in Nottingham, UK.

Language Rules brings together practitioners – teachers, examiners, dictionary-makers, speech therapists, legislators, translators, lobbyists, policy-makers, and others – with academics to examine how assumptions and beliefs about correct, acceptable or standard languages impact on everyday life in a multilingual world, including how to tackle potential inequalities. More information and a detailed program is available at https://www.nottingham.ac.uk/conference/fac-arts/clas/language-rules/index.aspx.