

Questionnaire

Summary of the main activities of a research institute of the Slovak Academy of Sciences

Period: January 1, 2016 – December 31, 2021

1. Basic information on the institute:

1.1. Legal name and address: Ľudovít Štúr Institute of Linguistics, Slovak Academy of Sciences, Panská 26, 811 01 Bratislava

1.2. URL of the institute web site: <https://www.juls.savba.sk/>

1.3. Executive body of the institute and its composition

| Directoriat | Name | Year of birth | Years in the position, from - to |
|-----------------------------|-----------------------------------|----------------------|---|
| Director | doc. Mgr. Gabriela Múcsková, PhD. | 1966 | from 2017 |
| Deputy director | Mgr. Bronislava Chocholová, PhD. | 1975 | from 2014 |
| Scientific secretary | PhDr. Sibyla Mislovičová | 1958 | from 1998 |

During the assessment period the position of director was held also by prof. PhDr. Slavomír Ondrejovič, DrSc. – December 1, 2014 to September 31, 2017.

1.4. Head of the Scientific Board: PhDr. Ľubor Králik, CSc.

1.4.1 Composition of the International Advisory Board:

prof. RNDr. Jan Hajič, Dr. – deputy director of the Institute of Formal and Applied Linguistics, Prague, Czech Republic (Ústav formální a aplikované lingvistiky, Matematicko-fyzikální fakulta, Univerzita Karlova, Praha),

Univ.-Prof. Mag. Dr. Stefan-Michael Newerkla – head of the Department of Slavonic Studies, University of Vienna, Austria (Institut für Slawistik, Universität Wien),

prof. dr hab. Jadwiga Waniakowa – head of the Department of Etymology and Geolinguistics, Institute of Polish Language; Polish Academy of Sciences (Instytut Języka Polskiego PAN) and director of the Linguistic Institute of the Faculty of Arts, Jagiellonian University in Krakow, Poland (Instytut Językoznawstwa na Wydziale Filologicznym Uniwersytetu Jagiellońskiego).

1.5. Basic information on the research personnel

1.5.1. Fulltime equivalent work capacity of all employees (FTE all), FTE of employees with university degrees engaged in research projects (FTE researchers)

| 2016 | | 2017 | | 2018 | | 2019 | | 2020 | | 2021 | | 2016-2021 | |
|---------|-----------------|---------|-----------------|---------|-----------------|---------|-----------------|---------|-----------------|---------|-----------------|--------------------------|----------------------------------|
| FTE all | FTE researchers | average FTE all per year | average FTE researchers per year |
| 56,15 | 41,60 | 58,10 | 40,20 | 58,25 | 41,20 | 63,10 | 46,95 | 61,60 | 47,35 | 61,30 | 45,35 | 59,75 | 43,78 |

1.5.2. If applicable, add also a short information on the merger of the institute in the evaluation period. You can also add rows in the above table corresponding to the founding institutes

1.6. Basic information on the funding of the institute

1.6.1. Institutional salary budget, other salary budget¹, non-salary budget²

| Salary budget | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | average |
|--|-------|-------|-------|-------|-------|-------|--------------|
| Institutional salary budget <i>[millions of EUR]</i> | 0,901 | 1,005 | 1,009 | 1,158 | 1,269 | 1,267 | 1,102 |
| Other salary budget <i>[millions of EUR]</i> | 0,052 | 0,002 | 0,018 | 0,036 | 0,046 | 0,040 | 0,032 |
| Total salary budget <i>[millions of EUR]</i> | 0,953 | 1,007 | 1,027 | 1,194 | 1,315 | 1,307 | 1,134 |
| Non-salary budget <i>[millions of EUR]</i> | 0,261 | 0,283 | 0,265 | 0,334 | 0,369 | 0,378 | 0,315 |

1.7. Mission Statement of the Institute as presented in the Foundation Charter indicating the years when it was adopted and revised

The organisation's principal activities are:

- Basic and applied research into the Slovak language, its contemporary and historical forms and varieties, the general theoretical and methodological aspects of its linguistics, the social and cultural aspects of the language functioning in the fields: contemporary language and its dynamics; the lexicographic and lexicological processing of Slovak; Slovak dialects inside and outside Slovakia; historical and etymological research into the language; the external history of the standard language; the theory and practice of the language culture and language policy; sociolinguistic and social linguistic issues; the building of Slovak language corpora, databases and corpus linguistics; research into terminology; onomastic research; Slavistic and comparative linguistic research;
- Providing and managing a research and development infrastructure where the organisation either has right of property or another right, within the scope set in the protocol between the Slovak Academy of Sciences and the organisation under Section 21a (7) of Act 133/2002 on the Slovak Academy of Sciences ("SAS");

¹ Salary budget originating outside the regular budgetary resources of the organization, e.g. from the project funding.

² Includes Goods and Services and PhD fellowships

- c) Acquiring, processing and disseminating information in the areas referred to in (a) above and knowledge from its own research and development; publishing scientific and science popularisation works, proceedings and journals; making available the results of its own research and development on the organisation's website, including corpora, portals and databases; developing language expertise, providing advisory services, consultations, lectures and workshops for government authorities, terminology commissions, institutions of education, organisations and for professional and public audiences;
- d) Participating in the implementation of third-degree study programme of university education, namely in the Slovak language study programme and Slovak language and literature field of study (2.1.27) (since 2020 in the philology field of study);
- e) Collaborating with universities and other legal entities carrying out research and development in the field of science and technology, and with businesses in the areas referred to in (a).

The principal activities of the organisation in the wording above were adopted in the Organisation Statutes adopted in 2018, and they were subsequently amended and updated to be as set out in its Charter from 2003.

1.8. Summary of R&D activity pursued by the institute during the evaluation period in both national and international contexts. Describe the scientific importance and societal impact of each important result/discovery. Explain on general level – the information should be understandable for a non-specialist (recommended 5 pages, max. 10 pages for larger institutes with more than 50 average FTE researchers per year as per Table 1.5.1.)

I. Scientific Policy and Institute's Internal Structure

The Ľudovít Štúr Institute of Linguistics of the Slovak Academy of Sciences (hereinafter L'ŠIL SAS) is unique nationally (and with its specific national focus also unusual in Europe and the world) as the only professional institution where the most comprehensive research into the Slovak language is concentrated, overlapping into theoretical, comparative and interdisciplinary areas.

Being the most comprehensive, however, does not necessarily encompass the full scope of what is now an internally methodologically, substantively differentiated and interdisciplinary developing linguistics as a discipline. Moving in such a direction would require the Institute to hire several times more staff than it has now. This implies the necessity of selecting its priorities to reflect the need for a) continuity of the Institute's research and development; b) further qualitative development of already established research; and c) innovation by introducing new research topics and application in terms of either content or methodology, or both. Achieving a balance between scientific and applied character of the research is another priority of the management of the Institute, as these two types overlap considerably in a large number of linguistic outputs. A further priority is to maintain the authority and prestige the Institute currently enjoys both as a national scientific institution and among the public, while continuously reinforcing the transfer of its own research results to scientific institutions beyond Slovakia and, simultaneously, to bring and implement the world's state-of-the-art approaches and modern trends to the local environment.

Thus, in the assessment period, the Institute's research and development can be summarised in terms of these outlined frameworks and priorities.

The necessity of maintaining continuity applies particularly to long-term research that springs from the Institute's core mission described in 1.7. It mainly constitutes synthetic team projects that focus on research, description of the contemporary language and its functioning in communication, and description of the dialectal and historical varieties of Slovak. More attention has been particularly paid then to research and functioning of the standard language and its cultivation, research on terminology, the history of the language and its codification, and on sociolinguistic issues in the relationship between language and society.

These areas have been and continue to be pursued in defined stages, in followed-up grant projects following a schedule with fixed sub-objectives. Concurrently, these research tendencies as established research disciplines could develop mainly qualitatively from new thematic analyses and theoretical insights evolving from their essential foundations. In addition, completely new research topics and methods have been initiated in response to challenges coming from the scientific and social environment both locally and internationally.

All research and development activities at the Institute have been carried out in various types of institutional and inter-institutional projects both national and international. The Institute is internally organised into six departments. These are the Department of Contemporary Lexicology and Lexicography; Department of the Slovak National Corpus; Department of Language Cultivation and Terminology; Department of Dialectology; Department of the History of the Slovak Language, Onomastics and Etymology; and the Department of Social Linguistics. The teams within each department have cooperated in addressing particular research and intertwined across departments in order to create specific research teams working on individual projects.

II. Summary of R&D activities

1. Research into the **contemporary language** and its **lexicographic processing** – related to the **research of grammar** – was primarily conducted in a project of the academic *Slovník súčasného slovenského jazyka* [*Dictionary of the Contemporary Slovak Language*]. In the assessment period, 4th volume was published (cf. 2.1.8/I.) and entries for subsequent volumes were drafted on a continuous basis. In parallel with the compiling of the dictionary, a digital-born *Ortograficko-gramatický slovník slovenčiny* [*Orthographic and Grammar Dictionary of Slovak*] was finalised with a higher number of entry words and also an expanded apparatus of grammatical characteristics specified to meet the needs of language users. This electronic dictionary became the foundation for entries in other volumes of the academic dictionary. The project's theoretical fundamentals were further enriched by new research in the fields of lexicology and grammar, several of which the project's researchers presented in individual papers. During the period evaluated in this report, this research was mainly conducted on the grammar of the Slovak language, looking into the optimisation of grammatical characterisation in the inflected word types found in the dictionary. Many of them combine lexicographic and grammatical research with the development of corpus linguistics and corpus-based grammar processing and resulted from the building and development of the Slovak National Corpus. There have been publications describing the declension of nouns – *Skloňovanie podstatných mien v slovenčine s korpusovými príkladmi* [*Declension of Nouns in Slovak with Corpus Examples*] produced in 2016, and word connectivity – *Slovník slovných spojení: podstatné mená* [*Dictionary of Collocations: Nouns*] and *Slovník kolokácií prídavných mien v slovenčine* [*Dictionary of Adjective Collocations in Slovak*] (cf. 2.1.8/II.), as well as many other studies and book chapters. A new model of verb conjugation was developed from a system of 63 hierarchical conjugation types, further developed driven by a corpus analysis in order to prepare a separate output which was later published in 2022, after the end of the assessment period. New analysis on the functioning of the category of aspect, as well as of word-formation and grammatical operators were also published in individual studies.

2. Contemporary language research has been strongly influenced in recent years, including the period reviewed here, by the construction of large **language corpora** and the development of **corpus tools** for retrieval and analysis, which continued to be developed between 2016 and 2021 primarily thanks to funding obtained under two successive contracts to pool resources for the building and development of the Slovak National Corpus, which were concluded with the Ministry of Culture, Ministry of Education, Science, Research and Sport, and the Slovak Academy of Sciences which ran from 2012 to 2016 and from 2017 to 2021 (cf. 2.4.6). This project was followed by other thematically focused national and international projects.

There was also a significant expansion in the existing main, web-based and spoken corpora,

as well as eight parallel corpora and six specialised corpora including the historical and dialect corpus. Three new parallel corpora and seven new specialised corpora were built in the assessment period, majority of them lemmatised and morphologically annotated. The multilingual web-based ARANEA corpora were likewise created (cf. 2.1.5/6.). Accompanying the development of corpus databases and the increase in the number of them was the development of new analytical tools such as a tool for semantic annotation and a software for detection of semantic similarity between words.

Corpus databases have become indispensable to all empirical linguistic research and they underpin the production of lexicographic works, further motivating new corpus-based or corpus-driven language research. The outcome was presented in ten monographs and dictionaries that present grammatical and lexicographic research derived from analysis of the corpus and language dynamics. Two publications are of an educational nature intended for corpus users (cf. 2.1.2; 2.1.8/II.), along with almost 200 partial studies.

There were also innovative and original outputs that include two frequency dictionaries based on corpus data: *Frekvenčný slovník slovenčiny na báze Slovenského národného korpusu* [*Frequency Dictionary of Slovak Based on the Slovak National Corpus*] and *Frekvenčný slovník hovorenej slovenčiny na báze Slovenského hovoreného korpusu* [*Frequency Dictionary of Spoken Slovak Based on the Slovak Spoken Corpus*], which along with the methodologically unique *Retrográdný slovník súčasnej slovenčiny – slovné tvary na báze Slovenského národného korpusu* [*Revised Dictionary of Contemporary Slovak. Word Forms Based on the Slovak National Corpus*] contain extensive and clearly presented data on the endings used in Slovak, together with a statistical treatment of their occurrences and distributions (cf. 2.1.8/I.). An original example of the use of quantitative methods in linguistics for stylometric analysis is the Slovak and English language publication *Láska v číslach: Sládkovičova Marína pohľadom kvantitatívnej lingvistiky. – Love in Numbers: Sládkovič's Marína from the Viewpoint of Quantitative Linguistics*, written by an international team, linking different linguistic and literary fields. Another innovative element was a research conducted into the theoretical aspects of corpus linguistics and its correlation with philosophical issues of language that resulted in a scientific monograph *Filozofické aspekty korpusovej lingvistiky* [*Philosophical aspects of corpus linguistics*], written by Miroslav Zumrík (cf. 2.1.8/II.).

Corpus linguistics developed by the Institute significantly links local and international research, especially through studies and chapters published in foreign countries and in foreign languages, the biannual SLOVKO conferences and also through numerous participation by the Institute's researchers in conferences outside Slovakia.

Ten international European projects, including Horizons 2020, COST and EU projects in which the Institute is involved either as a co-investigator or invited observer, hold a special position. These projects are interdisciplinary in nature and primarily focus on developing tools for automatic translation, language learning, and development of artificial intelligence, along with the construction of large multilingual databases (cf. 2.4.1; 3.).

3. In the assessment period, major developments took place in **terminology** research to expand both the quality and quantity of the *Slovak Terminology Database* by adding new sets of terms from other scientific fields and increasing the number of existing collections. More than 10,000 new terms were entered into the database and almost 15,000 records were updated in 23 domains. An original outcome that was also added in the same period was the *Ľudovít Štúr Institute of Linguistics Terminology Portal* (cf. 2.1.5). In 2021, the creators of the database responded to the ongoing COVID-19 pandemic by developing a separate category – Epidemiology and Pandemology – with over 1,000 terms. In addition to terminology cultivation, theoretical issues of terminology have been the subject of several chapters and studies published abroad and in foreign languages. Continuity with previous research in the area was reinforced with comprehensive collections of older terminology-related articles and a set of works by Ján Horecký published in a combined Slovak and English language version (cf. 2.1.8). The development of the terminology portal was closely linked to analysis of the corpora and was also an important source of data validation in compiling the *Slovník súčasného slovenského jazyka* [*Dictionary of Contemporary Slovak Language*], which captures terminological units from more than 100 academic disciplines.

The results from this research were directly applied by terminology committees in government institutions and also in education and counselling (cf. 2.6.1/3).

4. Language counselling and cultivation of the standard language were other areas addressed in the period covered by this report that were directly noticeable by the wider public and made the Institute stand out. It included the language counselling centre, expertises by researchers and lectures. These are outlined in 2.6. There was also popularisation of educational outputs such as *Slovenčina na každý deň* [*Slovak for Everyday Usage*] and in the other publications listed in 2.1.8/IV) along with related activities. A new research element in this area was the initiation of a novel project focusing on Slovak orthography, with the intention of preparing updated normative works, a desire that has long been signalled by professional language users and educators.

5. Cultivation of the language was developed in close connection with research into the dynamics of the contemporary language and interdisciplinary research into language policy and social linguistics. Research was carried out in several independent national projects and two comparatively focused international, bilateral projects, but also within the development of the Slovak National Corpus. A major contribution also came from original dissertations. Research focused on the dynamics of the contemporary language, language norms, management of language issues and the status of minority languages. The results were presented in a collective monograph and also in conference presentations and proceedings (cf. 2.1.8/IV), alongside studies published in Slovakia and other countries. The theoretical basis for studying motivations, expressions and both the cultural and social contexts of language functioning and change were enriched by explanations of how language and social culture is interconnected and manifested. This was explained in a significant monograph written by Juraj Dolník, *Jazyk v sociálnej kultúre* [*Language in Social Culture*]. Published dissertations have brought new insights into the role attitudes play in language formation, a topic discussed in Jaroslava Rusinková's *Spisovná slovenčina ako prirodzený jazyk* [*Standard Slovak as a Natural Language*] or the issue of language dynamics and the older generation, which Perla Bartalošová touched upon in *Jazyk seniorov z hľadiska sociolingvistiky* [*The Language of Older People in Aspect of Sociolinguistics*] (cf. 2.1.8/V.).

Research into social linguistics was recently expanded to include the new, and currently very topical, issue of discrimination, which was examined in a Slovak project focusing on language as a tool used consciously or subconsciously to discriminate against ethnic or social groups.

6. Research into dialectal varieties of Slovak was primarily lexicographical in nature within the project of the academic *Slovník slovenských nářečí*. [*Dictionary of Slovak Dialects*]. Its third volume was published in 2021 (cf. 2.1.8) and entries for the fourth volume were conceived on an ongoing basis. The dictionary is important not just in local, Slovak linguistic and etymological research, but also for comparative Slavic studies, ethnology, and cultural studies.

The concept of the dictionary was associated with expanding research into dialects, data processing, continuous building up archives and expansion of the dictionary's source base. These activities have contributed to other types of dialect research, too. Descriptions of regional dialects were produced during the time period covered in this report, specifically a monograph written by Anna Ramšáková, *Nárečia horných Kysúc v okrese Čadca* [*Dialects of the Upper Kysuce in the District of Čadca*] and extensive chapters in regional monographs about *Rajecká dolina* [*Rajec Valley*] and *Lovinobaňa: história, príroda a spoločnosť* [*Lovinobaňa: history, nature and society*] (2.1.8/VII.). More detailed, descriptive and also cognitive and functionally oriented probing has yielded a number of studies presenting a thematic analysis of dialectal, lexical segments along with partial results received from research in the grammar and syntax of dialectal material. Even though the creators of the dictionary opted to adhere to the concept that was presented in the first volumes, new findings in the elaboration of some structural phenomena brought modifications in the

conception of new entries and innovative solutions for the other volumes in the dictionary as well. The publication in 2015 of the *Stručný etymologický slovník slovenčiny* [*The Concise Etymological Dictionary of Slovak*] significantly expanded knowledge and made an immediate impact on lexicographical practices.

Research conducted into the etymology and historical development of the language resulted in the establishment of an electronic etymological database of the Slovak lexis, ETYMO, which is continuously being built up. New perspectives into the connections between the development of dialects and etymology were presented by Ľubor Králik in *Etymológia a nárečová lexikografia* [*Etymology and Dialectal Lexicography*] (cf. 2.1.8). Likewise, there were new perspectives on selected phenomena in the phonological development of the language brought out by Siniša Habijanec's *Fonologické aspekty vývinu slovenčiny* [*Phonological Aspects of the Development of Slovak*].

Mainly dialectological, but also historical-linguistic and etymological research was conducted by the Institute as part of a long-term international project *Slavic Linguistic Atlas*, which is part of broader scientific cooperation of Slavists carried out by the International Committee of Slavists, bringing together dialectologists from Slavic studies departments in Moscow, Minsk, Kiev, Warsaw, Krakow, Brno, Bautzen, Zagreb, Belgrade, Skopje, Ljubljana, Sarajevo and Sofia. The project sought to use linguistic geography methods to describe differentiated linguistic phenomena within the broader context of genetically related and unrelated languages. Over the last six years, tasks were assigned and completed that were related to the release of new volumes of the Atlas. Two of them, Volumes 9 and 12 (cf. 2.1.2) were co-authored by researchers from the Ľudovít Štúr Institute of Linguistics and released by publishing houses outside Slovakia. Concurrently, the Slovak committee involved with the *Slavic Linguistic Atlas* initiated the development of a new volume on the declension of nouns in Slavic dialects and preparation and publication of this grammatical volume of the atlas has been assigned to them. Incentives from the international team, cooperating and partially addressing language issues related to linguistic phenomena have been capitalising on numerous local and international studies conducted by members of the research team.

7. The link between diachronic and synchronic language research is particularly visible in onomastic research based on the Institute's long-standing and internationally reflected authority in this area. The issue of terrain names (anoikonyms) theoretically developed in numerous studies and practically applied to the creation of a unique electronic database dominated research in the assessment period (cf. 2.1.5). These names were conceptually and lexicographically presented in a separate publication by Iveta Valentová in *Lexika slovenských terénnych názvov* [*Lexicon of Slovak Anoikonyms*] (cf. 2.1.8). Research on surnames in Slovak enclaves located outside of Slovakia, research into personal names and theoretical aspects of onomastics also continued (cf. 2.1.8/VI.).

8. Linguistic research includes researching the discipline itself, the **history of language cognition** and **related standardisation**. Attention was focused during the assessment period on more recent historical periods and the most significant publication coming out of this research was Martina Kopecká's *Kodifikačné tendencie v Pravidlách slovenského pravopisu z rokov 1931-2013* [*Codification Tendencies in the Rules of Slovak Orthography since 1931 to 2013*], its comprehensive analysis of historical and more recent codification changes also sparked a new project that focused on Slovak orthography. Additionally, there were two conferences that resulted in a number of papers, a book of interviews with well-known older linguists and several reprints of older books and articles (cf. 2.1.8/VII.), reinforcing the effort to preserve continuity and simultaneously develop further already established areas of research.

III. Technological innovations and digitalisation

Almost all of the research conducted at the Institute that has been mentioned in this section of the report was markedly influenced in recent years, including in the period reviewed here, by the development and upgrading of software tools for the analysis of large volumes of

linguistic data, along with the development of computerisation and digitisation of linguistic sources and archival collections.

Clearly, the most significant innovations have been seen in the procedures put in place for creating lexicographic works, which had already been radically changed previously by the introduction and use of Sketch Engine. This is a commercial software tool for morphological and collocation analysis of corpus resources for dictionary compilation, which was adapted on continuous basis in order to take into account the specifics of the Slovak language. Another tool is the internal corpus *Omnia Slovaca Major*, which combines data from the Slovak National Corpus and Aranea web corpora. It was subsequently updated and supplemented during the assessment. In the same period, a special (and still in-house) lexicographic corpus, *Lexicorp*, was developed in the Institute. It is a lexicographic portal containing all the dictionaries the Institute has created (including volumes currently being prepared), which are then processed by a "corpus" methodology. In other words, they are morphosyntactically annotated and accessible through a modified corpus manager. This tool allows to search not only for headwords, but for any units within them. It can be used by the authors of large academic dictionaries and also in any special analysis of partial language phenomena or on the stylistic and pragmatic aspects of the language functioning.

Another innovative element employing state-of-the art IT possibilities and tools was the building of electronic databases and portals in hitherto mostly "print" disciplines, opening up space for a wide promotion of the Institute's scientific work. In the spirit of "open science", the Institute provides accessibility both to large-scale linguistic data and to the theoretical outcomes from scientific research to a wide community of professionals working in linguistics, philology and other scientific fields, as well as to people employed at private and public sector institutions, the media and at educational institutions.

IV. Perspectives

The essential conditions for ensuring the continuity of the projects the Institute is implementing and their further quantitative and qualitative development, and in order to create research space for new scientific research innovations, are to have a personnel policy and to educate the younger generation. Emphasis was placed in the previous six years on promoting original research and training younger colleagues, gradually integrating them into existing project tasks. Besides ensuring a doctoral study programme, annual conferences for young linguists and methodological workshops were also held. A new initiative was the organisation of internships for university students (more details can be found in 2.5.8).

2. Partial indicators of main activities:

2.1. Research output

2.1.1. Principal types of research output of the institute: basic research/applied research, international/regional (in percentage)

Basic research: 60 %

Applied research: 40 %

International research: 25 %

Regional research: 75 %

2.1.2 List of selected publications documenting the most important results of basic research. The total number of publications should not exceed the number of average FTE researchers per year. The principal research outputs (max. 10% of the total number of selected publications, including Digital Object Identifier – DOI if available) should be underlined. Authors from the evaluated organizations should be underlined.

Scientific monographs and monographic studies in journals and proceedings published abroad (AAA, ABA)

1. ŽIGO, Pavol – PŘADKOVÁ, P. – IREINOVÁ, M. – MARKOVIK, M. – BENEDIK, F. – SIATKOWSKI, J. – BASARA, J. – ZDUŇSKA, H. – VYGONNAJA, L. – PADLUŽNY, A. – PACECHINA, A. – RUSAK, V. – GRICENKO, P. – TKAČUK, P. – KALNYŇ, L. – VENDINA, T. – ANTROPAV, M. – FIC, K. – PETROVIČ, D. *Obščeslavianskij lingvističeskij atlas: serija fonetiko-grammatičeskaja* [Slavic Linguistic Atlas: Phonetic and Grammar Series]. Vypusk 9. Refleksy: *tort, *tolt, *tert, *telt, *ort, *olt. Odpovědné redaktorky M. Ireinová, P. Přadková. Praha: Academia 2019. 189 s. ISBN 978-80-200-3105-1.
2. VENDINA, T. I. – ŠEKLI, M. – GOSTENČIK, J. – PSYCHOV, V. A. – VARBOT, Ž. Ž. – KRÁLIK, Ľubor – FERENČÍKOVÁ, Adriana. *Obščeslavianskij lingvističeskij atlas (OLA): serija leksiko-slovoobrazovatel'naja* [Slavic Linguistic Atlas: Lexical and Word-formation Series]. Vypusk 12. Ličnyje čerty čeloveka. Otvetstvennyj redaktor T. I. Vendina. Moskva, Sankt-Peterburg: Nestor-Istorija 2020. 384 s. ISBN 978-5-4469-1760-0.
3. VALENTOVÁ, Iveta – CHLEBNICKÝ, Ján. *Slovník priezvisk slovenských rodín zo Slovenského Komlóša* [Dictionary of Surnames of Slovak Families from Slovenský Komláš]. In: DIVIČANOVÁ, Anna et al. *Komlóšske priezviská*. Nadlak: Vydavateľstvo - Editura Ivan Krasko 2017, s. 77-136. ISBN 978-973-107-124-4.
4. VALENTOVÁ, Iveta. Čívske priezviská [Surnames in Piliscsév]. In: *Slovenské inšpirácie z Čívu*. Békešská Čaba: Výskumný ústav Slovákov v Maďarsku 2020, s. 163-237. ISBN 978-615-5330-18-6. ISSN 2631-1283. Available at: <<http://vusm.slovaci.hu/images/fileadmin/kutato/ekonyv/0087.pdf>>

Scientific monographs and monographic studies in journals and proceedings published in Slovakia (AAB, ABB)

5. GARABÍK, Radovan – KARČOVÁ, Agáta – ŠIMKOVÁ, Mária – BRÍDA, Radoslav – ŽÁKOVÁ, Adriána. *Skloňovanie podstatných mien v slovenčine s korpusovými príkladmi* [Declension of Nouns in Slovak with Corpus Examples]. Red. R. Garabík, A. Karčová, M. Šimková. Rec. J. Kesselová, J. Pekarovičová. Bratislava: Jazykovedný ústav Ľ. Štúra SAV, Slovenský národný korpus – Mikula, s.r.o., 2016. 654 s. ISBN 978-80-88814-91-7.
6. DOLNÍK, Juraj. *Jazyk v sociálnej kultúre* [Language in Social Culture]. Rec. S. Ondrejovič, O. Orgoňová. Bratislava: Veda 2017. 248 s. ISBN 978-80-224-1584-2.
7. VALENTOVÁ, Iveta. *Lexika slovenských terénnych názvov (Konceptia lexikografického spracovania)* [Lexicon of Slovak Anonymyms (Concept of Lexicographical Treatment)]. Rec. M. Harvalík, P. Žigo. Bratislava: Slovak Academic Press, 2018. 220 s. ISBN 978-80-89607-69-3.
8. GARABÍK, Radovan – KMEŤOVÁ, Beáta – KARČOVÁ, Agáta – BOBEKOVÁ, Kristína – MAJCHRÁKOVÁ, Daniela - CHLPÍKOVÁ, Katarína. *Retrográdny slovník súčasnej slovenčiny – slovné tvary na báze Slovenského národného korpusu* [Revised Dictionary of Contemporary Slovak. Word Forms Based on the Slovak National Corpus]. Rec. M. Tadič, P. Pognan. Bratislava: VEDA, vydavateľstvo SAV, 2018. 848 s. ISBN 978-80-224-1699-3.
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17. BALLEKOVÁ, Katarína – DVORNICKÁ, Ľubica – FERENČIKOVÁ, Adriana – CHOCHOL, Martin – MÚCSKOVÁ, Gabriela – RÁCZOVÁ, Patrícia – SMATANA, Miloslav – ŠIMUNOVÁ, Dagmar: *Slovník slovenských nárečí* [Dictionary of Slovak Dialects]. III. P (poza) – R. Ved. red. Adriana Ferenčíková. Rec. N. P. Antropov, M. Krčmová, P. Žigo. Bratislava: Veda 2021. 816 s. ISBN 978-80-224-1905-5.
18. *Spytovali ste sa* [You Were Asking]. Ed. S. Mislovičová, I. Vančová. Rec. S. Ondrejovič, D. Slančová. Bratislava: Veda 2017. 293 s. ISBN 978-80-224-1615-3.
19. GARABÍK, Radovan – KMEŤOVÁ, Beáta – ŠIMKOVÁ, Mária – ZUMRÍK, Miroslav. *Frekvenčný slovník slovenčiny na báze Slovenského národného korpusu* [Frequency Dictionary of Slovak Based on the Slovak National Corpus]. Bratislava: Veda 2017. 562 s. ISBN 978-80-224-1630-6.
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21. MAJCHRÁKOVÁ, Daniela – CHLPÍKOVÁ, Katarína – BOBEKOVÁ, Kristína. *Slovník kolokácií prídavných mien v slovenčine* [Dictionary of Adjective Collocations in Slovak]. Rec. M. Koprivová, M. Ološtiak. Bratislava: Veda 2017. 340 s. ISBN 978-80-224-1633-7.
22. GAJDOŠOVÁ, Katarína – ŠIMKOVÁ, Mária. *Frekvenčný slovník hovorenej slovenčiny na báze Slovenského hovoreného korpusu* [Frequency Dictionary of Spoken Slovak

2.1.5. List of other scientific outputs specifically important for the institute, max. 10 items for institute with less than 50 average FTE researchers per year, 20 for institutes with 50 – 100 average FTE researchers per year and so on

The online linguistic databases and portals synthesising the outcome of basic research constitute an important element in the Institute's scientific output and concurrently have had a significant social impact. They are the result of long-term work, most of them by teams, and have been created as part of the Institute's projects. Even as they have become in today's digital environment an obvious part of open science, they have not yet been assigned a code in the official classification of publications and are not reflected as scientific works in any scientometric way. Nonetheless, their status as scientific output is evident in the high number of citations in scientific papers with a different linguistic focus.

The Institute's researchers have created eight completely new databases in the assessment period, while 27 editions of existing databases were expanded and updated. The ten below are presented from the current number of outputs.

I. New databases:

1. Terminology Portal of L'ŠIL SAS (available at: <https://terminologickyportal.sk/>) went online in 2016 and additions have been made to it since then. The portal includes the following:

a) **Slovak Terminology Database** – currently with more than 16,000 terms from 23 scientific disciplines (https://terminologickyportal.sk/wiki/Hlavna_stranka)

b) Overview of dictionaries published in Slovakia and online version of 22 terminological dictionaries released between 1952 and 1964

c) Database of terminology work by Ján Horecký and a complete archives of the scholarly journals *Slovenské odborné názvoslovie* [*Slovak Professional Terminology*] and *Československý terminologický časopis* [*Czechoslovak Terminology Journal*]

d) Links to other terminology databases and dictionaries, as well as a list of terminology commissions established by the ministries and government authorities of the Slovak Republic.

2. Lexis of Slovak Anonymyms (available at: <https://lstn.juls.savba.sk/>) – made available in 2018 with an explanatory and documentary digital dictionary of appellative and proprial lexis occurring in Slovak anonymyms and the conception of lexicographical processing. It also offers the possibility to search alphabetically and by types of onymic objects and map views. There are currently 525 dictionary entries with headwords beginning with the letter A.]

3. Etymological database of the Slovak lexis (ETYMO) (<https://www.juls.savba.sk/etymo.html>) started to be built in 2016 and came online in 2019. It provides information about the origin of vocabulary in the current Slovak standard language, as well as historical varieties of Slovak and in Slovak dialects (expressions preserved from the Proto-Slavic period, words created during the development of Slovak as an independent language, the lexis adopted into Slovak from other foreign languages in different historical periods). It currently contains 750 units (headwords starting with the letter "A").

4. New parallel corpora: Set of SNC parallel corpora (available at: <https://korpus.sk/par.html>), i.e. corpora of identical texts in two different languages based

on either translations between them or translations from a third language paired at sentence level, was added with three new corpora in the evaluated period:

a) *Slovak-Romanian parallel corpus par-skro-fic-1.1* launched in 2016 with 1.3 million tokens (available at: <https://korpus.sk/skro.html>),

b) *Slovak-Polish parallel corpus par-skpl-1.0* launched in 2018 with almost 8.2 million tokens (available at: <https://korpus.sk/skpl.html>),

c) *Slovak-Spanish parallel corpus par-skes-1.0* launched in 2019 with almost 11.5 million tokens (available at: <https://korpus.sk/skes.html>),

5. Corpus of Slovak legislation (available at: <https://www.juls.savba.sk/legalcorp.html>) has been built with funding from the EU project MARCELL; cf. 2.4.1 – project number INEA/CEF/ICT/A2017/1565710). The corpus contains Slovak legislation texts and is automatically lemmatised, morphologically and syntactically annotated, and also is provided with terminological tags and annotation of named entities. The first version was released in 2019 and four more enhanced versions with upgraded tools have since been developed. Version 5 is currently available with 45 million tokens.

6. Aranea – web corpus (available at: <http://aranea.juls.savba.sk>) offers a set of comparable web corpora for 26 languages to provide a convenient dataset for NLP applications that require training on large amounts of data. The corpora are generally each presented in three versions: Minus with 120 million tokens, Maius with 1,200 million tokens and Maximum with the maximum available size. The Minus corpora are accessible online with no registration, while the other corpora have free registration. The corpora were jointly compiled in collaboration with the UNESCO Chair in Plurilingual and Multicultural Communication (Comenius University in Bratislava) and they currently comprise more than 110 corpora and sub-corpora.

II. New expanded versions of already existing databases:

7. Dictionary Portal of L'ŠIL SAS (available at: <https://slovník.juls.savba.sk/>, cf. 2.6.1) – a set of 20 lexicographical works and databases that enable to search for both individual lexical units and on the basis of word parts and regular expressions. It was created in 2003 and the following dictionaries and a corpus database have been added during the evaluation period.

a) *Orthographic and Grammar Dictionary of Slovak* (2021)

b) *Dictionary of Slovak Dialects Vol. 1 and 2* (2021)

c) *Historical Dictionary of the Slovak Language* – all volumes (2021)

d) *Dictionary of Transcriptions from Asian Languages* (2019)

e) *Revised Dictionary of Contemporary Slovak* (2019)

f) *Slovak-French Parallel Corpus* (2021).

All newly listed dictionaries primarily published in book editions have been technically converted and the full text was proofread before it was loaded into the database.

In 2019, a completely upgraded version of the *Dictionary Portal* was made available with minor changes and additions documented in the change history file. During the assessment period, steady increase of annual visits to the portal was recorded to reach more than a million searches in 2021 (cf. 2.6.1).

8. Web language counselling of L'ŠIL SAS (available at: <https://jazikovaporadna.sme.sk/>) – a question and answer database covering various linguistic issues through which language users have contacted the language counselling centre at the L'ŠIL SAS over the years since it was launched. The online database was created in 2013 and in the past six years 1,332 units have been added. There have been minor repairs and upgrades to

existing units on an ongoing basis. Evidence of the importance of an online counselling centre for language practitioners and users is that the number of users has doubled over the period of this report (cf. 2.6.1/2.).

9. Main corpus of written texts in the Slovak National Corpus (available at: [https://korpus.sk/prim\(2d\)9\(2e\)0.html](https://korpus.sk/prim(2d)9(2e)0.html)), This is the primary corpus from among the entire complex of corpus databases containing all currently acquired and corpus-processed texts published or written since 1955. Two new versions of the corpus have been created since the last report was released, version prim-8.0 in 2018 and version prim-9.0 in 2020, resulting in a volume of over 1.65 billion tokens or an increase of approximately 400 million tokens.

During the assessment period, steady increase of unique searches per year in the main corpus was recorded to reach more than 320,000 in 2021 (cf. 2.6.1).

10. Specialised corpora – from among other publicly available corpora in the Slovak National Corpus these were added and updated during the report period:

a) *Dialect corpus of the Slovak National Corpus* (available at: <https://korpus.sk/dialect.html>) – two updated versions: 2016 (494,722 tokens) and 2018 (711,766 tokens)

b) *Historical corpus of Slovak* (available at: <https://korpus.sk/hks.html>) – two updated versions: 2016 (917,586 tokens) and 2020 (997,809 tokens)

c) *Corpus of Spoken Slovak* (available at: <https://korpus.sk/shk.html>) – updated version in 2017 (6.6 million tokens).

2.1.6. List of patents, patent applications, and other intellectual property rights registered abroad

2.1.7. List of patents, patent applications, and other intellectual property rights registered in Slovakia

2.1.8. Narrative on the most important research outputs of the institute – especially focused on their importance for society (3-5 pages)

The structure of the Institute's research outputs reflect the major areas of linguistic research carried out at the institution. Their nature is mainly based on the Institution's own research tradition, although weaker representation by some disciplines is also a consequence of limited staffing.

Lexical research dominates the thematic concentration of the outputs, with a close link to corpus linguistics involving the building of corpora and databases, along with the processing of the natural language with corpus tools. In these areas, the institute is a unique national research centre and its results are used by all research teams at university departments. At the same time, these outputs reflect upon the institution in international lexicographic and corpus-linguistic contexts. Work in these fields are among the most cited outputs from it both in Slovakia and internationally (cf. 2.2.2 – 2.2.4) and have received local and international appreciation (cf. 2.3.9, 2.3.12). Besides the scientific community (and not necessarily just linguists), professional users of the language such as authors, translators, publishers and the media; staff in administrative, legislative and government authorities; and educators at all school levels take advantage of what the institute produces.

I. LEXICOLOGY, LEXICOGRAPHY AND GRAMMAR

The lexicological and lexicographic concentration is also visible in the number of dictionaries that the teams have produced over the assessment period. This research is directly linked to research conducted on the grammar of the language, which – in

conjunction with lexicographic processing and corpus-linguistic tools – focuses mainly on the formal and functional grammar. The dictionaries are the outcome of several research projects and more than half of the scientific staff at the institution have been involved either in writing the dictionaries or editing them. The lexicographical and lexicographical-grammatical works below were published during this time period.

1. Volume 4 of the ***Dictionary of Contemporary Slovak Language O – Pn [Slovník súčasného slovenského jazyka (O – Pn)]*** (2021. 1128 p.) was produced by a fifteen-member team and edited by Alexandra Jarošová. It builds on the concept introduced in Volume 1. Volume 4 contains more than 15,000 headwords, three thousand phraseology units and other phrases of contemporary Slovak alongside other basic terminology from about 100 scientific fields. The dictionary was named *2021 Dictionary of the Year* at the international Czech and Slovak competition organised by the *Union of Interpreters and Translators* and held in Prague, Czech Republic.

2. Volume 3 of the ***Dictionary of Slovak Dialects III. P (poza) – R [Slovník slovenských nářečí III. P (poza) – R]***. (2021. 816 p.) was produced by a thirteen-member team and edited by Adriana Ferenčíková. It is a compilation of the dialect lexis from throughout Slovakia. Volume 3 builds on the concept introduced in Volume 1 and contains more than 10,600 lexical units. It takes current dialect levelling and social changes into consideration to contribute toward preserving a historical image of the society's traditional way of life and culture.

3. Two frequency dictionaries also capture the current vocabulary:

a) ***Frequency Dictionary of Slovak Based on the Slovak National Corpus [Frekvenčný slovník slovenčiny na báze Slovenského národného korpusu]*** (Garabík et al., 2017. 562 p.) – derived from data in the main corpus of written texts, it captures the most frequently used words in contemporary Slovak. The dictionary contains more than 28,000 units in the form of lemmas (distinguished by absolute and average reduced frequency, as well as alphabetically) and additional frequency lists of punctuation marks, graphic symbols and numerals, graphemes and word types.

b) ***Frequency Dictionary of Spoken Slovak Based on the Slovak Spoken Corpus [Frekvenčný slovník hovorenej slovenčiny na báze Slovenského hovoreného korpusu]*** (Šimková – Gajdošová et al., 2018. 416 p.) is the first ever compiled capturing of the occurrences of words and phrases in spoken utterances based on the Corpus of Spoken Slovak. The dictionary contains almost 10,000 of the most often spoken words arranged by absolute frequency, average reduced frequency and alphabetically with expanded frequency data. Subsequent sections display other additional frequency lists.

Both dictionaries provide a complete picture of the most commonly used lexis in contemporary Slovak. In 2018, the latter dictionary was awarded the Literary Fund's Grand Prize in the category of scientific and technical literature.

4. ***Revised Dictionary of Contemporary Slovak. Word Forms Based on the Slovak National Corpus [Retrográdny slovník súčasnej slovenčiny – slovné tvary na báze Slovenského národného korpusu]*** (Garabík et al., 2018. 848 p.) contains extensive and clearly processed information on endings in Slovak, together with a statistical treatment of their occurrence and distribution. This is the first ever dictionary of its type. In addition to information about the use of word endings, it provides a quick orientation about the frequency of grammatical categories while helping to reveal non-intuitive phenomena and relationships in the language. The dictionary received honourable mention by the Literary Fund in the category of scientific and technical literature and was also named *2020 Dictionary of the Year* at the international Czech and Slovak competition organised by the *Union of Interpreters and Translators* and held in Prague, Czech Republic.

5. **Three specialised dictionaries** resulted from a combination of lexicographic work with grammatical research:

a) ***Dictionary of Collocations: Nouns [Slovník slovných spojení: podstatné mená]***

(Ďurčo – Majchráková, 2017. 394 p.) – captures the connectivity of 253 nouns in contemporary Slovak. The collocations consist of typical or established frequent headword phrases arranged by word-class into individual collocation structures. The dictionary section includes statistical data and an index.

b) Dictionary of Adjective Collocations in Slovak [Slovník kolokácií prídavných mien v slovenčine] (Majchráková et al., 2017. 340 p.) – captures collocations of the 500 most frequently used adjectives. In addition to collocations, the dictionary separately distinguishes idioms and phrases. It also contains statistical overviews. It received a certificate of merit at the international Czech and Slovak competition for *2019 Dictionary of the Year* organised by the *Union of Interpreters and Translators* and held in Prague, Czech Republic.

c) Declension of Nouns in Slovak with Corpus Examples [Skloňovanie podstatných mien v slovenčine s korpusovými príkladmi] (Garabík et al., 2016. 654 p.) presents declension of nouns in the form of a dictionary, the dictionary entries of which present the headwords as representatives of groups of words with the same declination. This is the first comprehensive corpus-linguistic capture of the declension of nouns.

These dictionaries can be a reference for further linguistic research and also a tool in translations and in teaching Slovak.

II. CORPUS LINGUISTICS

All of the dictionaries shown here were created with the support of NLP tools and of corpora and databases built at the Institute. These are the foundation for lexical and grammatical research, as well as for the development of corpus linguistics, which have been presented in several publications over the past period:

1. An unconventional book that correlates the general linguistic aspects of language and corpus linguistics is ***Filozofické aspekty korpusovej lingvistiky [Philosophical Aspects of Corpus Linguistics]*** by M. Zumrík (2020. 80 p.). It presents corpus linguistics not just as a discipline that increases the volume of knowledge about the use of language, but also as a tool for uncovering relationships between linguistic phenomena and explaining them. Correlating different areas of research in corpus linguistics with its philosophical aspects reveals opportunities for thinking about the interrelation of reality, mind and language.

2. An example of the specific use of quantitative methods in linguistics is the Slovak and English language book ***Láska v číslach: Sládkovičova Marína pohľadom kvantitatívnej lingvistiky. – Love in Numbers: Sládkovič's Marína from the Viewpoint of Quantitative Linguistics***, written by an international team (Místecký – Kolenčíková – Navrátil – Altmann, 2020. 212 p.). The monograph introduces a comprehensive stylometric analysis of *Marína*, the best known work by Andrej Sládkovič (1820-1872) and links different linguistic and literary fields (such as word richness, rhyme, word types, syntactic properties and narrative/descriptive character).

3. Two publications that promoted corpus linguistics and corpus databases, focusing on how they are created, structured and outlining the possibilities for using them were published in the reported period. They include information about the corpora, sub-corpora and language sources in the Slovak National Corpus, with a description of basic annotations, terminological glossary and the most frequently used meta-labels and meta-operators to retrieve linguistic phenomena. They are intended for linguistics, teachers of Slovak and foreign languages, translators, students and other people interested in language. Exercises and practical demonstrations reinforce the skills needed to use the corpora, presenting among other things the possibilities of using the corpora in education. These are the ***Slovenský národný korpus. Texty, anotácie, vyhľadávania [Slovak National Corpus: Texts, Annotations and Searches]*** (Šimková et al., 2017. 167 p.) and ***Slovenský národný korpus. Používanie, príklady, postupy [Slovak National Corpus: Usage, Examples and Steps]*** (Šimková – Gajdošová, 2020. 334 p.).

4. Corpus-linguistic research at the Institute is made visible in an international context at SLOVKO, a biennial international conference the papers of which have been published in English in thematic issues of *Jazykovedný časopis [Journal of Linguistics]*. These were featured in three issues (2017, Vol. 68, No. 2 subtitled *NLP, Corpus Linguistics, Terminology, e-Terminology*, 2019, Vol. 70, No. 2, subtitled *NLP, Corpus Linguistics, Language Dynamics* and 2021, Vol. 72, No. 2, subtitled *NLP, Corpus Linguistics and Interdisciplinarity*). There was also a special fourth issue of the journal in 2021 devoted to *Aranea*, family of web corpora.

III. TERMINOLOGY

The study and management of terminology are closely interrelated with the abovementioned linguistic subdisciplines and the Institute is involved here at the levels of both application and basic research. The result is the earlier mentioned terminology portal of the LŠIL SAS (cf. 2.1.5) and also the Slovak-English version of *Človek a jeho jazyk 4. Terminologické inšpirácie profesora Jána Horeckého – Man and His Language 4. Selected Terminological Papers of Ján Horecký*, which presents the work of Ján Horecký as a source for further analysis of the language and terminology in a historical and systematic aspect. It is a selection of terminological works by Horecký, chosen and commented by Jana Levická and Miroslav Zumrík in separate studies.

IV. DYNAMICS OF LANGUAGE AND ITS CULTIVATION

Linking basic and applied research is a field that, on one hand, investigates changes in contemporary language and, on the other hand, reflects the natural dynamics of languages in the cultivation of its standard variety.

1. The publications below present the results from investigations of these changes:

a) *Dynamické javy v súčasnej slovenčine a jej výskume [Dynamic Phenomena in Contemporary Slovak and its Research]* (Šimková – Levická – Debnár, 2018. 196 p.) focuses on selected dynamic phenomena in the language (adaption of borrowed words, terminology and stylistics). The language's variable properties are documented from Slovak National Corpus data. The book is intended for linguists, literary scholars, terminologists, translators and students in these fields.

b) *Aktuálne otázky slovenského jazyka [Current Issues in the Slovak Language]* (2017. 253 p.) presents an interpretative framework for evaluating new phenomena in the contemporary Slovak language. It is based on the actual norm of the standard language, from which ongoing changes in the language and its communication sphere are classified and evaluated. Work with the Slovak language corpora has brought new facts forward and showed previously strict linguistic rules weakening. A fundamental insight is the de-standardisation of universal linguistic conventions, leading to the creation of new and distinct micro-standards.

c) *Jazyk a jazykoveda v pohybe II. [Language and Linguistics in Motion II]* (2017. 575 p.) comprises papers collected from *(Socio)Linguistics – Perspectives, Limits and Myths [(Socio)lingvistika – perspektívy, limity a mýty]*, an international conference honouring Professor Slavomír Ondrejovič for his jubilee. They reflect the sociolinguistic view of language and its functioning, which dominate the work of this Slovak sociolinguist.

2. The natural dynamics of languages are highlighted with a distinctly applied nature in the publications that focus on language issues and cultivation of the language.

a) *Jazykové problémy, ktorých riešenie sa ťažko hľadá [Language Issues Whose Solutions Are Hard to Find]* (2020. 187 p.) - is a collection of papers analysing new or variant phenomena in the contemporary development of Slovak that takes account of the users of the language and their demands and needs.

b) *Prechyl'ovanie: áno – nie? [Feminine Forms of Surnames: Yes or No?]* (2016. 158 p.) focusses on the genesis, forms and issues in the gender marking of surnames. The

papers collected here provide insight into the surnames of women in Slovakia and other countries from historical, onomastic, sociolinguistic, social and legal points of view.

c) ***Slovenčina na každý deň: rady – odporúčania – testy [Slovak for Everyday Usage: Suggestions, Recommendations and Tests]*** (Mislovičová et al., 2020. 247 s.) is a scientific popularising monograph intended for professional language users, schools and the general public. It contains up-to-date advice and recommendations on usage of Slovak, ranging from how to spell words to their morphology, syntax, lexis and pronunciation.

d) Two selections of older contributions from regular columns in *Kultúra slova [Culture of the Word]*: ***Spytovali ste sa [You Were Asking]*** (2017. 293 p.) and ***Rozličnosti o slovenčine [Differences in Slovak]*** (2019. 272 p.).

V. SOCIAL ASPECTS IN THE FUNCTIONING OF LANGUAGE

This follows up on what was discussed in the previous area with research into the social aspects of the dynamics and function of language, the relationship between language and society and how the dynamics of language reflects problems in society.

1. The most significant output in the assessment period is a monograph by Juraj Dolník, ***Jazyk v sociálnej kultúre [Language in Social Culture]*** (2017. 248 p.) It concentrates on how language is linked to social culture. Dolník presents his own vision of the various expressions of language in selected sections of social culture, analysing and interpreting them in a philosophical, epistemological, semiotic, cultural and theoretical communication background. It also considers what, in its broadest sense, evolutionary theory has to offer for understanding contemporary humans in their linguistic modality. In 2017, it also received honourable mention by the Literary Fund in the category of scientific and technical literature.

2. Specific social aspects of how language works were discussed in different dissertations written by two young female doctoral candidates that were published in series *Jazykovedné štúdie [Linguistic Studies]*. They are:

a) ***Jazyk seniorov z hľadiska sociolingvistiky [The Language of Older People in Aspect of Sociolinguistics]*** Perla Bartalošová (2020. 116 p.) and

b) ***Spisovná slovenčina ako prirodzený jazyk. (Na pozadí jazykových postojov) [Standard Slovak as a Natural Language. (On the Background of Language Attitudes)]*** Jaroslava Rusinková (2020. 94 p.).

3. The impact of the political context on the linguistic development of Slovak is presented in ***Language Planning in Slovakia: Nation-Building in the Context of European Integration*** (Sloboda – Molnár Satinská – Nábělková), which was published as a chapter in *Language Planning in the Post-Communist Era: The Struggles for Language Control in the New Order in Eastern Europe, Eurasia and China* (Palgrave Macmillan, 2018, p. 261-286).

VI. ONOMASTICS

The institution has long maintained a tradition of onomastic research whose outcome has been presented both locally and internationally. Several studies and monographs have been recently published in this area.

1. ***Lexika slovenských terénnych názvov (Konceptcia lexikografického spracovania) [Lexicon of Slovak Anonymyms (Concept of Lexicographical Treatment)]*** by Iveta Valentová (2018. 220 p.) concentrates on the appellative and proprial lexis of terrain names (anonymyms), with a list of headwords starting with the letter "A". It also discusses the significance and wider social use of terrain names, as well as other possibilities in researching and synthetic processing this rare toponymic material.

2. Two separate chapters by Iveta Valentová discuss the issue of surnames among families of Slovak origin in two enclaves of Slovaks living in Hungary. These were included and published in **Komlóšske priezviská [Surnames in Tótkomlós]** (2017 – *Slovník priezvisk slovenských rodín zo Slovenského Komlóša [Dictionary of Surnames of Slovak Families from Slovenský Komlós]*; p. 77-136, co-written with Ján Chlebnický) and **Slovenské inšpirácie z Čívu [Slovak Inspirations from Piliscsév]** (2020 – *Čívske priezviská [Surnames in Piliscsév]*; p. 163-237). Both publications reveal the roots of Slovaks living in Slovak language enclaves of Hungary against the background of surname research.

3. Milan Harvalík participated in the preparation of a monograph by an international team. **Jména států a jejich územních částí [Names of the States and Their Territorial Parts]** (2021. 242 p.). It presents Czech proper lexicon which simultaneously provides a motivation for Slovak research of a similar nature.

4. **Konvergenzie a divergenzie v propriálnej sfére [Convergences and Divergences in the Proprial Sphere]** (2019. 539 p.) is a collection of papers presented at the 20th Onomastic Conference of Slovakia, which was organised with the cooperation of Matej Bel University in Banská Bystrica. They focus on theoretical and methodological issues in onomastics, terminology issues and the processing of toponymic, anthroponymic and chrematonymic material.

5. On the occasion of the 100th anniversary of the birth of eminent Slovak onomastician Vincent Blanár, a special issue was published of **Jazykovedný časopis [Journal of Linguistics]** (2021, Vol. 72, No. 1) mainly discussing the theory and methodology of onomastics.

VII. DIACHRONIC AND DIALECTOLOGICAL RESEARCH

1. Major outputs in this field are the two volumes of *Slovanský jazykový atlas [Slavic Linguistic Atlas]*, edited and published outside Slovakia. Researchers of the Institute Pavol Žigo, Adriana Ferenčíková and Ľubor Králik participated in their preparation as authors of particular maps:

Obščeslavijskij lingvističeskij atlas: serija fonetiko-grammatičeskaja. Vypusk 9. Refleksy: *tort, *tolt, *tert, *telt, *ort, *olt [Slavic Linguistic Atlas: Phonetic-Grammatical Series] (2019. 189 p.) and

Obščeslavijskij lingvističeskij atlas: serija leksiko-slovoobrazovatel'naja. Vypusk 12. Ličnyje čerty čeloveka [Slavic Linguistic Atlas: Lexico-verbal series] (2020. 384 p.).

The atlas volumes result from long-term international cooperation in the research of Slavic languages. The completion of the volumes in stages results in creating a linguistic image of the history and culture of Slavic ethnic groups and their linguistic and ethnic contacts both among each other and outside of them.

2. Development of the Slovak language with respect to other Slavic languages is presented in **Fonologické aspekty vývinu slovenčiny [Phonological Aspects of the Development of Slovak]** (Habijanec, 2018. 176 p.). Seven chapters discuss issues in the phonological development of Slovak from material in the dialectal and historical archives of the ĽŠIL SAS.

3. The interdisciplinary nature of **Etymológia a nárečová lexikografia (na materiáli Slovníka slovenských nárečí) [Etymology and Dialectal Lexicography (on the Material of the Dictionary of Slovak Dialects)]** (Králik, 2020. 176 p.) brings an etymological interpretation to more than 130 dialect lexemes from the first two volumes of the *Slovník slovenských nárečí [Dictionary of Slovak Dialects]*. The book clarifies the mutual relationship between etymology and dialect lexicography, formulating some general methodological recommendations for lexicographical practice. Due to its subject matter, it goes beyond the scope of Slovak studies and can be inspirational for foreign linguists engaged in etymological research and lexicographical dialect lexis work.

4. In addition to the conception of a national dictionary of Slovak dialects (cf. Chapter I), attention has also been paid to individual regional varieties. Three publications of this nature have been published:

a) The ethnographic *Rajecká dolina [Rajec Valley]* (2018. 416 s.) has a section about the dialect of the region of Slovakia around the city of Rajec that was prepared by Miloslav Smatana;

b) The ethnographic work *Lovinobaňa: história, príroda a spoločnosť [Lovinobaňa: History, Nature and Society]* (2019. 429 s.) includes a chapter focusing on the dialect and linguistic history of the region, which was mainly produced and written by Pavol Žigo;

c) Anna Ramšáková's *Nárečia horných Kysúc v okrese Čadca [Dialects of the Upper Kysuce in the District of Čadca]* (2020. 240 p.) was published in series *Jazykovedné štúdie [Linguistic Studies]*.

5. The external history of the (mainly standard) language was presented in the following publications:

a) Martina Kopecká's *Kodifikačné tendencie v Pravidlách slovenského pravopisu z rokov 1931 – 2013 [Codification Tendencies in the Rules of Slovak Orthography since 1931 to 2013]* (2019. 378 p.) is based on her dissertation and was published in *Jazykovedné štúdie [Linguistic Studies]*.

b) Contributions from two conferences were collected in compendium: *Jazykovedné dielo Ľudovíta Štúra v historických a súčasných interpretáciách [The Linguistic Work of Ľudovít Štúr in Historical and Contemporary Interpretations]* (2017. 207 p.) from the 200th anniversary celebrations of the birth of the Ľudovít Štúr and *Fenomén Ďurovič [The Phenomenon of Ďurovič]* (2016. 126 s.), a conference honouring eminent Swedish Slavist Ľubomir Ďurovič, who originally came from Slovakia. The latter conference was organised with the cooperation of the Faculty of Arts, Comenius University.

c) A book of 14 interviews with major linguistic personalities of the older and oldest generations about the history of Slovak linguistics in *Očami slovenských jazykovedcov: Rozhovory o premenách jazyka a jeho výskumu na Slovensku [Through the Eyes of Slovak Linguists: Interviews on the Language's Changes and Research into it in Slovakia]* (2019. 239 p.).

The Institute's research outputs also reflect the linking of the scientific legacy of the older generation of linguists with the early work of their young successors. There are four dissertations published on the topic of linguistics by four young female linguists, Perla Bartalošová, Jaroslava Rusinková, Martina Kopecká and Anna Ramšáková and eight sets of papers by young linguists collected in the *VARIA* series (Volumes 23-30) from conferences of the *Kolokvium mladých jazykovedcov [Colloquium of Young Linguists]*. The Institute participated in the preparation of several collections and independently set for publication two of them in 2017 and 2021.

On the other hand, manuscripts, collected works and selections from the works of older linguists were concurrently published: Izidor Kotulič: *Historické hláskoslovie a tvaroslovie východoslovenských nárečí [Historical Phonology and Morphology of East Slovak Dialects]*, published in 1957 (2017. 269 p.), selections by Ľubomir Ďurovič *Predhistória spisovnej slovenčiny [Prehistory of the Standard Slovak]* (2018. 198 p.), a two-volume selection of works by Klára Buzássyová *Ako sa rodia a žijú slová. I, II [How Words are Born and Live, Vol. I and II]* (2018. 384 p. + 384 p.), selected works by Adriana Ferenčíková *Poklady pod povrchom slov ukryté [Treasures Hidden beneath the Surface of Words]* (2019. 480 p.), the first of a planned set of the collected work by Ľudovít Novák in *Súborné dielo: I. diel (1929 – 1934) [Collected Work: Volume I (1929 – 1934)]* (2019. 528 p.) and the earlier mentioned set of terminological contributions by Ján Horecký in *Man and His Language 4. Selected Terminological Papers of Ján Horecký – Človek a jeho jazyk 4. Terminologické inšpirácie profesora Jána Horeckého* (2019. 188 p. Slovak, 209 p. English). The hitherto either unavailable or

scattered works of predecessor linguists are a legacy of their knowledge and a source of learning, and are now available also digitally.

2.1.9. Table of research outputs

Papers from international collaborations in large-scale scientific projects (Dwarf team, ALICE Collaboration, ATLAS collaboration, CD Collaboration, H1 Collaboration, HADES Collaboration, and STAR Collaboration) have to be listed separately

| Scientific publications | 2016 | | | 2017 | | | 2018 | | | 2019 | | | 2020 | | | 2021 | | | total | | | |
|--|--------|----------------------|---------------------------------------|--------|----------------------|---------------------------------------|--------|----------------------|---------------------------------------|--------|----------------------|---------------------------------------|--------|----------------------|---------------------------------------|--------|----------------------|---------------------------------------|--------|--------------------------|--------------------------|---|
| | number | No. / FTE researches | No. / one million total salary budget | number | No. / FTE researches | No. / one million total salary budget | number | No. / FTE researches | No. / one million total salary budget | number | No. / FTE researches | No. / one million total salary budget | number | No. / FTE researches | No. / one million total salary budget | number | No. / FTE researches | No. / one million total salary budget | number | averaged number per year | av. No. / FTE researches | av. No. / one million total salary budget |
| Scientific monographs and monographic studies in journals and proceedings published abroad (AAA, ABA) | 0 | 0,000 | 0,000 | 1 | 0,025 | 0,993 | 0 | 0,000 | 0,000 | 1 | 0,021 | 0,838 | 2 | 0,042 | 1,521 | 0 | 0,000 | 0,000 | 4 | 0,667 | 0,015 | 0,588 |
| Scientific monographs and monographic studies in journals and proceedings published in Slovakia (AAB, ABB) | 1 | 0,024 | 1,049 | 1 | 0,025 | 0,993 | 7 | 0,170 | 6,816 | 1 | 0,021 | 0,838 | 6 | 0,127 | 4,563 | 2 | 0,044 | 1,530 | 18 | 3,000 | 0,069 | 2,646 |
| Chapters in scientific monographs published abroad (ABC) | 0 | 0,000 | 0,000 | 2 | 0,050 | 1,986 | 3 | 0,073 | 2,921 | 0 | 0,000 | 0,000 | 1 | 0,021 | 0,760 | 0 | 0,000 | 0,000 | 6 | 1,000 | 0,023 | 0,882 |
| Chapters in scientific monographs published in Slovakia (ABD) | 0 | 0,000 | 0,000 | 5 | 0,124 | 4,965 | 1 | 0,024 | 0,974 | 0 | 0,000 | 0,000 | 0 | 0,000 | 0,000 | 0 | 0,000 | 0,000 | 6 | 1,000 | 0,023 | 0,882 |
| Scientific papers published in journals registered in Current Contents Connect (ADCA, ADCB, ADDA, ADEB) | 1 | 0,024 | 1,049 | 1 | 0,025 | 0,993 | 0 | 0,000 | 0,000 | 0 | 0,000 | 0,000 | 0 | 0,000 | 0,000 | 0 | 0,000 | 0,000 | 2 | 0,333 | 0,008 | 0,294 |
| Scientific papers published in journals registered in Web of Science Core Collection and SCOPUS not listed above (ADMA, ADMB, ADNA, ADNBN) | 14 | 0,337 | 14,690 | 12 | 0,299 | 11,917 | 12 | 0,291 | 11,685 | 14 | 0,298 | 11,725 | 16 | 0,338 | 12,167 | 13 | 0,287 | 9,946 | 81 | 13,500 | 0,308 | 11,907 |
| Scientific papers published in other foreign journals (not listed above) (ADEA, ADEB) | 1 | 0,024 | 1,049 | 1 | 0,025 | 0,993 | 3 | 0,073 | 2,921 | 4 | 0,085 | 3,350 | 2 | 0,042 | 1,521 | 2 | 0,044 | 1,530 | 13 | 2,167 | 0,049 | 1,911 |
| Scientific papers published in other domestic journals (not listed above) (ADFA, ADFB) | 6 | 0,144 | 6,296 | 3 | 0,075 | 2,979 | 4 | 0,097 | 3,895 | 2 | 0,043 | 1,675 | 11 | 0,232 | 8,365 | 13 | 0,287 | 9,946 | 39 | 6,500 | 0,148 | 5,733 |
| Scientific papers published in foreign peer-reviewed proceedings (AECA) | 0 | 0,000 | 0,000 | 3 | 0,075 | 2,979 | 6 | 0,146 | 5,842 | 3 | 0,064 | 2,513 | 4 | 0,084 | 3,042 | 3 | 0,066 | 2,295 | 19 | 3,167 | 0,072 | 2,793 |
| Scientific papers published in domestic peer-reviewed proceedings (AEDA) | 0 | 0,000 | 0,000 | 3 | 0,075 | 2,979 | 8 | 0,194 | 7,790 | 10 | 0,213 | 8,375 | 2 | 0,042 | 1,521 | 4 | 0,088 | 3,060 | 27 | 4,500 | 0,103 | 3,969 |
| Published papers (full text) from foreign scientific conferences (AFA, AFC) | 2 | 0,048 | 2,099 | 7 | 0,174 | 6,951 | 7 | 0,170 | 6,816 | 5 | 0,106 | 4,188 | 4 | 0,084 | 3,042 | 4 | 0,088 | 3,060 | 29 | 4,833 | 0,110 | 4,263 |
| Published papers (full text) from domestic scientific conferences (AFB, AFD) | 6 | 0,144 | 6,296 | 27 | 0,672 | 26,812 | 2 | 0,049 | 1,947 | 8 | 0,170 | 6,700 | 13 | 0,275 | 9,886 | 5 | 0 | 4 | 61 | 10 | 0 | 9 |

2.2. Measures of research outputs (citations, etc.)

2.2.1. Table with citations per annum (without self-citations)

Citations of papers from international collaborations in large-scale scientific projects (Dwarf team, ALICE Collaboration, ATLAS collaboration, CD Collaboration, H1 Collaboration, HADES Collaboration, and STAR Collaboration) are listed separately

| Citations, reviews | 2015 | | 2016 | | 2017 | | 2018 | | 2019 | | 2020 | | total | | |
|--|--------|-----------------------|--------|-----------------------|--------|-----------------------|--------|-----------------------|--------|-----------------------|--------|-----------------------|--------------|--------------------------|---------------------------|
| | number | No. / FTE researchers | number | averaged number per year | av. No. / FTE researchers |
| Citations in Web of Science Core Collection (1.1, 2.1) | 58 | 1,39 | 43 | 1,07 | 48 | 1,17 | 78 | 1,66 | 91 | 1,92 | 78 | 1,72 | 396 | 66,00 | 1,51 |
| Citations in SCOPUS (1.2, 2.2) if not listed above | 137 | 3,29 | 164 | 4,08 | 102 | 2,48 | 336 | 7,16 | 229 | 4,84 | 226 | 4,98 | 1 194 | 199,00 | 4,55 |
| Citations in other citation indexes and databases (not listed above) (3.2,4.2) | 0 | 0,00 | 0 | 0,00 | 0 | 0,00 | 2 | 0,04 | 10 | 0,21 | 16 | 0,35 | 28 | 4,67 | 0,11 |
| Other citations (not listed above) (3.1, 4.1) | 1 391 | 33,44 | 569 | 14,15 | 918 | 22,28 | 697 | 14,85 | 897 | 18,94 | 747 | 16,47 | 5 219 | 869,83 | 19,87 |
| Reviews (5,6) | 6 | 0,14 | 25 | 0,62 | 4 | 0,10 | 11 | 0,23 | 6 | 0,13 | 5 | 0,11 | 57 | 9,50 | 0,22 |

2.2.2. List of 10 most-cited publications published any time with the address of the institute, with number of citations in the assessment period (2015 – 2020)

1. KRÁLIK, Ľubor. *Stručný etymologický slovník slovenčiny* [The Concise Etymological Dictionary of Slovak]. Rec. I. Janyšková, P. Žigo. Bratislava: Veda 2015. 704 s. ISBN 978-80-224-1493-7. **[350 citations]**
2. DORUĽA, Ján – KAČALA, Ján – MARSINOVÁ, Marta – MASÁR, Ivan – MICHALUS, Štefan – PECIAR, Štefan – PISÁRČIKOVÁ, Mária – POVAŽAJ, Matej – SLIVKOVÁ, Viera – SMIEŠKOVÁ, Elena – TIBENSKÁ, Eva – URBANČOK, Milan. *Krátky slovník slovenského jazyka* [The Concise Dictionary of Slovak Language]. Red. J. Kačala, M. Pisárčiková, M. Považaj. 4. dopl. a upr. vyd. Bratislava: Veda 2003. 985 s. ISBN 80-224-0750-X. **[262 citations]**
3. BALÁŽOVÁ, Ľubica – BUZÁSSYOVÁ, Klára – ČIERNA, Mária – HOLIČOVÁ, Bronislava – JANOČKOVÁ, Nicol – ORAVCOVÁ, Adriana – ORAVCOVÁ, Anna – PETRUFOVÁ, Magdaléna – PORUBSKÁ, Emília – ŠEBESTOVÁ, Anna – ŠUFLIARSKA, Alexandra – ZAMBOROVÁ, Marta. *Slovník súčasného slovenského jazyka (A - G)* [Dictionary of Contemporary Slovak (A - G)]. Hl. red. K. Buzássyová, A. Jarošová. Bratislava: Veda, vydavateľstvo SAV 2006. 1134 s. ISBN 80-224-0932-4. **[215 citations]**
4. AVRAMOVOVÁ, Miroslava – BALÁŽOVÁ, Ľubica – ČIERNA, Mária – HAŠANOVÁ, Jana – CHOCHOLOVÁ, Bronislava – JANOČKOVÁ, Nicol – JAROŠOVÁ, Alexandra – KONČALOVÁ, Jana – KOVÁČOVÁ, Mária – OCETOVÁ, Lenka – ORAVCOVÁ, Adriana – ORAVCOVÁ, Anna – PETRUFOVÁ, Magdaléna – PORUBSKÁ, Emília – ŠEBESTOVÁ, Anna – ŠUFLIARSKA, Alexandra – ZVONČEKOVÁ, Dáša. *Slovník súčasného slovenského jazyka (H - L)* [Dictionary of Contemporary Slovak (H - L)]. Ved. red. A. Jarošová, K. Buzássyová. Rec. Ľ. Králik, J. Mlacek, S. Ondrejovič, M. Sokolová. Bratislava: Veda 2011. 1087 s. ISBN 978-80-224-1172-1. **[167 citations]**
5. *Morfológia slovenského jazyka* [Morphology of the Slovak Language]. Red. J. Ružička. Bratislava: Vydavateľstvo SAV, 1966. 895 s. **[142 citations]**
6. FERENČÍKOVÁ, Adriana – HABOVŠTIK, Anton – LIPTÁK, Štefan – MALÍKOVÁ, Oľga – NIŽNANSKÝ, Jozef R. – RIPKA, Ivor – ŠIKROVÁ, Jarmila. *Slovník slovenských nárečí. I. A - K* [Dictionary of Slovak Dialects]. Red. I. Ripka et al. Bratislava: Veda 1994. 936 s. ISBN 80-224-0183-8. **[125 citations]**
7. BENKO, Vladimír. Aranea: Yet another Family of (Comparable) Web Corpora. In: *Text, Speech, and Dialogue. 17th International Conference, TSD 2014 Brno, Czech Republic, September 8-12, 2014. Proceedings.* Cham, Heidelberg, New York, Dordrecht, London: Springer, 2014, s. 247-256. ISBN 978-3-319-10815-5. ISSN 0302-9743. Available at: https://doi.org/10.1007/978-3-319-10816-2_31. **[113 citations]**
8. AVRAMOVOVÁ, Miroslava – BALÁŽOVÁ, Ľubica – HAŠANOVÁ, Jana – CHOCHOLOVÁ, Bronislava – JANOČKOVÁ, Nicol – JAROŠOVÁ, Alexandra – KONČALOVÁ, Jana – OCETOVÁ, Lenka – ORAVCOVÁ, Adriana – PETRUFOVÁ, Magdaléna – PORUBSKÁ, Emília – ŠEBESTOVÁ, Anna – ŠUFLIARSKA, Alexandra – ZVONČEKOVÁ, Dáša. *Slovník súčasného slovenského jazyka (M - N)* [Dictionary of Contemporary Slovak (M - N)]. Ed. A. Jarošová. Rec. Ľ. Králik, J. Mlacek, S. Ondrejovič. Bratislava: Veda 2015. 1100 s. ISBN 978-80-224-1485-2. **[102 citations]**

9. HORECKÝ, Ján – BUZÁSSYOVÁ, Klára – BOSÁK, Ján. *Dynamika slovnej zásoby súčasnej slovenčiny* [Dynamics of Lexicon of Contemporary Slovak]. Bratislava: Veda 1989. 429 s. ISBN 80-2240-047-5. **[100 citations]**
10. DVONČ, Ladislav – DORUĽA, Ján – GENZOR, Jozef – HORECKÝ, Ján – KAČALA, Ján – KOČIŠ, František – MASÁR, Ivan – POVAŽAJ, Matej. *Pravidlá slovenského pravopisu*. [The Rules of Slovak Orthography]. Red. Matej Považaj. 3. upr. a dopl. vyd. Bratislava: Veda 2000. 590 s. ISBN 80-224-0655-4. **[98 citations]**

2.2.3. List of 10 most-cited publications published any time with the address of the institute, with number of citations obtained until 2020

1. DORUĽA, Ján – KAČALA, Ján – MARSINOVÁ, Marta – MASÁR, Ivan – MICHALUS, Štefan – PECIAR, Štefan – PISÁRČIKOVÁ, Mária – POVAŽAJ, Matej – SLIVKOVÁ, Viera – SMIEŠKOVÁ, Elena – TIBENSKÁ, Eva – URBANČOK, Milan. *Krátky slovník slovenského jazyka* [The Concise Dictionary of Slovak Language]. Red. J. Kačala, M. Pisárčiková, M. Považaj. 4. dopl. a upr. vyd. Bratislava: Veda 2003. 985 s. ISBN 80-224-0750-X. **[547 citations]**
2. BALÁŽOVÁ, Ľubica – BUZÁSSYOVÁ, Klára – ČIERNA, Mária – HOLIČOVÁ, Bronislava – JANOČKOVÁ, Nicol – ORAVCOVÁ, Adriana – ORAVCOVÁ, Anna – PETRUFOVÁ, Magdaléna – PORUBSKÁ, Emília – ŠEBESTOVÁ, Anna – ŠUFLIARSKA, Alexandra – ZAMBOROVÁ, Marta. *Slovník súčasného slovenského jazyka (A – G)* [Dictionary of Contemporary Slovak Language (A – G)]. Ed. K. Buzássyová, A. Jarošová. Bratislava: Veda, vydavateľstvo SAV 2006. 1134 s. ISBN 80-224-0932-4. **[398 citations]**
3. KRÁLIK, Ľubor. *Stručný etymologický slovník slovenčiny* [The Concise Etymological Dictionary of Slovak]. Rec. I. Janyšková, P. Žigo. Bratislava: Veda 2015. 704 s. ISBN 978-80-224-1493-7. **[350 citations]**
4. FERENČIKOVÁ, Adriana – HABOVŠTIK, Anton – LIPTÁK, Štefan – MALÍKOVÁ, Oľga – NIŽNANSKÝ, Jozef R. – RIPKA, Ivor – ŠIKROVÁ, Jarmila. *Slovník slovenských nárečí. I. A – K* [Dictionary of Slovak Dialects]. Red. I. Ripka et al. Bratislava: Veda 1994. 936 s. ISBN 80-224-0183-8. **[335 citations]**
5. *Morfológia slovenského jazyka* [Morphology of the Slovak Language]. Red. Jozef Ružička. Bratislava: Vydavateľstvo SAV, 1966. 895 s. **[308 citations]**
6. DVONČ, Ladislav – DORUĽA, Ján – GENZOR, Jozef – HORECKÝ, Ján – KAČALA, Ján – KOČIŠ, František – MASÁR, Ivan – POVAŽAJ, Matej. *Pravidlá slovenského pravopisu*. [The Rules of Slovak Orthography]. Red. M. Považaj. 3. upr. a dopl. vyd. Bratislava: Veda, 2000. 590 s. ISBN 80-224-0655-4. **[286 citations]**
7. HORECKÝ, Ján – BUZÁSSYOVÁ, Klára – BOSÁK, Ján. *Dynamika slovnej zásoby súčasnej slovenčiny* [Dynamics of Lexicon of Contemporary Slovak]. Bratislava: Veda 1989. 429 s. ISBN 80-2240-047-5. **[284 citations]**
8. ALBRECHTOVÁ, Viola – BUDOVIČOVÁ, Viera – HAYEKOVÁ, Matilda – JAKUBIČKOVÁ, Lea – SCHNEK, Richard – SMIEŠKOVÁ, Elena – ŠALINGOVÁ, Mária – URBANČOK, Milan. *Slovník slovenského jazyka. I. A – K*. [Dictionary of Slovak Language]. Red. Štefan Peciar. Bratislava: Vydavateľstvo SAV 1959. 815 s. **[257 citations]**
9. AVRAMOVOVÁ, Miroslava – BALÁŽOVÁ, Ľubica – ČIERNA, Mária – HAŠANOVÁ, Jana – CHOCHOLOVÁ, Bronislava – JANOČKOVÁ, Nicol – JAROŠOVÁ, Alexandra –

KONČALOVÁ, Jana – KOVÁČOVÁ, Mária – OCETOVÁ, Lenka – ORAVCOVÁ, Adriana – ORAVCOVÁ, Anna – PETRUFOVÁ, Magdaléna – PORUBSKÁ, Emília – ŠEBESTOVÁ, Anna – ŠUFLIARSKA, Alexandra – ZVONČEKOVÁ, Dáša. *Slovník súčasného slovenského jazyka (H – L)* [Dictionary of Contemporary Slovak Language (H – L)]. Ved. red. A. Jarošová, K. Buzássyová. Rec. L. Králik, J. Mlacek, S. Ondrejovič, M. Sokolová. Bratislava: Veda 2011. 1087 s. ISBN 978-80-224-1172-1. **[245 citations]**

10. BUDOVIČOVÁ, Viera – BUZÁSSYOVÁ, Klára – HABOVŠTIAKOVÁ, Katarína – HAYEKOVÁ, Matilda – KAJANOVÁ, Oľga – KOČIŠ, František – MARSINOVÁ, Marta – MICHALUS, Štefan – PECIAR, Štefan – PIKOROVÁ, Jarmila – PISÁRČIKOVÁ, Mária – SLIVKOVÁ, Viera – SMIEŠKOVÁ, Elena – ŠALINGOVÁ, Viera – VRAGAŠ, Štefan – PECIAR, Štefan. *Slovník slovenského jazyka* [Dictionary of Slovak Language]. III. P – R. Štefan Peciar a kol. 1. vyd. Bratislava: Vydavateľstvo SAV, 1963. 912 s. **[230 citations]**

2.2.4. List of 10 most-cited publications published during the evaluation period (2016 – 2021) with the address of the Institute, with number of citations obtained until 2021

1. DOLNÍK, Juraj. *Jazyk v sociálnej kultúre* [Language in Social Culture]. Rec. S. Ondrejovič, O. Orgoňová. Bratislava: Veda 2017. 248 s. ISBN 978-80-224-1584-2. **[32 citations]**
2. BENKO, Vladimír – ZAKHAROV, V. P. Very large Russian corpora: new opportunities and new challenges. Rec. A. V. Bajtin, I. M. Boguslavskij. In: *Kompjuternaja lingvistika i intellektual'nyje tehnologii*, 2016, p. 79-93. ISSN 2221-7932. **[28 citations]**
3. VALENTOVÁ, Iveta. *Lexika slovenských terénnych názvov (Konceptia lexikografického spracovania)* [Lexicon of Slovak Anonymyms (Concept of Lexicographical Treatment)]. Rec. M. Harvalík, P. Žigo. Bratislava: Slovak Academic Press, 2018. 220 s. ISBN 978-80-89607-69-3. **[17 citations]**
4. BENKO, Vladimír. Two Years of Aranea: Increasing Counts and Tuning the Pipeline. Rec. Scientific committee members of the LREC 2016. In: *Proceedings of the Ninth International Conference on Language Resources and Evaluation (LREC 2016)*. Portorož: European Language Resources Association (ELRA), 2016, s. 4245 – 4248. ISBN 978-2-9517408-9-1. **[13 citations]**
5. *Slovenský národný korpus. Texty, anotácie, vyhľadávania* [Slovak National Corpus: Texts, Annotations and Searches]. Red. M. Šimková, rec. J. Kesselová, M. Mošaťová. Bratislava: Mikula 2017. 167 s. ISBN 978-80-88814-98-6. **[9 citations]**
6. BENKO, Vladimír. *Araneum Bohemicum III Maximum (Czech, 17.04)*. Bratislava: Univerzita Komenského, 2018. Nestr. Available at: http://unesco.uniba.sk/aranea/run.cgi/corp_info?corpname=AranBohe_a [17/06/2018]. **[6 citations]**
7. JAROŠOVÁ, Alexandra. Prítomnosť češtiny na Slovensku a aspekt spisovnosti [The presence of Czech in Slovakia and the aspect of standardness]. In: *Jazykovedný časopis*, 2016, roč. 67, č. 1, s. 5-30. (2015: 0.111 - SJR, Q3 - SJR). (2016 - Scopus). ISSN 0021-5597. Available at: <https://doi.org/10.1515/jazcas-2016-0008>. **[5 citations]**
8. GARABÍK, Radovan – KARČOVÁ, Agáta – ŠIMKOVÁ, Mária – BRÍDA, Radoslav – ŽÁKOVÁ, Adriána. *Skloňovanie podstatných mien v slovenčine s korpusovými príkladmi* [Declension of Nouns in Slovak with Corpus Examples]. Red. R. Garabík, A.

Karčová, M. Šimková. Rec. J. Kesselová, J. Pekarovičová. Bratislava: Jazykovedný ústav Ľ. Štúra SAV – Mikula, s. r. o., 2016. 654 s. ISBN 978-80-88814-91-7. [5 citations]

9. GARABÍK, Radovan – KMEŤOVÁ, Beáta – ŠIMKOVÁ, Mária – ZUMRÍK, Miroslav. *Frekvenčný slovník slovenčiny na báze Slovenského národného korpusu* [Frequency Dictionary of Slovak Based on the Slovak National Corpus]. Bratislava: Veda 2017. 562 s. ISBN 978-80-224-1630-6. [5 citations]
10. SATINSKÁ, Lucia. Zneviditeľnenie a zjemnenie: reflexie verejného používania maďarčiny u bratislavských viacjazyčných trojgeneračných rodín [Getting Invisible and Refined: Reflections on the Public Use of Hungarian in Multilingual Three-Generation Families in Bratislava]. In: *Slovenský národopis*, 2016, roč. 64, č. 1, s. 32-46. (2016 - ESCI WoS, MLA, CEEOL, Ulrich's, Willings, CEJSH, EBSCO, DOAJ, ERIH PLUS, ProQuest). ISSN 1335-1303. Available at: <https://uesa.sav.sk/files/slovensky_narodopis_2016_1_satinska_zneviditelnenie_a_zjemnenie.pdf>. [5 citations]

2.2.5. List of most-cited authors from the Institute (at most 10 % of average FTE researchers per year) and their number of citations in the assessment period (2015 – 2020). The cited papers must bear the address of the institute

1. Juraj Dolník [891 citations]
2. Alexandra Jarošová [698 citations]
3. Ľubor Králik [400 citations]
4. Vladimír Benko [258 citations]
5. Iveta Valentová [180 citations]

2.2.6. List of most-cited authors from the Institute (at most 10 % of average FTE researchers per year) and their number of citations obtained until 2020. The cited papers must bear the address of the Institute

1. Milan Majtán [2 140 citations]
2. Klára Buzássyová [2 056 citations]
3. Alexandra Jarošová [1 244 citations]
4. Ján Bosák [1 163 citations]
5. Ján Horecký [1 010 citations]

2.2.7. List of most-cited authors from the Institute (at most 10 % of average FTE researchers per year) and their number of citations obtained until 2021 of their papers published during the evaluation period (2016 – 2021). The cited papers must bear the address of the Institute.

1. Vladimír Benko [65 citations]
2. Iveta Valentová [37 citations]
3. Juraj Dolník [37 citations]
4. Mária Šimková [31 citations]
5. Radovan Garabík [23 citations]

2.3. Research status of the institute in international and national context

• International/European position of the institute

2.3.1. List of the most important research activities demonstrating the international relevance of the research performed by the institute, incl. major projects (details of projects should be supplied under Indicator 2.4). Max. 10 items for institute with less than 50 average FTE researchers per year, max. 20 for institutes with 50 – 100 average FTE researchers per year and so on.

In an international scientific context, the Institute between 2016 and 2021 a) participated in 18 international projects including EU schemes, H2020 and COST, within the International Committee of Slavists and in bilateral projects (for details cf. 2.4.1); b) engaged in scientific activities accomplished with committees of the International Committee of Slavists and projects of *Slovanský jazykový atlas* [*Slavic Linguistic Atlas*]; c) engaged in activities in international organisations and scientific societies (for details cf. 3.1.4) and d) organised and participated in international scientific events as well as publishing articles and papers (for details cf. 2.3.2; 2.3.3; 2.1.2).

The most significant of the research activities mentioned above internationally were:

a) Projects:

1. **PARSEME – Parsing and Multi-word Expressions. Towards Linguistic Precision and Computational Efficiency in NLP (COST)** – focuses on improving linguistic representativeness, precision and computational efficiency of Natural Language Processing (NLP) applications,

2. **Nexus Linguarum – European network for Web-centred linguistic data science (COST)** – aims to promote synergies across Europe between linguists, computer scientists, terminologists, and other stakeholders in industry and society, in order to investigate and extend the area of linguistic data science,

3. **LITHME – Language In The Human-Machine Era (COST)** – aims to facilitate longer term dialogue between linguists and technology developers,

4. **MARCELL – Multilingual Resources for CEF.AT in the legal domain** – aims to contribute to automatic translation in legal domain (laws, decrees, regulations) in seven languages,

5. **European Language Equality** – focuses on a strategic research, innovation and implementation agenda as well as a roadmap for achieving full digital language equality in Europe by 2030,

6. **Curlicat – Curated Multilingual Language Resources for CEF.AT** – aims to compile curated datasets in seven languages targeted by the consortium in domains of relevance to the European Digital Service Infrastructures (DSIs) with a view to enhance the Automated Translation,

7. **OLA – Slavic Linguistic Atlas** – concentrates on the linguistic differentiation of Slavic dialects and uses geo-linguistic methods to process them in atlas volumes that focus on specific structural phenomena with an emphasis on the historical and linguistic aspect.

b) Commissions of the International Committee of Slavists

8. Membership and participation in research activities in Commissions of International Committee of Slavists:

– Slovak Committee of Slavists (Ľ. Králik),

– Commission of Grammatical Structure of the Slavic Languages (P. Žigo),

– Commission for the Study of Slavic Literary Language (S. Ondrejovič),

– Etymological Commission (Ľ. Králik),

– Commission on Slavic Linguistic Atlas (Ľ. Králik, A. Ferenčíková, P. Žigo, M. Chochol),

– Commission on Word-Formation (N. Janočková, M. Ološtiak),

– Commission for Lexicology and Lexicography (A. Jarošová),

– Commission of Slavic Onomastics (M. Harvalík, I. Valentová),

– Commission on Linguistic Bibliography (J. Behýlová, J. Wachtarczyková),

– Commission for Terminology (J. Levická).

c) International organizations and scientific societies

9. European Federation of National Institutions for Language (EFNIL, <http://efnil.org/>)

– focuses on language policy of European states (members from the Institute were S. Ondrejovič and A. Gál, later on J. Levická, J. Choleva). Membership in the Federation comprises also participation in its projects *European Language Monitor*, *European Languages and their Intelligibility in the Public Space* and *Language Legislation Europe*). J. Choleva was also a member of the EFNIL Executive Committee.

10. The International Council of Onomastic Sciences (ICOS, <https://icosweb.net/>) – the aim of the Council is the advancement, representation and co-ordination of proper name research on an international level and in an interdisciplinary context. The membership includes participation in its projects focused on the processing of international onomastic terminology and onomastic bibliography. Membership of the employees in ICOS Terminology Group (M. Harvalík, I. Valentová) and ICOS Bibliography Group (M. Harvalík).

2.3.2. List of international conferences (co)organised by the institute

1. *Prechýľovanie: áno – nie? [Feminine Forms of Surnames: Yes or No?]*, Bratislava, February 2, 2016; 35 participants
2. *(Socio)lingvistika – perspektívy, limity a mýty [(Socio)linguistics – Perspectives, Limits and Myths]*. Smolenice, April 11–13, 2016; 73 participants
3. *XXV. kolokvium mladých jazykovedcov [XXV Colloquium of Young Linguists]*, Častá-Papiernička, November 23–25, 2016; 53 participants
4. *Konvergenzie a divergencie v propriálnej sfére. XX. slovenská onomastická konferencia [Convergences and Divergences in the Proprial Sphere. XXth Slovak Onomastic Conference]*, Banská Bystrica, June 26–28, 2017; 62 participants
5. *XXVI. kolokvium mladých jazykovedcov [XXVI Colloquium of Young Linguists]*, Prešov, September 6–8, 2017; 28 participants
6. *Pracovné stretnutie Medzinárodnej komisie a Medzinárodnej pracovnej skupiny Slovanského jazykového atlasu [Working Meeting of the International Commission and the International Working Group on Slavic Linguistic Atlas]*, Častá-Papiernička, October 8–15, 2017; 55 participants
7. *4. pracovná porada nielen o slovenskej onomastickej terminológii [4th Working Meeting not Only on Slovak Onomastic Terminology]*, Bratislava, October 11, 2017; 11 participants
8. *SLOVKO 2017. Počítačové spracovanie prirodzeného jazyka, korpusová lingvistika, terminológia, e-terminológia [SLOVKO 2017. Natural Language Processing, Corpus Linguistics, Terminology, e-Terminology]*, Bratislava, October 25–27, 2017; 62 participants
9. *Druhý slovenský workshop ELRC (European Language Resource Coordination) [The second Slovak workshop ELRC (European Language Resource Coordination)]*, Bratislava, May 30, 2018; 59 participants
10. *XXVII. kolokvium mladých jazykovedcov [XXVII Colloquium of Young Linguists]*, Banská Bystrica, 34 účastníkov, November 21–23, 2018; 34 participants
11. *ARANEIA 2018 Webové korpusy ako dostupný nástroj jazykového vzdelávania [ARANEIA 2018: Web Corpora as a Language Training Tool]*, Bratislava, November 23–24, 2018; 40 participants
12. *Zasadnutie predsedníctva Slovenskej onomastickej komisie a 5. pracovná porada o onomastickej terminológii [Meeting of the Board of the Slovak Onomastic Commission and 5th Working Meeting on Onomastic Terminology]*, Bratislava, November 29, 2018; 10 participants
13. *Pomenúvanie ako odraz komunikačných potrieb [Denomination as a Reflection of Communication Needs]*, Bratislava, December 4, 2018; 58 participants
14. *Zasadnutie predsedníctva Slovenskej onomastickej komisie a 6. pracovná porada o onomastickej terminológii [Meeting of the Board of the Slovak Onomastic Commission and 6th Working Meeting on Onomastic Terminology]*, Bratislava, July 4, 2019; 9 participants

15. *Vlastné mená v interdisciplinárnom kontexte. XXI. slovenská onomastická konferencia* [*Proper Names in an Interdisciplinary Context. XXI Slovak Onomastic Conference*], Nitra, September 10–12, 2019; 64 participants
16. *SLOVKO 2019. Počítačové spracovanie prirodzeného jazyka, korpusová lingvistika, dynamika jazyka* [*SLOVKO 2019. Natural Language Processing, Corpus Linguistics, Language Dynamics and Change*], Bratislava, October 23–25, 2019; 77 participants
17. *XXVIII. kolokvium mladých jazykovedcov* [*XXVIII Colloquium of Young Linguists*], Nitra, November 20–22, 2019; 50 participants
18. *Slovanské nárečia v čase a priestore* [*Slavic Dialects in Time and Space*], Bratislava, February 5, 2020; 57 participants
19. *Aranea 2020. Webové korpusy ako nástroj vo výskume a vo vyučovaní* [*ARANEA 2020. Web Corpora as a Research and Education Tool*], Bratislava, November 6–7, 2020; 50 participants
20. *XXIX. kolokvium mladých jazykovedcov* [*XXIX Colloquium of Young Linguists*], Trnava, November 25–27, 2020; 32 participants
21. *Tretí slovenský workshop ELRC (European Language Resource Coordination)* [*The third Slovak workshop ELRC (European Language Resource Coordination)*], Bratislava, May 25, 2021; 54 participants
22. *27th International Congress of Onomastic Sciences* Onomastics in interaction with other branches of science. Kraków (Poland), August 22–27, 2021; 249 participants
23. *Slovanská slovo tvorba: synchrónia, inovácie, neologizácia* [*Slavic Word-Formation: Synchrony, Innovations, Neologisation*], Prešov, September 7–10, 2021; 39 participants
24. *Workshop on Deep Learning and Neural Approaches for Linguistic Data*, Skopje (Northern Macedonia), September 30, 2021; 35 participants
25. *SLOVKO 2021. Počítačové spracovanie prirodzeného jazyka, korpusová lingvistika a interdisciplinárnosť* [*SLOVKO 2021. Natural Language Processing, Corpus Linguistics and Interdisciplinarity*], Bratislava, October 13–15, 2021; 61 participants
26. *Spoločný český a slovenský workshop projektu European Language Grid* [*Joint Czech And Slovak Workshop of the European Language Grid Projects*], Bratislava, Prague (Czech Republic), Berlin (Germany), October 18, 2021; 50 participants
27. *Prostriedky tvorenia sociálnej reality: jazyk – diskriminácia – spoločnosť* [*Instruments for Creating Social Reality: Language – Discrimination – Society*], Bratislava, October 21–22, 2021; 37 participants
28. *XXX. kolokvium mladých jazykovedcov* [*XXX Colloquium of Young Linguists*], Bratislava, November 3–5, 2021; 45 participants

Conferences canceled due to pandemic situation:

29. *Teória vlastného mena Vincenta Blanára a súčasná všeobecná teória onomastiky* [*Theory of Proper Names by Vincent Blanár and Current General Theory of Onomastics*], Bratislava, November 5, 2020
30. *Povaha jazyka a jej poznávanie* [*The Character of Language and its Recognition*], Smolenice, June 28–30, 2021

2.3.3. List of edited proceedings from international scientific conferences

1. *Prechýľovanie: áno – nie? Jazykovedné štúdie XXXIII. [Feminine Forms of Surnames: Yes or No? Jazykovedné štúdie XXXIII]*. Ed. L. Molnár Satinská, I. Valentová. Rev. M. Majtán, S. Ondrejovič. Bratislava: Jazykovedný ústav Ľudovíta Štúra SAV – Veda, 2016. 158 s. ISBN 978-80-224-1550-7.
2. *Fenómén Ďurovič [The Phenomenon Ďurovič]*. Philologica, LXXV. Ed. S. Ondrejovič, J. Behýlová. Rev. J. Dolník, M. Kusá. Bratislava: Univerzita Komenského, 2016. 126 s. Philologica, LXXV. ISBN 978-80-223-4183-7.
3. *Jazyk a jazykoveda v pohybe II: zborník z medzinárodnej konferencie (Socio)lingvistika – perspektívy, limity a mýty [Language and Linguistics in Motion II: proceedings from the international conference ((Socio)linguistics – Perspectives, Limits and Myths)]* (Smolenice

11. – 13. 4. 2016). Ed. B. Chocholová, L. Molnár Satinská, G. Múcsková. Rev. J. Klincková, J. Mlacek, J. Vaňko. Bratislava: Veda 2017. 575 s. ISBN 978- 80-224-1605-4.
4. *Jazykovedné dielo Ľudovíta Štúra v historických a súčasných interpretáciách. Zborník príspevkov z vedeckej konferencie k 200. výročiu narodenia Ľudovíta Štúra [The Linguistic Work of Ľudovít Štúr in Historical and Contemporary Interpretations. Proceedings from the scientific conference held on the occasion of the 200th anniversary of Ľudovít Štúr]*. Ed. S. Ondrejovič, J. Kmiťová. Rev. M. Dudok, M. Ološtiak. Bratislava: Veda, 2017. 207 s. ISBN 978-80-224-1565-1.
5. *Jazyk a jazykoveda v súvislostiach. Zborník príspevkov z medzinárodnej vedeckej konferencie Jazyk a jazykoveda v súvislostiach [Language and Linguistics in the Context. Proceedings from the international scientific conference Language and Linguistics in the Context]*. Ed. O. Orgoňová, A. Bohunická, G. Múcsková, K. Muziková, Z. Popovičová-Sedláčková. Rev. I. Lanstyák, M. Pančíková. Bratislava: Univerzita Komenského v Bratislave 2017. 652 s. ISBN 978-80-223-4422-7.
6. *Varia XXV: zborník príspevkov z XXV. kolokvia mladých jazykovedcov (Častá-Papiernička 23. – 25. 11. 2016) [Varia XXV: proceedings from the XXV Colloquium of Young Linguists (Častá-Papiernička November 23–25, 2016)]*. Ed. K. Gajdošová. Rev. Ľ. Kralčák, J. Krško, S. Ondrejovič. Bratislava: Slovenská jazykovedná spoločnosť pri Jazykovednom ústave Ľudovíta Štúra SAV, 2017. 439 s. ISBN 978-80-971690-2-2.
7. *SLOVKO 2017. Natural Language Processing, Corpus Linguistics, terminology, e-terminology* (October 25–27, 2017). Ed. K. Gajdošová, A. Žáková. Jazykovedný časopis, 2017, roč. 68, č. 2, 431 s.
8. *Fenomén Ďurovič [The Phenomenon Ďurovič]*. Philologica, LXXV. Ed. S. Ondrejovič, J. Behýlová. Rev. J. Dolník, M. Kusá. Bratislava: Univerzita Komenského 2018. 162 s., 2. dopl. vyd. ISBN 978-80-223-4554-5.
9. *Jazyk a jazykoveda v súvislostiach [Language and Linguistics in the Context]* (Bratislava 11. – 12. 9. 2017). Ed. J. Dolník. Jazykovedný časopis, 2018, roč. 69, č. 1, 120 s.
10. *Pomenúvanie ako odraz komunikačných potrieb (slovotvorba, lexikológia a lexikografia, lexikálna a gramatická sémantika slov) [Denomination as a Reflection of Communication Needs (Word-formation, Lexicology and Lexicography, Lexical and Grammar Semantics of Lexis)]* (Bratislava, 4. 12. 2018). Ed. D. Guričanová, M. Kapustová, M. Kopecká. Jazykovedný časopis, 2018, roč. 69, č. 3, 625 s.
11. *Konvergenzie a divergenzie v propriálnej sfére. 20. slovenská onomastická konferencia. Zborník referátov [Convergences and Divergences in the Proprial Sphere. XX Slovak Onomastic Conference. Proceedings]*. Ed. A. Chomová, J. Krško, I. Valentová. Rev. A. Gałkowski, M. Majtán, P. Žigo. Bratislava: Veda 2019. 539 s. ISBN 978-80-224-1732-7.
12. *SLOVKO 2019. NLP, Corpus Linguistics and Interdisciplinarity* (October 23–25, 2019). Ed. J. Levická, M. Zumrík. Jazykovedný časopis, roč. 70, 2019, č. 2, 497 s.
13. *Varia XXIV. Zborník plných príspevkov z XXIV. kolokvia mladých jazykovedcov [Varia XXIV. Proceedings of full papers from the XXIV colloquium of young linguists]*. (Praha 9. – 11. 9. 2015). Ed. M. Simeunovich-Skvortsova, K. Gajdošová, V. Suchá. Praha: Univerzita Karlova, Filozofická fakulta 2019. 743 s. ISBN 978-80-7308-757-9.
14. *Varia XXIII. Zborník príspevkov z XXIII. kolokvia mladých jazykovedcov [Varia XXIII. Proceedings of papers from the XXIII colloquium of young linguists]* (Modra-Harmónia 20. – 22. 11. 2013). Ed. K. Gajdošová, P. Gregorík. Bratislava: Slovenská jazykovedná spoločnosť pri Jazykovednom ústave Ľudovíta Štúra SAV – Katedra slovenského jazyka a literatúry Filozofickej fakulty Univerzity sv. Cyrila a Metoda v Trnave 2020. 390 s.
15. *SLOVKO 2021. NLP, corpus Linguistics and Interdisciplinarity* (October 13–15, 2021). Ed. K. Bobeková, L. Gibľáková, J. Levická, M. Zumrík. Jazykovedný časopis, roč. 72, č. 2, 718 s.

2.3.4. List of journals edited/published by the institute and information on their indexing in WOS, SCOPUS, other database or no database, incl. impact factor and other metrics of journals in each year of the assessment period

Jazykovedný časopis (Journal of Linguistics) – ISSN 0021-5597 (print), 1338-4287 (online) – presents articles of Slovak and foreign scholars focused on general and theoretical questions of linguistics and its methodology including contemporary general, structural, functional, pragmalinguistic and cognitive linguistics, comparative works and also studies from other disciplines of the humanities dealing with philosophical or cultural aspects of language. The journal is published three times a year. All submitted articles are double-blind peer reviewed by at least two reviewers. In addition to Slovak, it also publishes papers in English, German and Slavic languages.

In 2016, the number of issues per year was expanded from two to three, with the intention of producing at least one issue each year to a particular area of linguistics and the latest results coming from it. This thematic focus is often associated with a major figure in Slovak linguistics. The editors want to draw attention to theoretical and methodological issues while motivating local authors to develop them further.

It is published in the Open Access in the Publishing House de Gruyter – Sciendo (<https://www.sciendo.com/journal/JAZCAS>) under the Creative Commons non-commercial license and currently it is indexed in 39 databases:

Baidu Scholar, Cabell's Whitelist, CEJSH (The Central European Journal of Social Sciences and Humanities), Central and Eastern European Online Library (CEEOL), CNKI Scholar (China National Knowledge Infrastructure), CNPIEC – cnpLINKer, Dimensions, EBSCO (relevant databases), EBSCO Discovery Service, ERIH PLUS (European Reference Index for the Humanities and Social Sciences), Genamics JournalSeek, Google Scholar, IBR (International Bibliography of Reviews of Scholarly Literature in the Humanities and Social Sciences), IBZ (International Bibliography of Periodical Literature in the Humanities and Social Sciences), International Medieval Bibliography, J-Gate, JournalGuide, JournalTOCs, KESLI-NDSL (Korean National Discovery for Science Leaders), Linguistic Bibliography, Linguistics Abstracts Online, Microsoft Academic, MLA International Bibliography, MyScienceWork, Naver Academic, Naviga (Softweco), Primo Central (ExLibris), ProQuest (relevant databases), Publons, QOAM (Quality Open Access Market), ReadCube, SCImago (SJR), SCOPUS, Semantic Scholar, Sherpa/RoMEO, Summon (ProQuest), TDNet, Ulrich's Periodicals Directory/ulrichsweb, WanFang Data, WorldCat (OCLC).

Impact factor and other metrics: The journal has not identified the Impact factor. Its relevance is reflected in CiteScore, SCImago Journal Rank (SJR), Source Normalized Impact per Paper (SNIP) and Quartile (Q).

Results of metrics:

2016: CiteScore: 0.17; SCImago Journal Rank (SJR): 0.101; Source Normalized Impact per Paper (SNIP): 0.875; Quartile Q2

2017: CiteScore: 0.03; SCImago Journal Rank (SJR): 0.101; Source Normalized Impact per Paper (SNIP): 0.203; Quartile Q4

2018: CiteScore: 0,24; SCImago Journal Rank (SJR): 0,122; Source Normalized Impact per Paper (SNIP): 0,476; Quartile Q3

2019: CiteScore: 0,2; SCImago Journal Rank (SJR): 0,197; Source Normalized Impact per Paper (SNIP): 0,633; Quartile Q2

2020: CiteScore: 0,4; SCImago Journal Rank (SJR): 0,186; Source Normalized Impact per Paper (SNIP): 0,876; Quartile Q2

2021: CiteScore: 0,3; SCImago Journal Rank (SJR): 0,191; Source Normalized Impact per Paper (SNIP): 0,923; Quartile Q2

Currently, the H-index of the journal is 4.

All issues of the journal including contents for each issue can be found at the Institute's website

<https://www.juls.savba.sk/ediela/jc/>.

- **National position of the institute**

- **2.3.5. List of selected activities of national importance**

The nature of linguistics as a discipline predominately locally rooted implies that the dominant impact is particularly national, in this case Slovak.

The Institute's position in a national context consists of a) supporting scientific research in the Slovak language; b) integrating some of the scientific events and activities into the field; c) engaging in activities for public authorities and government institutions; and d) making an impact in the professional language use and among users of the language.

a) Language “laboratory”. Results from the Institute's basic research and some parts of its infrastructure also become sources of linguistic data – launch points – for further linguistic research at university departments and research institutions both locally and internationally that concentrates on the structure and use of the Slovak language and for sociolinguistic, cognitive and pragmatic reflection of how it works. In this respect, the most important results and data sources are those below:

1. Slovak National Corpus (cf. 2.4.6) – <https://korpus.sk/> – currently offers both professionals and the general public 106 corpora and sub-corpora that can be the start of almost all linguistic research, as evidenced by most new linguistic projects that have been submitted by other research institutions already mentioning the use of corpus databases in their methodology and intentions. It also serves as an important tool for teachers, editors, journalists and translators.

2. Dictionary portal (cf. 2.6.1/1.) – <https://slovník.juls.savba.sk/> – puts a total of 20 contemporary and historical lexicographical works and databases under one roof, supported by federated search to make it easier for other researchers to collect data on the state and development of Slovak lexis, grammar and word formation. Testimony to its significance in scientific research can be seen in the large number of citations of specific dictionaries (cf. 2.2) that directly refer to their online availability.

3. Terminology portal (<https://terminologickyportal.sk/>) includes the Slovak Terminology Database, which contains more than 16,000 terms from 23 disciplines (https://terminologickyportal.sk/wiki/Hlavná_stránka) and other major sources for further research into terminologies (cf. 2.1.5; 2.6.1/3.).

4. Web Counselling (<https://jazykovaporadna.sme.sk/>) – from a database of questions and answers to various language problems about which users have contacted the L'ŠIL SAS language counselling service. It currently contains 7,000 units. It is aimed primarily at language users and professional language practitioners, although it is an important tool for experts concerned with language dynamics and corpus planning (cf. 2.6.1/2.).

5. The institute owns and has been further developing a unique **collection of archives** (composed of traditional dictionary card files, dialect texts and files of completed dialectological questionnaires, collection of manuscripts of linguistic maps, photocopies of historical language documents and a phonotheque of dialect recordings, among other things). The collection is gradually being digitised according to personal and financial possibilities. They are available also for both external researchers and students to browse.

6. Library – has besides more than 30,000 traditional “hard copies”, an increase of 2,681 from 2016 to 2021, and a database of currently 157 electronically accessible linguistic works that is constantly expanding. Another 179 publications are accessible at the institutional repository the Slovak Academy of Sciences operates.

7. Bibliography of Slovak linguists – continuously monitored by the Institute, which processes local linguistic production and publishes a synthetic bibliography of Slovak linguists. In the assessment period, the 7th volume of *Súborná personálna bibliografia slovenských slovakistov a slavistov 2011 – 2015* [*Slovak linguists (complete personal bibliography of Slovak slovakists and slavists 2011 – 2015)*] was also published, edited by Júlia Behýlová, 2018, 564 pp).

b) Integration of national linguistic activities and life

8. Slovak Linguistic Society at the Ľudovít Štúr Institute of Linguistics (<https://www.juls.savba.sk/sjs.html>) is a voluntary association of scientists and professionals working in the field of linguistic Slovak studies and related scientific disciplines inside and outside Slovakia. The society was founded in 1941 and currently has 134 members. Besides the ĽŠIL SAS, there are six sections located in Slovak studies departments at universities in Trnava, Nitra, Ružomberok, Banská Bystrica, Prešov and Košice.

The activities of the Slovak Linguistic Society include:

- Assisting the Institute in the organisation of scientific conferences (cf. 2.3.2; 2.3.11) and also in events organised by other Slovak studies departments.
- Independently organising the Kolokvium mladých jazykovedcov [Colloquium of Young Linguists] for young and emerging researchers, an international conference held six times between 2016 and 2021 whose collected papers are published in series *Varia*. There were eight volumes in total issued for the period that is covered in this report.
- Organising lectures by major local and international experts. There have been 102 lectures in the period from 2016 to 2021, of which nine were given by researchers from the ĽŠIL SAS.
- Exchanging scientific information and networking including through its own website, whose link can be found at the home page of the Institute's website.

c) Activities for public authorities and government institutions.

9. Institute researchers were actively involved during the assessment period in advisory bodies and committees of the Slovak Government, ministries, and the European Union. In addition, researchers were actively involved in terminology and nomenclature committees within ministries of the SR (see 2.6.2/A).

d) Impact on professional language practitioners and language users

10. ĽŠIL SAS has traditionally been associated with **language counselling, expertise and lectures** among both professionals and the general public (cf. 2.6.1, 2.9). These activities are an important part of the Institution's social impact and play a major role in addressing language issues and cultivating the standard language. The general language counselling is available to all stakeholders **over the telephone, by email and on the web at <https://jazykovaporadna.sme.sk>**.

2.3.6 List of journals (published only in the Slovak language) edited/published by the institute and information on their indexing in WOS, SCOPUS, other database or no database, incl. impact factor and other metrics of journals in each year of the assessment period

Slovenská reč (Slovak Language), ISSN 0037-6981 (print), 1338-4279 (online), is a scientific journal devoted to the research of the Slovak language and it is the oldest linguistic journal aimed at the Slovak studies (it was first published in 1932). It is the basic journal for the research of the Slovak language. The journal presents research dealing with the contemporary language (with issues of orthography, morphology, word-formation and syntax), as well as with the development of the language, with onomastics, dialectology, sociolinguistics, language contacts and phraseology. Space is also devoted to specialized discussions. It also marks the anniversary birthdays of eminent Slovak linguists and presents the bibliography of their works. It provides information about important linguistic events and, in the form of review articles also about the current linguistic production. The journal is published three times a year. All submitted articles are double-blind peer reviewed by at least two reviewers. The journal publishes papers in Slovak (exceptionally also in Czech). Currently it is indexed in the databases:

Scopus (Elsevier), Bibliographic Database of World Slavic Linguistics Publications (iSybislaw), EBSCO Discovery Service, European Reference Index for the Humanities and Social Sciences (ERIH PLUS), Linguistic Bibliography Online (Brill), Linguistics & Language Behavior Abstract – LLBA (ProQuest), Naviga (Softweco), Summon (Serials Solutions/ProQuest), The Central European Journal of Social Sciences and Humanities (CEJSH), Central and Eastern European Online Library (CEEOL), WorldCat (OCLC). SCImago Journal Rank (SJR).

Impact factor and other metrics: The journal has not identified the Impact factor. Its relevance is reflected in CiteScore, SCImago Journal Rank (SJR), Source Normalized Impact per Paper (SNIP) and Quartile (Q).

Results of metrics:

2016: CiteScore: 0,2; SCImago Journal Rank (SJR): 0,11; Source Normalized Impact per Paper (SNIP): 0,679; Quartile Q3

2017: CiteScore: 0,2; SCImago Journal Rank (SJR): 0,112; Source Normalized Impact per Paper (SNIP):XXX; Quartile Q3

2018: CiteScore: 0,3; SCImago Journal Rank (SJR): 0,1; Source Normalized Impact per Paper (SNIP): 0,703; Quartile Q4

2019: CiteScore: 0,2; SCImago Journal Rank (SJR): 0,1; Source Normalized Impact per Paper (SNIP): 0,44; Quartile Q4

2020: CiteScore: 0,3; SCImago Journal Rank (SJR): 0,197; Source Normalized Impact per Paper (SNIP): 0,764; Quartile Q2

2021: CiteScore: 0,4; SCImago Journal Rank (SJR): 0,123; Source Normalized Impact per Paper (SNIP): 0,870; Quartile Q3

Currently, the H-index of the journal is 4.

All issues of the journal including contents for each issue can be found at the Institute's website <https://www.juls.savba.sk/ediela/sr/>.

Kultúra slova (Culture of the Word), ISSN 0023-5202 (print) is a peer-reviewed scientific popularisation journal for language culture and terminology. It publishes studies and articles related to current contemporary linguistic research into vocabulary, morphology, syntax, stylistics, orthography and pronunciation, as well as information about Slovak dialects, the history of the Slovak language and onomastics. Papers concerning the establishment of terminology in various fields and on committee-listed terminologies are published regularly. The journal also publishes articles on local and translated fiction, along with professional and educational writing from the perspective of language and the use of linguistic resources. It appears six times a year. All papers submitted to the journal are peer-reviewed. The journal is indexed on the database maintained by the Central and Eastern European Online Library (CEEOL). The journal is published by the L'ŠIL SAS and has been printed and distributed by Vydavateľstvo Matice slovenskej (Matica Slovenská Publishing House) in Martin through an agreement with it since 1993. The magazine has been funded by the Otvorená akadémia (Open Academy) since 2018.

All issues of the journal including contents for each issue can be found at the Institute's website <https://www.juls.savba.sk/ediela/ks/>.

- **Position of individual researchers in the international context**

- 2.3.7. List of invited/keynote presentations at international conferences, as documented by programme or invitation letter**

2016

BENKO, Vladimír: *Informačné technológie v projekte SSSJ [Information Technologies in the SSSJ Project]*. In: International workshop Academic Dictionary of

Contemporary Czech and Software for its Creation or Dictionaries and their Users in the 21st Century. Prague 29. – 30. 11. 2016.

GARABÍK, Radovan: *Dynamický vývoj slovenčiny na základe Slovenského národného korpusu*. [Dynamic Development of Slovak on the Basis of the Slovak National Corpus]. In: International conference KAEST 2016. Modra-Harmónia. 18. – 19. 11. 2016.

CHOCHOLOVÁ, Bronislava: *Opis prác na jednom zväzku Slovníka súčasného slovenského jazyka*. [Description of Work on One Volume of the Dictionary of the Contemporary Slovak Language]. In: International workshop Academic Dictionary of Contemporary Czech and Software for its Creation or Dictionaries and their Users in the 21st Century. Institute for the Czech Language of the Academy of Sciences of Czech Republic]. Prague 29. – 30. 11. 2016.

JAROŠOVÁ, Alexandra: *Kodifikácia v súvislostiach alebo Hľadanie spisovnosti*. [Codification in Context or The Search for Standard Language]. In: Scientific Conference with International Participation Language Ideologies in Multilingual Communities in Central Europe – Slovak and Czech Republic. Faculty of Arts, Comenius University. Bratislava 10. – 11. 5. 2016.

JAROŠOVÁ, Alexandra: *Norma v kontexte spisovnosti a kodifikácie*. [The Norm in Context of Standard Language and Codification]. In: International workshop Academic Dictionary of Contemporary Czech and Software for its Creation or Dictionaries and their Users in the 21st Century. Institute of the Czech Language of the Academy of Sciences of Czech Republic. Prague 29. – 30. 11. 2016.

JAROŠOVÁ, Alexandra: *Premeny slovenčiny v čase alebo Krátka exkurzia s lexikografom*. [Transformations of Slovak in Time or A short Excursion with a Lexicographer]. In: 12th Conference of the Slovak Terminology Network with International Participation, Energetics in Translation. Faculty of Arts, University of Constantine the Philosopher in cooperation with the Slovak Section of the Directorate General for Translation of the European Commission. Nitra 19. 10. 2016.

JAROŠOVÁ, Alexandra: *Slovesá, pri ktorých je slovko „sa“ krátkym tvarom zámena „seba“*. [Verbs in Which the Word "sa" Is a Short Form of the Pronoun "seba"]. In: International Conference, Slavonic Lexicography at the Beginning of the 21st Century. Slavic Institute of the Academy of Sciences of Czech Republic. Prague 20. – 22. 04. 2016.

2017

HARVALÍK, Milan – VALENTOVÁ, Iveta: *Súčasný stav a perspektívy onomastickej terminológie* [The Current State and Perspectives of Onomastic Terminology]. XXVI International Congress of Onomastic Sciences. Debrecen (Hungary), 28. 8. 2017.

2018

BALLEKOVÁ, Katarína: *Rôznorodosť slovenských zemepisných dialektov na Slovensku a v jazykových enklávach vo svete*. [Diversity of Slovak Geographical Dialects in Slovakia and in Linguistic Enclaves in the World] In: Polyglot Gathering, University of Economics in Bratislava. Bratislava 30. 5. – 3. 6. 2018.

BENKO, Vladimír – GARABÍK, Radovan: *Ensemble Tagging of Slovak Web Data*. In: International Conference SlaviCorp. Prague 24. – 26. 9. 2018.

BENKO, Vladimír: *In Praise of Simplicity: Lexicographic Lightweight Markup Language*. In: 18th EURALEX International Congress. Ljubljana (Slovenia) 17. – 21. 7. 2018.

BENKO, Vladimír: *Looking for Parallel Structures in Comparable Corpora* (Plenary lecture). In: International Conference Equivalence in Texts, Dictionaries and Lexical Databases. Opole (Poland) 18. – 19. 10. 2018.

HABIJANEC, Siniša: *Genetická príslušnosť slovenských záhorských nárečí* [Genetic Affiliation of Slovak Dialects from Záhorie]. In: Dialectological Roundtable: Slavic Dialects in the Conditions of the Interethnic Borderlands. Institute of Slavic Studies of the Russian Academy of Sciences, Moscow. 20. – 21. 11. 2018.

HABIJANEC, Siniša: *Východoslovanské prvky v báčskej rusínčine* [East Slavic elements in Báč Ruthenian]. In: International Conference The Slavic World: Language, Literature, Culture. Faculty of Arts of Moscow State University M. V. Lomonosov. Moscow (Russia) 28. – 29. 11. 2018.

KRÁLIK, Ľubor: *Jazyk, kultúra, spoločnosť: o jazykovom stvárnení pojmu „peniaz, minca“ (úvodná plenárna prednáška) [Language, Culture, Society: on the Linguistic Representation of the Notion of "Money, Coin" (introductory plenary lecture)]*. The 9th International Scientific Conference Foreign Languages in Changing Times. Faculty of Applied Languages, University of Economics in Bratislava. Bratislava 9. 11. 2018.

ŠIMKOVÁ, Mária – GAJDOŠOVÁ, Katarína: *Nárečové projekty Slovenského národného korpusu: Korpus nárečí SNK a Archív nárečí SNK [Dialect Projects of the Slovak National Corpus: the SNC Dialect Corpus and the SNC Dialects Archive]*. In: Polyglot Gathering, University of Economics in Bratislava. Bratislava 30. 5. – 3. 6. 2018.

VALENTOVÁ, Iveta: *Anoikonymia v spoločenskom a kultúrnom kontexte [Anoikonymy in a Social and Cultural Context]*. In: 16th International Congress of Slavists. Paper requested by the Commission for Slavic Onomastics at the CSO in the onomastic block. International Committee of Slavists, Faculty of Arts, University of Belgrade. Belgrade (Serbia) 24. 8. 2018.

2019

ONDREJOVIČ Slavomír: *O slovenskom a chorvátskom purizme [On Slovak and Croatian Purism]*. International conference 25th Anniversary of Slovak Studies in Zagreb. Faculty of Arts, University of Zagreb. Zagreb 6. – 7. 12. 2019.

ONDREJOVIČ, Slavomír: *Kodifikácia spisovnej slovenčiny a princíp variantnosti. Zasadnutie Komisie pre slovanské spisovné jazyky pri Medzinárodnom komitáte slavistov [Codification of the Standard Slovak and the Principle of Variation. Meeting of the Commission for Slavic Standard Languages of the International Committee of Slavists]*. Chernivtsi (Ukraine) 18. – 22. 6. 2019.

VRÁBL'OVÁ, Júlia: *Translating Research into Policy – Translating Policy Needs into Research. Language Rules? [Transformácia výskumu na politiku – Transformácia politických potrieb na výskum. Jazykové pravidlá?]*. International Conference Languages, Standards and Linguistic Inequality: Multilingualism and Variation in Education, Law and Citizenship, University in Nottingham. Nottingham (United Kingdom) 15. – 17. 4. 2019

2020 – 2021

HARVALÍK, Milan: *Czech Onomastics and Czech Onomastic School*. In: 27th International Congress of Onomastic Sciences Onomastics in Interaction with Other Disciplines. Institute of Polish Language (Polish Academy of Sciences), Jagiellonian University, Committee on Linguistics, Polish Academy of Sciences, Faculty of Philosophy of Matej Bel University in Banská Bystrica, Ľ. Štúr Institute of Linguistics (Slovak Academy of Sciences) in Bratislava, University in Trnava, Institute of the Czech Language (Czech Academy of Sciences) in Prague. Kraków (Poland) 22. – 27. 8. 2021. [presented on 24. 8. online]

MÚCSKOVÁ, Gabriela: *Revitalization of Slovak Regional Dialects from the Perspective of Perceptual and Folk Dialectology [Revitalizácia slovenských regionálnych nárečí z pohľadu percepčnej a ľudovej dialektológie]*. In: Language and Culture. University of Rijeka, Faculty of Humanities and Social Sciences. Rijeka (Croatia) 24. – 26. 6. 2021. (online)

VALENTOVÁ, Iveta – KRÁLIK, Ľubor: *Theory of Proper Names by V. Blanár and Research on Slovak Anthroponymy [Teória vlastných mien V. Blanára a výskum slovenskej antroponymie.]* Committee on Linguistics. In: 27th International Congress of Onomastic Sciences Onomastics in Interaction with other disciplines]. Institute of Polish Language (Polish Academy of Sciences), Jagiellonian University, Committee on Linguistics, Polish Academy of Sciences, Faculty of Philosophy of Matej Bel University in Banská Bystrica, Ľ. Štúr Institute of Linguistics (Slovak Academy of Sciences) in Bratislava], University in Trnava, Institute of the Czech Language (Czech Academy of Sciences) in Prague. Kraków (Poland) 22. – 27. 8. 2021. [Presented by Ľ. Králik 26th Aug. 2021 online]

2.3.8. List of researchers who served as members of the organising and/or programme committees

BALLEKOVÁ, Katarína [2x]

Slovanské nárečia v čase a priestore [Slavic Dialects in Time and Space], Bratislava, 57 participants, 5. 2. 2020, OC/PC; *Pracovné stretnutie Medzinárodnej komisie a Medzinárodnej pracovnej skupiny Slovanského jazykového atlasu [Working meeting of the International Commission and the International Working Group of the Slavic Linguistic Atlas]*, Častá-Papiernička, 8. – 15. 10. 2017, 55 participants, OC

BARTALOŠOVÁ, Perla [3x]

Prostriedky tvorenia sociálnej reality: jazyk – diskriminácia – spoločnosť [Instruments for Creating Social Reality: Language – Discrimination – Society], Bratislava, 21. – 22. 10. 2021, 37 participants, OC; *Povaha jazyka a jej poznanie [The Nature of Language and Its Cognition]*, Smolenice, 28. 6. – 30. 6. 2021 (cancelled), OC; *Prechýľovanie: áno – nie? [Feminine forms of surnames: yes or no?]*, Bratislava, 9. 2. 2016, 35 participants, OC

BENKO, Vladimír [2x]

ARANEA 2020. Webové korpusy ako nástroj vo výskume a vo vyučovaní [ARANEA 2020. Web Corpora as a Research and Education Tool], Bratislava, 6. – 7. 11. 2020, 50 participants, OC; *ARANEA 2018 Webové korpusy ako dostupný nástroj jazykového vzdelávania [ARANEA 2018. Web Corpora as a Language Training Tool]*, Bratislava, 23. – 24. 11. 2018, 40 participants, OC

DVORNICKÁ, Ľubica [2x]

Slovanské nárečia v čase a priestore [Slavic Dialects in Time and Space], Bratislava, 5. 2. 2020, 57 participants, PC/OC; *Pracovné stretnutie Medzinárodnej komisie a Medzinárodnej pracovnej skupiny Slovanského jazykového atlasu [Working meeting of the International Commission and the International Working Group of the Slavic Linguistic Atlas]*, Častá-Papiernička, 8. – 15. 10. 2017, 55 participants, PC/OC

FERENČÍKOVÁ, Adriana [1x]

Pracovné stretnutie Medzinárodnej komisie a Medzinárodnej pracovnej skupiny Slovanského jazykového atlasu [Working meeting of the International Commission and the International Working Group of the Slavic Linguistic Atlas], Častá-Papiernička, 8. – 15. 10. 2017, 55 participants, PC/OC

GAJDOŠOVÁ, Katarína [5x]

XXX. kolokvium mladých jazykovedcov [XXX Colloquium of Young Linguists], Bratislava, 3. – 5. 11. 2021, 45 participants, OC; *SLOVKO 2019. Počítačové spracovanie prirodzeného jazyka, korpusová lingvistika, dynamika jazyka [SLOVKO 2019. Natural Language Processing, Corpus Linguistics, Language Dynamics]*, Bratislava, October 23–25, 2019, 77 participants, OC; *XXVII. kolokvium mladých jazykovedcov [XXVII Colloquium of Young Linguists]*, Banská Bystrica, 21. – 23. 11. 2018, 34 participants, OC; *SLOVKO 2017. Počítačové spracovanie prirodzeného jazyka, korpusová lingvistika, terminológia, e-terminológia [SLOVKO 2017. Natural Language Processing, Corpus Linguistics, Terminology, e-Terminology]*, Bratislava, 25. – 27. 10. 2017, 62 participants, OC; *XXV. kolokvium mladých jazykovedcov [XXV Colloquium of Young Linguists]*, Častá-Papiernička, 23. – 25. 11. 2016, 53 participants, OC

GARABÍK, Radovan [6x]

SLOVKO 2021, Bratislava, 13. – 15. 10. 2021, 61 participants, PC; *Spoločný český a slovenský workshop projektu [Joint Czech and Slovak workshop of the project] European Language Grid [Európska jazyková sieť]* Bratislava, Praha, Berlín, 18. 10. 2021, 50 participants, PC; *Workshop on Deep Learning and Neural Approaches for Linguistic Data*, Skopje, Severné Macedónsko, 30. 9. 2021, 35 participants, PC; *ARANEA 2020. Webové korpusy ako nástroj vo výskume a vo vyučovaní [ARANEA 2020. Web Corpora as a Research and Education Tool]*, Bratislava, 6. – 7. 11. 2020, 50 participants, PC; *SLOVKO 2019. Počítačové spracovanie prirodzeného jazyka, korpusová lingvistika, dynamika jazyka [SLOVKO 2019. Natural Language Processing, Corpus Linguistics, Language Dynamics]*, Bratislava, 23. – 25. 10. 2019, 77 participants, PC; *ARANEA 2018*

Webové korpusy ako dostupný nástroj jazykového vzdelávania [ARANEA 2018. Web Corpora as a Language Training Tool], Bratislava, 23. – 24. 11. 2018, 40 participants, PC
HARVALÍK, Milan [2x]

27. *medzinárodný kongres onomastických vied Onomastika v interakcii s inými vednými odbornými [27th International Congress of Onomastic Sciences Onomastics in Interaction with other disciplines]*, Krakov, 22. – 27. 8. 2021, 249 participants, PC; 22. *medzinárodná a celopoľská onomastická konferencia Nazwy własne w przestrzeni wielokulturowej (Vlastné mená v multikultúrnom priestore) [22nd International and All-Polish Onomastic Conference Proper Names in Multicultural Space]*, Rzeszów (Poľsko), 14. – 16. 10. 2021, PC

CHOCHOL, Martin [4x]

Pracovné stretnutie Medzinárodnej komisie a Medzinárodnej pracovnej skupiny Slovanského jazykového atlasu pri Medzinárodnom komitáte slavistov [Working meeting of the International Commission and the International Working Group of the Slavic Linguistic Atlas at the International Committee of Slavists], Moscow, 16. 11. 2021, 54 participants, (online), PC/OC; *Slovanské nárečia v čase a priestore, [Slavic Dialects in Time and Space]* Bratislava, 5. 2. 2020, 57 participants, PC/OC; *Pracovné stretnutie Medzinárodnej komisie a Medzinárodnej pracovnej skupiny Slovanského jazykového atlasu pri Medzinárodnom komitáte slavistov [Working meeting of the International Commission and the International Working Group of the Slavic Linguistic Atlas at the International Committee of Slavists]*, Moscow, 22. 10. 2020 (online), 53 participants, PC; *Pracovné stretnutie Medzinárodnej komisie a Medzinárodnej pracovnej skupiny Slovanského jazykového atlasu pri Medzinárodnom komitáte slavistov [Working meeting of the International Commission and the International Working Group of the Slavic Linguistic Atlas at the International Committee of Slavists]*, Častá-Papiernička, 8. – 15. 10. 2017, 55 participants, PC/OC

CHOCHOLOVÁ, Bronislava [8x]

XXX. *kolokvium mladých jazykovedcov [XXX Colloquium of Young Linguists]*. Bratislava, 3. – 5. 11. 2021, 45 participants, OC; *Povaha jazyka a jej poznávanie [The Nature of Language and its Cognition]*, Smolenice, 28. – 30. 6. 2021 (cancelled), OC; *Slovanské nárečia v čase a priestore [Slavic Dialects in Time and Space]*, Bratislava, 5. 2. 2020, 57 participants, OC; *Pomenúvanie ako odraz komunikačných potrieb [Denomination as a Reflection of Communication Needs]*, Bratislava, 4. 12. 2018, 58 participants, OC; *Pracovné stretnutie Medzinárodnej komisie a Medzinárodnej pracovnej skupiny Slovanského jazykového atlasu [Working meeting of the International Commission and the International Working Group of the Slavic Linguistic Atlas]*, Častá-Papiernička, 8. – 15. 10. 2017, 55 participants, OC; XXVI. *kolokvium mladých jazykovedcov [XXVI Colloquium of Young Linguists]*, Prešov, 6. – 8. 9.2017, 28 participants, OC; *(Socio)lingvistika perspektívy, limity a mýty, medzinárodná vedecká konferencia venovaná životnému jubileu prof. PhDr. Slavomíra Ondrejoviča, Dr.Sc., [(Socio)linguistics Perspectives, Limits and Myths, International Scientific Conference dedicated to the life anniversary of Prof. PhDr. Slavomír Ondrejovič, Dr.Sc.]*, Smolenice, 11. – 13. 4. 2016, 73 participants, OC; XXV. *kolokvium mladých jazykovedcov [XXV Colloquium of Young Linguists]*, Častá-Papiernička, 23. – 25. 11. 2016, 53 participants, OC

IVANOVÁ, Martina [1x]

SLOVKO 2019. *Počítačové spracovanie prirodzeného jazyka, korpusová lingvistika, dynamika jazyka [SLOVKO 2019. Natural Language Processing, Corpus Linguistics, Language Dynamics]*, Bratislava, 23. – 25. 10. 2019, 77 participants, PC

JANOČKOVÁ, Nicol [1x]

Pomenúvanie ako odraz komunikačných potrieb [Denomination as a Reflection of Communication Needs], Bratislava, 4. 12. 2018, 58 participants, OC

JAROŠOVÁ, Alexandra [3x]

Povaha jazyka a jej poznávanie [The Nature of Language and its Cognition], Smolenice, 28. – 30. 6. 2021 (cancelled), PC; *ARANEA 2018. Webové korpusy ako dostupný nástroj jazykového vzdelávania [ARANEA 2018. Web Corpora as a Language Training Tool]*, Bratislava, 23. – 24. 11. 2018, 40 participants, PC; *Pomenúvanie ako odraz komunikačných potrieb [Denomination as a Reflection of Communication Needs]*, Bratislava, 4. 12. 2018, 58 participants, PC

- KAPUSTOVÁ, Monika [1x]
Pomenúvanie ako odraz komunikačných potrieb [Denomination as a Reflection of Communicative Needs], Bratislava, 4. 12. 2018, 58 participants, OC
- KARČOVÁ, Agáta [2x]
Druhý slovenský workshop ELRC [Second ELRC Slovak Workshop], Bratislava, 30. 5. 2018, 59 participants, PC/OC; *SLOVKO 2017. Počítačové spracovanie prirodzeného jazyka, korpusová lingvistika, terminológia, e-terminológia [SLOVKO 2017. Natural Language Processing, Corpus Linguistics, Terminology, e-Terminology]*, Bratislava, 25. – 27. 10. 2017, 62 participants, OC
- KOLENČIKOVÁ, Natália [1x]
XXX. kolokvium mladých jazykovedcov [XXX Colloquium of Young Linguists], Bratislava, 3. – 5. 11. 2021, 45 participants, OC
- KRÁLIK, Ľubor [1x]
Pracovné stretnutie Medzinárodnej komisie a Medzinárodnej pracovnej skupiny Slovanského jazykového atlasu [Working meeting of the International Commission and the International Working Group of the Slavic Linguistic Atlas], Častá-Papiernička, 8. – 15. 10. 2017, 55 participants, PC
- KROLČIKOVÁ, Romana [1x]
SLOVKO 2021. Počítačové spracovanie prirodzeného jazyka, korpusová lingvistika a interdisciplinárny výskum [SLOVKO 2021. Natural Language Processing, Corpus Linguistics and the Interdisciplinarity Research] Bratislava, October 13–15 2021, 61 participants, OC
- LEVICKÁ, Jana [5x]
SLOVKO 2021. Počítačové spracovanie prirodzeného jazyka, korpusová lingvistika interdisciplinárny výskum [SLOVKO 2021. Natural Language Processing, Corpus Linguistics and the Interdisciplinarity Research], Bratislava, October 13–15. 2021, 61 participants, PC/OC; *SLOVKO 2019. Počítačové spracovanie prirodzeného jazyka, korpusová lingvistika, dynamika jazyka [SLOVKO 2019. Natural Language Processing, Corpus Linguistics, Language Dynamics]*, Bratislava, October 23–25, 2019, 77 participants, PC/OC; *Druhý slovenský workshop ELRC [Second ELRC Slovak Workshop]*, Bratislava, 30. 5. 2018, 59 participants, PC/OC; *SLOVKO 2017. Počítačové spracovanie prirodzeného jazyka, korpusová lingvistika, terminológia, e-terminológia [SLOVKO 2017. Natural Language Processing, Corpus Linguistics, Terminology, e-Terminology]*, Bratislava, October 25–27 2017, 62 participants, PC/OC; *Prvý slovenský workshop ELRC [ELRC The First Slovak Workshop]*, Bratislava, 14. 4. 2016, 62 participants, OC
- MIKOLAJOVÁ, Mária [1x]
XXX. kolokvium mladých jazykovedcov [XXX Colloquium of Young Linguists], Bratislava, 3. – 5. 11. 2021, 45 participants, OC
- MÚCSKOVÁ, Gabriela [5x]
Povaha jazyka a jej poznávanie [The Nature of Language and its Cognition], Smolenice, 28. – 30. 6. 2021 (cancelled), PC; *Slovanské nárečia v čase a priestore [Slavic Dialects in Time and Space]*, Bratislava, 5. 2. 2020, 57 participants, PC/OC; *Pomenúvanie ako odraz komunikačných potrieb [Denomination as a Reflection of Communication Needs]* Bratislava, 4. 12. 2018, 58 participants, PC; *SLOVKO 2017. Počítačové spracovanie prirodzeného jazyka, korpusová lingvistika, terminológia, e-terminológia [SLOVKO 2017. Natural Language Processing, Corpus Linguistics, Terminology, e-Terminology]*, Bratislava, 25. – 27. 10. 2017, 62 participants, PC; *(Socio)lingvistika perspektívy, limity a mýty, medzinárodná vedecká konferencia venovaná životnému jubileu prof. PhDr. Slavomíra Ondrejoviča, DrSc., [Socio]linguistics Perspectives, Limits and Myths. International Scientific Conference Dedicated to the Life Anniversary of prof. PhDr. Slavomír Ondrejovič]* Smolenice, 11. – 13. 4. 2016, 73 participants, OC
- OLOŠTIAK, Martin [1x]
Slovanská slovtvorba: synchrónia, inovácie, neologizácia [Slavic Word Formation: Synchrony, Innovation, Neologisation] Prešov, 7. – 10. 9. 2021, 39 participants, PC/OC
- ONDREJOVIČ, Slavomír [1x]
Povaha jazyka a jej poznávanie [The Nature of Language and its Cognition], Smolenice, 28. – 30. 6. 2021, (cancelled), PC

- RAUSOVÁ, Katarína [1x]
Tretí slovenský workshop ELRC [The Third ELRC Slovak Workshop], Bratislava, 25. 5. 2021, 54 participants, OC
- RUSINKOVÁ, Jaroslava [2x]
Povaha jazyka a jej poznávanie [The Nature of Language and its Cognition], Smolenice, 28. – 30. 6. 2021 (cancelled), OC; *Prostriedky tvorenia sociálnej reality: jazyk – diskriminácia – spoločnosť [Instruments for Creating Social Reality: Language – Discrimination – Society]*, Bratislava, 21. – 22. 10. 2021, 37 participants, PC/OC
- SATINSKÁ Molnár Lucia [4x]
Prostriedky tvorenia sociálnej reality: jazyk – diskriminácia – spoločnosť [Instruments for Creating Social Reality: Language – Discrimination – Society], Bratislava, 21. – 22. 10. 2021, 37 participants, PC/OC; *Povaha jazyka a jej poznávanie [The Nature of Language and its Cognition]*, Smolenice, 28. – 30. 6. 2021 (cancelled), OC; *(Socio)lingvistika perspektívy, limity a mýty. Medzinárodná vedecká konferencia venovaná životnému jubileu prof. PhDr. Slavomíra Ondrejoviča, DrSc. [Socio]linguistics Perspectives, Limits and Myths. International Scientific Conference Dedicated to the Life Anniversary of prof. PhDr. Slavomír Ondrejovič*. Smolenice, 11. – 13. 4. 2016, 73 participants, OC; *Prechýľovanie: áno – nie? [Feminine Forms of Surnames: Yes or No?]* Bratislava, 9. 2. 2016, 35 participants, PC/OC
- SOÓKY, Roman [2x]
Povaha jazyka a jej poznávanie [The Nature of Language and its Cognition], Smolenice, 28. – 30. 6. 2021 (cancelled), OC; *Prostriedky tvorenia sociálnej reality: jazyk – diskriminácia – spoločnosť [Instruments for Creating Social Reality: Language – Discrimination – Society]*, Bratislava, 21. – 22. 10. 2021, 37 participants, OC
- ŠIMKOVÁ, Mária [2x]
SLOVKO 2019. Počítačové spracovanie prirodzeného jazyka, korpusová lingvistika, dynamika jazyka [SLOVKO 2019. Natural Language Processing: Corpus Linguistics, Language Dynamics], Bratislava, October 23–25, 2019, 77 participants, PC/OC; *SLOVKO 2017. Počítačové spracovanie prirodzeného jazyka, korpusová lingvistika, terminológia, e-terminológia [SLOVKO 2017. Natural Language Processing, Corpus Linguistics, Terminology, e-Terminology]*, Bratislava, 25. – 27. 10. 2017, 62 účastníkov, PC/OC
- ŠIMUNOVÁ, Dagmar [2x]
Slovanské nárečia v čase a priestore [Slavic Dialects in Time and Space], Bratislava, 5. 2. 2020, 57 participants, OC; *Pracovné stretnutie Medzinárodnej komisie a Medzinárodnej pracovnej skupiny Slovanského jazykového atlasu [Working meeting of the International Commission and the International Working Group of the Slavic Linguistic Atlas]*, Častá-Papiernička, 8. – 15. 10. 2017, 55 participants, OC
- UHLIARIK, Ivor [1x]
SLOVKO 2019. Počítačové spracovanie prirodzeného jazyka, korpusová lingvistika, dynamika jazyka [SLOVKO 2019. Natural Language Processing, Corpus Linguistics, Language Dynamics], Bratislava, October 23–25, 2019, 77 participants, PC)
- VALENTOVÁ, Iveta [7x]
27. medzinárodný onomastický kongres Onomastika v interakcii s inými vednými odbormi, [27th International Onomastic Congress Onomastics in Interaction with other Disciplines], Kraków, 22. – 27. 8. 2021, 249 participants, PC; *XXI. slovenská onomastická konferencia Vlastné mená v interdisciplinárnom kontexte [XXI Slovak Onomastic Conference Proper Names in an Interdisciplinary Context]*, Nitra, 10. – 12. 9. 2019, 64 participants, PC; *Zasadnutie predsedníctva Slovenskej onomastickej komisie a 6. pracovná porada o onomastickej terminológii [Meeting of the Board of the Slovak Onomastic Commission and 6th Working Meeting on Onomastic Terminology]*, Bratislava, July 4, 2019, 9 participants, OC; *Zasadnutie predsedníctva Slovenskej onomastickej komisie a 5. pracovná porada o onomastickej terminológii [Meeting of the Board of the Slovak Onomastic Commission and 5th Working Meeting on Onomastic Terminology]* Bratislava, November 29, 2018, 10 participants, OC; *XX. slovenská onomastická konferencia Konvergenzie a divergenzie v propriálnej sfére [XX Slovak Onomastic Conference Convergences and Divergences in the Proprial Sphere]*. Banská Bystrica, 26. – 28. 6. 2017, 62 participants, PC; *4. pracovná porada nielen o slovenskej onomastickej terminológii [4th Working Meeting not Only on Slovak Onomastic Terminology]*, October

11, 2017, 11 participants, OC; *Prechýľovanie: áno – nie? [Feminine Forms of Surnames: Yes or No?]*, Bratislava, 9. 2. 2016, 35 participants, OC

ZUMRÍK, Miroslav [5x]

SLOVKO 2021. *Počítačové spracovanie prirodzeného jazyka, korpusová lingvistika a interdisciplinárny výskum [SLOVKO 2021. Natural Language Processing, Corpus Linguistics and Interdisciplinarity Research]*, Bratislava, October 13–15 2021, 61 participants, PC/OC; *Tretí slovenský workshop ELRC [The Third ELRC Slovak Workshop]*, Bratislava, 25. 5. 2021, 54 participants, PC/OC; SLOVKO 2019. *Počítačové spracovanie prirodzeného jazyka, korpusová lingvistika, dynamika jazyka [SLOVKO 2019. Natural Language Processing, Corpus Linguistics, Language Dynamics]*, Bratislava, October 23–25, 2019, 77 participants, OC; *Druhý slovenský workshop ELRC [The Second ELRC Slovak Workshop]*, Bratislava, 30. 5. 2018, 59 participants, PC/OC; *Prvý slovenský workshop ELRC [The First ELRC Slovak Workshop]*, Bratislava, 14. 4. 2016, 62 participants, OC

2.3.9. List of researchers who received an international scientific award

2016 – 2017

KRÁLIK, Ľubor

The 24th Dictionary of the Year Competition: Jury Prize for a Monolingual Dictionary – Main Prize

Awarded by: Union of Interpreters and Translators Prague (Czech Republic)

Description: The author was awarded for his work *The Concise Etymological Dictionary of Slovak*

2018 – 2019

MAJCHRÁKOVÁ, Daniela, CHLPÍKOVÁ, Katarína, BOBEKOVÁ, Kristína

Honourable mention from the jury in the International Czech-Slovak Dictionary of the Year 2019 competition

Awarded by: Union of Interpreters and Translators Prague (Czech Republic)

Description: The Honourable mention was awarded to a team of authors for their work *Dictionary of Collocations of Adjectives in Slovak*

GARABÍK, Radovan et. al.

The 1st place in the International Czech-Slovak competition Dictionary of the Year 2020

Awarded by: Union of Interpreters and Translators Prague (Czech Republic)

Description: The prize was awarded to a team of authors headed by R. Garabík for their work *Revised Dictionary of Contemporary Slovak. Word Forms Based on the Slovak National Corpus*

- **Position of individual researchers in the national context**

2.3.10. List of invited/keynote presentations at national conferences, as documented by programme or invitation letter

2016

KRÁLIK, Ľubor: *Stručný etymologický slovník slovenčiny [The Concise Etymological Dictionary of Slovak]*. In: Professional-methodological seminar for lecturers of Slovak language and culture. Faculty of Arts, Comenius University in Bratislava – Studia Academica Slovaca – Ministry of Education, Science, Research and Sport of the Slovak Republic. Bratislava 16. 8. 2016.

2017

GARABÍK, Radovan: *Korpusová analýza dynamického vývoja slovenského jazyka [Corpus Analysis of the Dynamic Development of the Slovak Language]*. In: Conference

Linguistic Views. Faculty of Applied Languages at the University of Economics in Bratislava. Bratislava 9. 11. 2017.

CHOCHOLOVÁ, Bronislava: *Zo zákulisia tvorby Slovníka súčasného slovenského jazyka [From behind the Scenes of the Creation of the Dictionary of the Contemporary Slovak Language]*. In: Conference Linguistic Views. Faculty of Applied Languages at the University of Economics in Bratislava. Bratislava 9. 11. 2017.

KRÁLIK, Ľubor: *Etymologický slovník slovenčiny – skutočný bestseller jazykovednej literatúry [Etymological Dictionary of Slovak – a real bestseller of linguistic literature]*. In: Conference Linguistic Views. Faculty of Applied Languages at the University of Economics in Bratislava. Bratislava 9. 11. 2017.

ONDREJOVIČ, Slavomír: *Jazykovedný výskum v JÚLŠ SAV v minulosti i z hľadiska ďalšej perspektívy [Linguistic Research at the LŠIL SAS in the Past and from the Point of View of the Future Perspective]*. In: Conference Linguistic Views. Faculty of Applied Languages at the University of Economics in Bratislava. Bratislava 9. 11. 2017.

2018

BALLEKOVÁ, Katarína: *Dedičstvo 1. svetovej vojny v slovnej zásobe slovenčiny. [The legacy of World War I in the Slovak vocabulary]*. In: Conference One Hundred Years Since the First Official Proclamation of the Slovak Language as the Language of Instruction in Slovakia. Methodological and Pedagogical Centre in Bratislava. Revúca 14. 2. – 15. 2. 2018.

BENKO, Vladimír: *Crowdsourcing for the Slovak Morphological Lexicon. [Crowdsourcing pre Slovenský morfológický lexikon]*. In the framework of the ITAT 2018 conference. Krompachy 22. 9. 2018. The paper was awarded the prize for the best article of the ITAT conference.

DOLNÍK, Juraj: *Lexikálny význam v recepcii [Lexical Meaning in Reception]*. In: Festive colloquium dedicated to Klára Buzássyová on the occasion of her life anniversary *Denomination as a Reflection of Communication Needs*. Ľudovít Štúr Institute of Linguistics Slovak Academy of Sciences and Slovak Linguistic Society at LŠIL SAS. Bratislava 4. 12. 2018

FERENČÍKOVÁ, Adriana: *Motivácia a slovtvorná štruktúra pomenovania slnečnice v slovanských jazykoch [Motivation and Word-formation Structure of the Equivalents of ‚slnečnica‘ in Slavic Languages]*. In: Festive colloquium dedicated to Klára Buzássyová on the occasion of her life anniversary *Denomination as a Reflection of Communicative Needs*. Ľudovít Štúr Institute of Linguistics of Slovak Academy of Sciences and Slovak Linguistic Society at LŠIL SAS. Bratislava 4. 12. 2018.

GAJDOŠOVÁ, Katarína – MOŠAŤOVÁ, Michaela: *Projekt tvorba akvizičného korpusu textov cudzincov učiacich sa slovenčinu ako cudzí jazyk. [Project of Creation of an Acquisition Corpus of Texts of Foreigners Learning Slovak as a Foreign Language.]* In: Symposium for lecturers. Summer School of Studia Academica Slovaca. Bratislava 21. 8. 2018.

GAJDOŠOVÁ, Katarína: *Metahodnotenie bohemizmus/čechizmus v slovensko-českých kontaktoch (na báze textových korpusov). [Meta-evaluation of Bohemianism/Czechism in Slovak-Czech Contacts (Based on Corpora Texts)]*. In: Summer School of Studia Academica Slovaca. Bratislava 14. 8. 2018.

GARABÍK, Radovan: *Dvojazyčné paralelné korpusy [Bilingual Parallel Corpora]*. In: 14th Conference of the Slovak Terminology Network. Language Technologies in Translation. Bratislava 15. 11. 2018.

JAROŠOVÁ, Alexandra: *Pohľad na pomenovanie cez prizmu teoretických rámcov a slovníkového hesla [A View on Naming Units through the Prism of Theoretical Frameworks and Dictionary Entries]*. In: Festive colloquium dedicated to Klára Buzássyová on the occasion of her life anniversary *Denomination as a reflection of communicative needs*. Ľudovít Štúr Institute of Linguistics of Slovak Academy of Sciences and Slovak Linguistic Society at LŠIL SAS. Bratislava 4. 12. 2018.

JAROŠOVÁ, Alexandra: *Teoretické a praktické predpoklady edukačného prístupu k jazyku [Theoretical and Practical Assumptions of Educational Approach to Language]*. In: Professional-methodological seminar for lecturers of Slovak as a Foreign Language.

Faculty of Arts Comenius University. *Studia Academica Slovaca – Centre for Slovak as a Foreign Language*. Bratislava 1. 2. 2018.

KRÁLIK, Ľubor: *Jazyk, kultúra, spoločnosť: o jazykovom stvárnení pojmu „peniaz, minca“ (úvodná plenárna prednáška)*. [Language, Culture, Society: on the Linguistic Representation of the Concept of "Money, Coin" (Introductory plenary lecture)]. In: International conference Foreign Languages in the Changes of Time IX. Faculty of applied languages at the University of Economics in Bratislava. Bratislava 9. 11. 2018.

MÚCSKOVÁ, Gabriela: *Medzivojnová Československá republika v dejinách slovenského spisovného jazyka*. [Interwar Czechoslovak Republic in the History of the Slovak Standard Language.] In: Conference One Hundred Years Since the First Official Proclamation of the Slovak Language as the Language of Instruction in Slovakia. Methodological and Pedagogical Centre in Bratislava. Revúca 14. – 15. 2. 2018.

MÚCSKOVÁ, Gabriela: *Nárečová diferenciácia ako fenomén regionálnej identity*. [Dialect Differentiation as a Phenomenon of Regional Identity] In: Conference Identity SK – INSK Interior in Slovakia. Bratislava 4. – 5. 10. 2018.

ŠIMKOVÁ, Mária: *Možnosti vyučovania slovenského jazyka v kontexte súčasných informačnokomunikačných technológií* [Possibilities of Teaching Slovak Language in the Context of Contemporary Information and Communication Technologies]. In: Conference One Hundred Years Since the First Official Proclamation of the Slovak Language as the Language of Instruction in Slovakia. Methodological and Pedagogical Centre in Bratislava. Revúca 14. – 15. 3. 2018.

2019

BALLEKOVÁ, Katarína: *Čo odhaľuje slovenčina o sirotách a vdovách? Zo slovnej zásoby rodinných vzťahov*. [What does Slovak Reveal about Orphans and Widows? From the Vocabulary of Family Relations]. Scientific Conference Care for Orphaned and Socially Deprived Children in Hungary/Slovakia in the Period of Modernization. Institute of History SAS. Bratislava 22. – 23. 5. 2019.

IVANOVÁ, Martina: *Identita, kultúra, slovníky: slovenčina v zrkadle súčasnej lexikografie* [Identity, culture, vocabularies: Slovak in the Mirror of Contemporary Lexicography]. Lecture within *Studia Academica Slovaca*. Faculty of Arts of Comenius University in Bratislava. Bratislava 3. 8. 2019.

JANOČKOVÁ, Nicol: *(Ne)zvrtné slovesá v texte a vo výkladovom slovníku*. [(Non)reflexive Verbs in the Text and in the Explanatory Dictionary]. In: 41st Summer School of Translation]. Piešťany 25. 10. – 27. 10. 2019.

LEVICKÁ, Jana: *Praktické využitie terminologických a korpusových nástrojov v prekladateľskej praxi*. [Practical Use of Terminological and Corpus Tools in Translation Practice]. In: Studio of Translation, Interpreting and Terminology Event. The Slovak Society of Translators of Scientific and Technical Literature. Bratislava 28. 9. 2019.

2020

HARVALÍK, Milan: *Vzťah propriální a apelatívni sféry jazyka*. [The Relationship between the Proprial and Appellative Spheres of Language]. In: XXIX Colloquium of Young Linguists. Department of Slovak Language and Literature, Faculty of Education, University of Trnava. Slovak Linguistic Society at L'ŠIL SAS. Trnava 25. – 27. 11. 2020 (online).

IVANOVÁ, Martina: *Nástroj SMART tool a problematika osvojovania si deklinácie v slovenčine ako cudzom jazyku*. [SMART Tool and the Problem of Acquiring Declension in Slovak as a Foreign Language]. In: Summer school *Studia Academica Slovaca*. Bratislava 20. 8. 2020.

IVANOVÁ, Martina: *Ako si urobiť poriadok vo vete (slovosled vo výučbe slovenčiny ako cudzieho jazyka)* [How to Make Order in a Sentence (Word Order in Teaching Slovak as a Foreign Language)]. In: Professional-methodological seminar for teachers of Slovak as a foreign language]. Bratislava 18. 8. 2020.

2021

LEVICKÁ, Jana: *Novinky oddelenia Slovenského národného korpusu* [News from the Slovak National Corpus Department]. In: Studio of Translation, Interpreting and

Terminology II. Event. The Slovak Society of Translators of Scientific and Technical Literature. Bratislava 1. 10. 2021. (online)

LEVICKÁ, Jana: *Obohacovanie slovnej zásoby a Slovenskej terminologickej databázy*. [Enrichment of Vocabulary and Slovak Terminology Database]. In: Slovak Terminology Network Conference. Bratislava 11. 11. 2021. (online)

2.3.11. List of researchers who served as members of organising and programme committees of national conferences

BALLEKOVÁ, Katarína [1x]

Sto rokov od prvého oficiálneho vyhlásenia slovenského jazyka ako vyučovacieho jazyka na Slovensku [One Hundred Years since the First Official Declaration of Slovak as a Language of Instruction in Slovakia], Revúca 14. – 15. 2. 2018, 170 participants, PC

BARTALOŠOVÁ, Perla [1x]

Aktuálne otázky slovenského jazyka [Current Issues in Slovak Language], Bratislava, 4. – 5. 10. 2016, 22 participants, OC

DOVIČOVIČOVÁ, Denisa [1x]

Jazykové problémy, na ktoré používatelia ťažko hľadajú odpoveď [Language Issues Whose Solutions Are Hard to Find], Bratislava, 28. – 29. 11. 2017, 56 participants, OC

DUCHKOVÁ, Silvia [1x]

Jazykové problémy, na ktoré používatelia ťažko hľadajú odpoveď [Language Issues Whose Solutions Are Hard to Find], Bratislava, 28. – 29. 11. 2017, 56 participants, OC

FERENČÍKOVÁ, Adriana [2x]

14. celoslovenské stretnutie jazykovedcov a Valné zhromaždenie Slovenskej jazykovednej spoločnosti pri Jazykovednom ústave Ľ. Štúra SAV [14th National Meeting of Linguists and General Assembly of the Slovak Linguistic Society at the Ľ. Štúr Institute of Linguistics of the Slovak Academy of Sciences], Bratislava 13. – 14. 11. 2019, 56 participants, PC; *100. výročie narodenia prof. Jozefa Ružičku* [100th Anniversary of the Birth of Jozef Ružička], Bratislava, 24. 5. 2016, 30 participants, PC

GAJDOŠOVÁ, Katarína [1x]

14. celoslovenské stretnutie jazykovedcov a Valné zhromaždenie Slovenskej jazykovednej spoločnosti pri Jazykovednom ústave Ľ. Štúra SAV [14th National Meeting of Linguists and General Assembly of the Slovak Linguistic Society at the Ľ. Štúr Institute of Linguistics of the Slovak Academy of Sciences], Bratislava 13. – 14. 11. 2019, 56 participants, OC

HRUBANIČOVÁ, Ingrid [1x]

Jazykové problémy, na ktoré používatelia ťažko hľadajú odpoveď [Language Issues Whose Solutions Are Hard to Find], Bratislava, 28. – 29. 11. 2017, 56 participants, OC

CHOCHOLOVÁ, Bronislava [4x]

14. celoslovenské stretnutie jazykovedcov a Valné zhromaždenie Slovenskej jazykovednej spoločnosti pri Jazykovednom ústave Ľ. Štúra SAV [14th National Meeting of Linguists and General Assembly of the Slovak Linguistic Society at the Ľ. Štúr Slovak Institute of Linguistics of the Slovak Academy of Sciences], Bratislava 13. – 14. 11. 2019, 56 participants, OC; *Jazykové problémy, na ktoré používatelia ťažko hľadajú odpoveď* [Language Issues Whose Solutions Are Hard to Find], Bratislava, 28. – 29. 11. 2017, 56 participants, OC; *100. výročie narodenia prof. Jozefa Ružičku* [The 100th Anniversary of the Birth of Jozef Ružička], Bratislava, 24. 5. 2016, 30 participants, OC; *Aktuálne otázky slovenského jazyka* [Current Issues of the Slovak Language], Bratislava, 4. – 5. 10. 2016, 22 participants, OC

JAROŠOVÁ, Alexandra [2x]

15. konferencia Slovenskej terminologickej siete [15th Conference of the Slovak Terminology Network], 2020, PC; *12. konferencia Slovenskej terminologickej siete Energetika v preklade* [12th Conference of the Slovak Terminology Network Energetics in Translation], Nitra, 2018, PC

KÁLMÁNOVÁ, Katarína [1x]

Jazykové problémy, na ktoré používatelia ťažko hľadajú odpoveď [Language Issues Whose Solutions Are Hard to Find], Bratislava, 28. – 29. 11. 2017, 56 participants, OC

KLIMOVÁ, Laura [1x]

14. celoslovenské stretnutie jazykovedcov a Valné zhromaždenie Slovenskej jazykovednej spoločnosti pri Jazykovednom ústave Ľ. Štúra SAV [14th National Meeting of Linguists and General Assembly of the Slovak Linguistic Society at the Ľ. Štúr Slovak Institute of Linguistics of the Slovak Academy of Sciences], Bratislava 13. – 14. 11. 2019, 56 participants, OC

MISLOVIČOVÁ, Sibyla [1x]

Jazykové problémy, na ktoré používatelia ťažko hľadajú odpoveď [Language Issues Whose Solutions Are Hard to Find], Bratislava, 28. – 29. 11. 2017, 56 participants, PC

MÚČSKOVÁ, Gabriela [2x]

14. celoslovenské stretnutie jazykovedcov a Valné zhromaždenie Slovenskej jazykovednej spoločnosti pri Jazykovednom ústave Ľ. Štúra SAV [14th National Meeting of Linguists and General Assembly of the Slovak Linguistic Society at the Ľ. Štúr Slovak Institute of Linguistics of the Slovak Academy of Sciences], Bratislava, 13. – 14. 11. 2019, 56 participants, PC/OC; *Sto rokov od prvého oficiálneho vyhlásenia slovenského jazyka ako vyučovacieho jazyka na Slovensku* [One Hundred Years Since the First Official Proclamation of the Slovak Language as the Language of Instruction in Slovakia], Revúca 14. – 15. 2. 2018, 170 participants, PC

ONDREJKOVÁ, Renáta [5x]

Konferencia Slovenskej asociácie učiteľov slovenčiny [Conference of the Slovak Association of Teachers of Slovak], Košice, 2019, OC; *Konferencia Slovenskej asociácie učiteľov slovenčiny* [Conference of the Slovak Association of Teachers of Slovak], 2018, Bratislava, OC; *Konferencia Slovenskej asociácie učiteľov slovenčiny. Povinné čítanie – áno alebo nie?* [Conference of the Slovak Association of Teachers of Slovak. Compulsory reading – Yes or No?], 2017, Bratislava, OC; *Konferencia Slovenskej asociácie učiteľov slovenčiny a Valné zhromaždenie SAUS* [Conference of the Slovak Association of Teachers of Slovak and the General Assembly of the SAVS, Banská Bystrica, 2017, OC; *100. výročie narodenia prof. Jozefa Ružičku* [The 100th Anniversary of the Birth of Jozef Ružička], Bratislava, 24. 5. 2016, 30 participants, OC

ONDREJOVIČ, Slavomír [1x]

100. výročie narodenia prof. Jozefa Ružičku [The 100th Anniversary of the Birth of Prof. Jozef Ružička], Bratislava, 24. 5. 2016, 30 participants, PC

ŠIMKOVÁ, Mária [1x]

Aktuálne otázky slovenského jazyka [Current Issues of the Slovak Language], Bratislava, 4. – 5. 10. 2016, 22 participants, OC

VALENTOVÁ, Iveta [1x]

3. pracovná porada o slovenskej onomastickej terminológii [The 3rd Working Meeting on Slovak Onomastic Terminology], Bratislava, 13. 10. 2016, 8 participants, OC

WACHTARCZYKOVÁ, Jana [1x]

Aktuálne otázky slovenského jazyka [Current Issues of the Slovak Language] Bratislava, 4. – 5. 10. 2016, 22 participants, PC/OC

2.3.12. List of researchers who received a national scientific award

2016

ONDREJOVIČ, Slavomír

Gold Medal of the Slovak Academy of Sciences

Awarded by: Chairman of SAS

Description: For lifetime scientific work

KRÁLIK, Ľubor

Tatra banka Foundation Award for Art 2016, Literature category

Awarded by: Tatra banka Foundation

Description: *The Concise Etymological Dictionary of Slovak*

ONDREJOVIČ, Slavomír
Honorary Citizenship of Lučenec
Awarded by: Mayor of Lučenec
Description: Lifetime Achievement Award for Scientific and Translation Activities

ONDREJOVIČ, Slavomír
Gold Medal of the Faculty of Arts of Comenius University
Awarded by: Dean of the Faculty of Arts, Comenius University
Description: Award at the occasion of life anniversary

2017

DOLNÍK, Juraj
Personalities of the Slovak Academy of Sciences – Award on the Occasion of a Significant Life Anniversary
Awarded by: Slovak Academy of Sciences
Description: For Long-standing Contribution to Science in Slovakia and to the SAS Itself

KRÁLIK, Lubor
SAS Award for the Popularisation of Science
Awarded by: Slovak Academy of Sciences
Description: For promoting the importance of science and advocating its development

DOLNÍK, Juraj
The Great Gold Medal of Comenius University
Awarded by: Comenius University

2018

GAJDOŠOVÁ Katarína, ŠIMKOVÁ Mária, GARABÍK Radovan, MÁŠIK Ján, UHLIARIK Ivor
Main Prize of the Literary Fund for Scientific and Professional Literature and Computer Programs for 2018
Awarded by: Section for Scientific and Professional Literature and Computer Programs of the Literary Fund
Description: Award for the Work *Frequency Dictionary of Spoken Slovak Based on the Slovak Spoken Corpus*

GARABÍK, Radovan, KMEŤOVÁ, Beata, KARČOVÁ, Agáta, BOBEKOVÁ, Kristína, MAJCHRÁKOVÁ, Daniela, CHLPÍKOVÁ, Katarína
Literary Fund Prize for Scientific and Professional Literature 2018
Awarded by: Literary Fund
Description: Prize for the Work *Revised Dictionary of Contemporary Slovak. Word Forms Based on the Slovak National Corpus*

BUZÁSSYOVÁ, Klára
Medal of the Slovak Academy of Sciences for support of science
Awarded by: Chairman of SAS
Description: Lifetime Achievement Award in the Field of Linguistics on the Occasion of the Life Anniversary

DOLNÍK, Juraj
Literary Fund Prize for Scientific and Professional Literature for 2017 in the category of social sciences
Awarded by: Literary Fund
Description: Awarded by the Committee of the Section for Scientific and Professional Literature and Computer Programs for the Publication *Language in Social Culture*

SMATANA, Miloslav et al. (K. Balleková, H. Hložková, R. Holec a M. Smatana)
Prize of the Director of the Regional Cultural Centre in Prievidza
Awarded by: Regional Cultural Centre in Prievidza, Department of Culture and Tourism Management, Faculty of Arts, University of Constantine the Philosopher in Nitra, Sebedražie Municipality
Description: In National Competition of Ethnological Research of Mjartan's Sebedražie 2018 was a team of authors and compilers awarded a prize in the category of Scientific and Professional Literature for the Publication *Remembrances: The First World War in the Language of Our Grandfathers and Grandmothers*

BENKO, Vladimír
ITAT 2018 The Best Paper Award – paper *Crowdsourcing for the Slovak Morphological Lexicon*
Awarded by: SloNLP 2018 in the framework of the conference ITAT 2018

2019

DOLNÍK Juraj
Top Publications of the Slovak Academy of Sciences – category scientific publication with an exceptionally high number of citations
Awarded by: Chairman of SAS
Description: Award for the publication *Language – A Man – Culture*

KRÁLIK, Ľubor
Top Publications of the Slovak Academy of Sciences – category scientific publication with an exceptionally high number of citations
Awarded by: Chairman of SAS
Description: Award for the publication *The Concise Etymological Dictionary of Slovak*

MISLOVIČOVÁ Sibyla
Prize of the Slovak Academy of Sciences for Popularisation of Science
Awarded by: Chairman of SAS
Description: For scientific popularisation and educational activities in the field of language culture

MISLOVIČOVÁ, Sibyla
Science and Technology Prize 2019 in the category Populariser of Science
Awarded by: Minister of Education, Science, Research and Sport of the Slovak Republic
Description For years of work in the field of language culture, language counselling and cultivation of the standard language, as well as for extraordinary merits in the popularisation of the results of scientific research in the field of the standard language

SMATANA, Miloslav
Book of Upper Považie
Awarded by: Regional Library in Žilina
Description: Award for the 2nd place in the category of specialised literature to the authors' team for the publication *Rajecká dolina [Rajec Valley]* [(Rajec City, 2018 - co-author and co-compiler)

2020

BENKO, Vladimír
Publications with an exceptionally high number of citations
Awarded by: Chairmanship of the Slovak Academy of Sciences
Description: Award for a top publication with an exceptionally high number of citations for the work *Aranea: Yet another Family of (Comparable) Web Corpora*. In: Text, Speech, and Dialogue. 17th International Conference, TSD 2014 Brno, Czech Republic, September 8 – 12, 2014, Proceedings. Ed. P. Sojka et al. Cham – Heidelberg – New York – Dordrecht – London: Springer, 2014, s. 247 – 256.

FERENČÍKOVÁ, Adriana
Medal of the Slovak Academy of Sciences for the Promotion of Science
Awarded by: Chairman of the SAS
Description: For lifetime research in the field of Slovak and Slavic dialectology

FERENČÍKOVÁ, Adriana
Prize for the development of Slovak science at home and abroad
Awarded by: Literary Fund
Description: For many years of scientific research and outstanding achievements in the field of Slovak and Slavic dialectology, as well as in the field of language culture and the promotion of the Slovak language in educational and cultural institutions

2021

ONDREJOVIČ, Slavomír
Congratulatory letter of the Chairmanship of the SAS for the Life Anniversary
Awarded by: Chairman of the SAS
Description: On the occasion of a significant life anniversary for outstanding contribution to the improvement of the quality of research and development in the Slovak Academy of Sciences

2.4. Research grants and other funding resources

(List type of project, title, grant number, duration, total funding and funding for the institute, responsible person in the institute and his/her status in the project, e.g. coordinator “C”, work package leader “W”, investigator “I”. Add information on the projects which are interdisciplinary, and also on the joint projects with several participating SAS institutes)

- **International projects**

2.4.1. List of major projects of Framework Programmes of the EU (which pillar), NATO, COST, etc.

Add information on your activities in international networks

COST PROJECTS

**1. Title: European Network of e-lexicography – ENeL
Interdisciplinary Type of Research Project**

Grant number: COST IS 1305

Duration: 11 October 2013 – 30 October 2017

Total funding: € 6125 (100% from SAS sources)

Person in charge at the Institute: Vladimír Benko

Number of researchers in the Institute's team: 2

Coordinator: Instituut Nederlandse Lexicologie, Leiden, Belgium

Number of participating institutions: 31

Outputs of the Institute in the framework of the project:

- List of Latinate words in contemporary Slovak amounting to the number of entries in a so-called “mid-sized” dictionary

- Inclusion and management of Slovak dictionaries presented at the European Dictionary Portal

Conferences and meetings: Actively participating at eight meetings of working groups and a conference

2. Title: PARSEME. Parsing and Multi-word Expressions. Towards Linguistic Precision and Computational Efficiency in NLP Interdisciplinary Type of Research Project

Grant number: IC1207

Duration: 8 March 2013 – 7 March 2017

Total funding: € 4288 (100% from SAS sources)

Person in charge at the Institute: Mária Šimková

Number of researchers in the Institute's team: 3

Coordinator: Université François Rabelais Tours, Blois, France

Number of participating institutions: 32

Institute's outputs in the project framework:

- Five reviews of posters for COST Parseme meetings

Publications: One scientific publication in English abroad and a poster

Conferences and meetings: Actively participated twice at Parseme training schools, actively participated at two general meetings, one internship stay

3. Title: European Network for Combining Language Learning with Crowdsourcing Techniques (enetCollect)

Interdisciplinary Type of Research Project

Grant number: CA16105

Duration: 7 March 2017 – 6 March 2020

Total funding: € 10,377 (100% from SAS sources)

Person in charge at the Institute: Mária Šimková

Number of researchers in the Institute's team: 3

Coordinator: European Academy of Bozen/Bolzano, Bolzano/Bozen, Italy

Number of participating institutions: 40

Institute's outputs in the project framework:

- Concept of the acquisition corpus of the Slovak language: designing internal and external annotation, designing the structure of text archives, procedures for automated conversion of texts from various formats, development and testing of scripts for text conversion

- Test processing of scanned documents and compiling the beta version of the corpus

Conferences and meetings: Participation at a workshop

4. Title: European network for Web-centred linguistic data science (Nexus Linguarum)

Interdisciplinary Type of Research Project

Grant number: CA18209

Duration: 28 October 2019 – 27 October 2023

Total funding: € 7170 (100% from SAS sources)

Person in charge at the Institute: Radovan Garabík

Number of researchers in the Institute's team: 2

Coordinator: Universidad de Zaragoza, Spain

Number of participating institutions: 42

Institute's outputs in the project framework:

- Slovak researcher's involvement in leading the package Deep Learning and Neural Approaches for Linguistic Data and contribution to the development of the survey method of current language analyses in the project partners' countries

Publications: Two scientific publications (one of them published in English) and an edition of an English book of abstracts

Events: Organisation of the Workshop on Deep Learning and Neural Approaches for Linguistic Data

Conferences and meetings: Actively participated at three project meetings and workshops and at 13 online meetings

5. Title: Language In The Human-Machine Era (LITHME)

Interdisciplinary Type of Research Project

Grant number: CA19102

Duration: 1 October 2020 – 31 October 2024

Total funding: € 3730 (100% from SAS sources)
Person in charge at the Institute: Lucia Molnár Satinská
Number of researchers in the Institute's team: 2
Coordinator: University of Jyväskylä, Finland
Number of participating institutions: 40
Institute's outputs in the project framework:
Publications: One press release
Conferences and meetings: Actively participated at six working group meetings: WG 3, WG 4 and WG 6, participated once at LITHME Summer School

EU PROJECTS

1. Title: European Language Equality

Interdisciplinary Type of Research Project

Grant number: LC-01641480-10101816

Duration: 1 January 2021 – June 2022

Total funding: € 7499 and € 2870 from SAS sources

Person in charge at the Institute: Radovan Garabík

Number of researchers in the Institute's team: 1

Coordinator: ADAPT Centre, Dublin City University, Ireland

Number of participating institutions: 53

Institute's results and outputs in the project framework:

- Survey of sources and tools for processing Slovak, survey of institutions and companies involved in computer treatment of Slovak
- Report on the strategic NLP and AI focus of the Slovak Republic.

2. Title: Curated Multilingual Language Resources for CEF.AT (Curlicat)

Interdisciplinary Type of Research Project

Grant number: INEA/CEF/ICT/A2019/1926831

Duration: 1 June 2020 – 31 May 2023

Total funding: € 60,311

Person in charge at the Institute: Radovan Garabík

Number of researchers in the Institute's team: 3

Coordinator: Hungarian Research Centre for Linguistics, Hungary

Number of participating institutions: 8

Institute's outputs in the project framework:

- Managing acquisitions of text from Greenie library, surveying possibilities of thesis usage
- Identification and drafting potential license variants
- Compilation of a corpus containing 13 million tokens and comprising a mixture of fiction, non-fiction and informative texts (to be used for training MT tools)

Publications: One scientific publication

Conferences and meetings: Actively participated at two online meetings

3. Title: Extending the e-learning offer with new materials for learning the Slovak language

Interdisciplinary Type of Research Project

Grant number: 2021-1-SK01-KA220-ADU-000035229

Duration: 1 November 2021 – 31 October 2024

Total funding: 0

Person in charge at the Institute: Radovan Garabík

Number of researchers in the Institute's team: 1

Coordinator: Edukacia@Internet, Slovakia

Number of participating institutions: 7

Description:

Development of an e-learning course, for the focus to be on developing teaching materials and the platform. Because events with learners are not an integral part of this kind of project, the only relevant events during its project life-cycle will be three multiplier events, to take place in Slovakia, France and Lithuania.

H2020 Projects

1. Title: European Lexicographic Infrastructure (ELEXIS)

Interdisciplinary Type of Research Project

Grant number: 731015

Duration: 1 January 2018 – 30 December 2021

Total funding: 0

Person in charge at the Institute: Vladimír Benko

Number of researchers in the Institute's team: 2

Coordinator: Jože Stefan Institute, Slovenia

Number of participating institutions: 17

Institute's outputs in the project framework:

- Management and integration of dictionary data for testing project's software tools

Conferences and meetings: Actively participated at two project meetings

2. Title: Multilingual Resources for CEF.AT in the legal domain (MARCELL)

Interdisciplinary Type of Research Project

Grant number: INEA/CEF/ICT/A2017/1565710

Duration: 1 October 2018 – 30 June 2021

Total funding: € 102,394.47

Person in charge at the Institute: Radovan Garabík

Number of researchers in the Institute's team: 2

Coordinator: Hungarian Research Centre for Linguistics, Hungary

Number of participating institutions: 8

Institute's outputs in the project framework:

- Compilation of a legal corpus (containing 43 million tokens) with linguistic processing chains (LPCs) including tokenisation, PoS/MSD-tagging, NERC, dependency parsing; classified with top-level EUROVOC descriptors and annotated with EUROVOC and IATE terms in texts. The corpus was updated three times and can be downloaded under the CCA-SA 4.0 International license.

- Creation of a portable Docker image for complex computer processing of Slovak, focusing on legislative texts

Publications: One scientific publication in English

Conferences and meetings: Actively participated at five project meetings

3. Title: European Language Grid

Interdisciplinary Type of Research Project

Grant number: 825627

Duration: 1 January 2019 – 31 December 2021

Total funding: 0

Person in charge at the Institute: Radovan Garabík

Number of researchers in the Institute's team: 1

Coordinator: Deutsches Forschungszentrum für Künstliche Intelligenz GmbH, Germany

Number of participating institutions: 10

Institute's outputs in the project framework:

- Survey of companies focusing on NLP (Natural Language Processing) and HLT (Human Language Technology) in Slovakia

Publications: One scientific publication published in English abroad and one press release

Events: Co-organisation of an online workshop – Computer Processing of Language in Slovakia

Conferences and meetings: Actively participated at four international (online) conferences and meetings

| International projects | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|---|------------------|-----------------|------------------|------------------|------------------|------------------|
| Number of projects | 3 | 2 | 2 | 2 | 2 | 4 |
| Total funding (including international SASPRO funding) | 61,732.89 | 4,567.78 | 74,252.58 | 40,568.37 | 37,904.25 | 43,086.19 |

| MVTS | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|----------------------|--------------|--------------|-----------------|--------------|---------------|---------------|
| Number of projects | 2 | 3 | 1 | 2 | 4 | 5 |
| Total funding | 7,000 | 5,513 | 4,312.05 | 8,543 | 10,607 | 12,198 |

2.4.3. Projects of the Slovak Research and Development Agency (APVV)

1. Title: The Slovak Language in the Context of Multilingual Communities in Slovakia

Grant number: APVV-0689-12

Duration: 1 October 2013 – 30 September 2017

Total funding: 0

Person in charge at the Institute: Lucia Molnár Satinská

Number of researchers in the Institute's team: 1

Coordinator: Faculty of Arts, Comenius University in Bratislava

Number of participating institutions: 4

Institute's outputs in the project framework:

Publications: Three scientific publications (one published in English and abroad)

Conferences: Actively participated at international conferences

2. Title: Language and Communication Problems in Slovakia and Their Management

Grant number: APVV-17-0254

Duration: 1 July 2018 – 30 June 2022

Total funding: € 10,882 (€ 1366, € 3392, € 3062, € 3062)

Person in charge at the Institute: Lucia Molnár Satinská

Number of researchers in the Institute's team: 1

Coordinator: Faculty of Arts, Comenius University of Bratislava

Number of participating institutions: 4

Institute's outputs in the project framework:

- Prepared a monograph: *Maďarčina v Bratislave: príbeh jazyka* [Hungarian in Bratislava: the story of a language]

Publications: One scientific publication

Conferences: Actively participated at two international conferences

3. Title: Linguistic Mistakes in Slovak as a Foreign Language, Based on the Acquisition Corpus

Interdisciplinary Type of Research Project

Grant number: APVV-19-0155

Duration: 1 January 2020 – 31 December 2024

Total funding: €20,067 (€10,726, €9,341)

Person in charge at the Institute: Katarína Gajdošová

Number of researchers in the team: 3

Coordinator: Faculty of Arts, Comenius University of Bratislava

Number of participating institutions: 5

Institute's partial results and outputs in project framework:

- Gathering and processing text material for the pilot version of the acquisition corpus together with external information about the text and its author (altogether 1,028 texts in 2020–2021)
- Annotation of texts with a specific tagset (containing more than 50 tags) with validation
- Creation of the pilot version of the corpus (lemmatised and morphologically annotated, 137,000 tokens) comprising 507 source texts in 30 different mother tongues written by students

Events: Workshop for project partners focusing on the usage of the pilot version of the acquisition corpus

4. Title: Digital Collection of Slovak Prose (DISPRO)**Interdisciplinary Type of Research Project**

Grant number: APVV-20-0414

Duration: 1 July 2021 – 30 June 2025

Total funding: € 3022

Chief investigator: Marek Debnár

Number of researchers in the team: 3

Coordinator: Centre of Digital Humanities, Faculty of Arts, Constantine the Philosopher University in Nitra

Number of participating institutions: 3

Description:

Focusing on applied interdisciplinary research in digital humanities, the project sought to create an online accessible and comprehensively annotated full-text digital collection of Slovak prose before 1951 (complying with copyright and GDPR rules). The collection will be processed and annotated according to European standards (ELTeC) so that it can be applied to advanced methods of computer processing of literary texts, generally referred to as "distant reading". The project also includes the education of scholars and the general public in the use of the digital collection of Slovak prose, and dissemination of scientific methods based on distant reading to the wider range of humanities.

The main applied outputs of the project are an online digital collection of Slovak prose before 1951, an interactive web portal, user guides, and a series of educational workshops.

| | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|--------------------|------|------|-------|-------|--------|--------|
| Number of projects | 0 | 0 | 1 | 1 | 2 | 3 |
| Total funding | 0 | 0 | 1,366 | 3,392 | 13,788 | 15,425 |

2.4.4. List of Projects of the Scientific Grant Agency of the Slovak Academy of Sciences and the Ministry of Education (VEGA)**1. Title: Research of Lexis of Slovak Anonymyms**

Grant number: 2/0002/14

Duration: 1 January 2014 – 31 December 2016

Total funding: € 9545 (€ 454 from SAS sources)

Chief investigator: Iveta Valentová

Number of researchers in the team: 3

Coordinator: Ľudovít Štúr Institute of Linguistics, Slovak Academy of Sciences

Results and outputs:

- Creation of an anonymym database
- Digitalisation of anonymyms with compilation and editing of "A" entries and a part of B entries (overall 1851 digital forms and 363 entries)

Publications: 19 scientific publications (12 out of them published abroad and 2 in English)

Conferences and meetings: Actively participated at six international conferences, three Slovak scientific events and the meeting of the West Slavic Terminology Committees

2. Title: Dictionary of Contemporary Slovak Language – 5th Stage (compilation, unification and editing of dictionary entries and related lexicological and lexicographical research)

Grant number: 2/0015/14

Duration: 1 January 2014 – 31 December 2016

Total funding: € 66,800 (€ 1912 from SAS sources)

Chief investigator: Nicol Janočková

Number of researchers in the team: 17

Coordinator: Ľudovít Štúr Institute of Linguistics, Slovak Academy of Sciences

Results and outputs:

- Preparation and publication of the 3rd volume of the *Slovník súčasného slovenského jazyka (Dictionary of Contemporary Slovak Language)* (M–N, 2015), comprising 16,815 entries, 4,654 phraseological units and idioms and the basic terminology from 83 scientific domains

- Compilation of 7,189 P entries for the 4th volume and internal editing of 7,407 entries

- Compilation of the online *Orthographical-Grammatical Dictionary of Slovak* (OGDS, 2016; <https://lex.juls.savba.sk/>) that includes approximately 131,885 entries (featuring part of speech and grammar information and validated by scientific editing)

Publications: 33 scientific publications (17 of them published abroad and in foreign languages)

Conferences and meetings: Actively participated at five international conferences, five Slovak conferences, one summer school, one meeting of the Lexicological-lexicographical Commission of the International Committee of Slavists, and one meeting of the Commission of Slavic Derivatology of the International Committee of Slavists

3. Title: Slavic Linguistic Atlas – a Reflection of the Natural Evolution of Language

Grant number: 2/0104/14

Duration: 1 January 2014 – 31 December 2017

Total funding: € 10,098

Chief investigator: Adriana Ferenčíková

Number of researchers in the team in the Institute: 3

Coordinator: Ľudovít Štúr Institute of Linguistics, Slovak Academy of Sciences

Number of participating institutions: 2

Results and outputs:

- Preparation and creation of two maps for the 14th volume of *Personal Features*, a lexical and derivational series

- Revision of Slovak data and their cartographic processing on 57 maps for in the 11th volume of *Family Relations*, a lexical and derivational series

- Revision of Slovak data and their cartographic processing on 77 maps in the 9th volume of *Reflexes *tort, *tolt, *tert, *telt*, a phonetical and grammar series

- Preparation of Slovak research material for the 13th volume of *Mountain Sheep-farming*, a lexical and derivational series

Events: Co-organisation of a working session of the International Committee and the International Working Group of the Slavic Linguistic Atlas in Slovakia (Častá-Papiernička; 55 participants, 2017)

Publications: 29 scientific publications (6 of them published in foreign languages and 11 abroad)

Conferences and meetings: Actively participated at ten regular sessions of the International Committee of the Slavic Linguistic Atlas

4. Title: Analysis of New Approaches in the Development of Contemporary Slovak Emphasizing User Perspective

Grant number: 2/0125/2014

Duration: 1 January 2014 – 31 December 2017

Total funding: € 13,588 (€273 from SAS sources)

Chief investigator: Ingrid Hrubaničová

Number of researchers in the team: 10

Coordinator: Ľudovít Štúr Institute of Linguistics, Slovak Academy of Sciences

Results and outputs:

- Analysis of letter and mail archives of the language advisory service department from 2005– 2015 and output of the online language advisory service from 2014–2017 (target topics: declension (variation/competition of some case suffixes in specific noun groups), hesitance with pluralia tantum in nouns, perception of the category of animacy, declension of Czech local names in Slovak, corpus-based efficacy of the transcription rule in historical Hungarian surnames, some tendencies in declension of foreign surnames and their orthography)

Events: Organisation of the scientific conference *Jazykové problémy, ktorých riešenie sa ťažko hľadá* (*Language Issues Whose Solutions Are Hard to Find*)

Publications: 14 scientific publications

Conferences: Actively participated at a Slovak conference

5. Title: Dictionary of Slovak Dialects

Grant number: 2/0105/14

Duration: 1 January 2014 – 31 December 2017

Total funding: € 31,578 (€ 6678 from SAS sources)

Chief investigator: Miloslav Smatana

Number of researchers in the team: 11

Coordinator: Ľudovít Štúr Institute of Linguistics, Slovak Academy of Sciences

Results and outputs:

- Compilation of the 3rd volume of a dictionary covering the letters P–R

- Development of a database of dialect full-texts used also as source material for dictionary entries

- Digitisation of dialect transcriptions from dialectological archives

Events: Co-organising the working session of the International Committee and the International Working Group of the Slavic Linguistic Atlas in Častá-Papiernička (55 participants, 2017)

Publications: 65 scientific publications (two of them published abroad and one in a foreign language)

Conferences and meetings: Actively participated at six (international) conferences

6. Title: Language in the Social Culture

Grant number: 2/0011/15

Duration: 1 January 2015 – 31 December 2017

Total funding: € 7391 (€68 from SAS sources)

Chief investigator: Juraj Dolník

Number of researchers in the Institute's team: 3

Coordinator: Ľudovít Štúr Institute of Linguistics, Slovak Academy of Sciences

Number of participating institutions: 2

Results and outputs:

- Description and explanation of the phenomenon of social strangeness emerging in the society and undergoing the process of pragmatism

- Development of the concept of social culture, communication culture and social strangeness

- Monograph *Jazyk v sociálnej kultúre* [*Language in Social Culture*] (2017)

Publications: 19 scientific publications (two of them published in a foreign language and three abroad)

Conferences: Actively participated at four Slovak conferences

7. Title: Analysis of Terminology Work of Ján Horecký as an Inspiration for the Terminology Management of the 21st Century in Slovakia

Grant number: 2/0114/15

Duration: 1 January 2015 – 31 December 2017

Total funding: € 8986

Chief investigator: Jana Levická

Number of researchers in the team: 4

Coordinator: Ľudovít Štúr Institute of Linguistics, Slovak Academy of Sciences

Results and outputs:

- Creation of a web portal centralising terminology information in Slovakia including the already existing Slovak Terminology Database, a list of more than 400 monolingual, bilingual or multilingual Slovak terminology dictionaries as well as full-versions of 22 terminology dictionaries published in 1952–1964. The web portal also offers archives of two terminology journals: *Československý terminologický časopis* and *Slovenské odborné názvoslovie*, a list of terminology commissions in Slovakia and links of on-line dictionaries and databases available in Slovakia and abroad including to terminology centres, portals and associations
- Creation of a database of terminology papers by Ján Horecký, presenting altogether 1,418 studies, lectures, reviews, reports and short advisory texts focusing on terminology

Events: Co-organisation of SLOVKO 2017, an international conference

Publications: Six scientific publications (three of them published in English and two abroad)

Conferences: Two invited lectures, actively participated in three (international) conferences

8. Title: Metamorphoses of Language and Linguistics through the Eyes of Slovak Linguists

Grant number: 2/0118/15

Duration: 1 January 2015 – 31 December 2018

Total funding: € 4814

Chief investigator: Jana Wachtarczyková

Number of researchers in the team: 4

Coordinator: Ľudovít Štúr Institute of Linguistics, Slovak Academy of Sciences

Number of participating institutions: 2

Results and outputs:

- *Očami slovenských jazykovedcov (Through the Eyes of Slovak Linguists)*, a monograph containing 14 interviews with Slovak linguists (onomasticians, dialectologists, social linguists, lexicographers)

Publications: One scientific publication

9. Title: The Linguistic Norm and the Process of its Codification

Grant number: 2/0182/15

Duration: 1 January 2015 – 31 December 2018

Total funding: € 36,634 (€ 5987, € 6794, € 14,586)

Chief investigator: Slavomír Ondrejovič

Number of researchers in the team: 12

Coordinator: Ľudovít Štúr Institute of Linguistics, Slovak Academy of Sciences

Results and outputs:

- Development and establishment of a new interpretative framework, presented in *Aktuálne otázky slovenského jazyka (Current Issues in the Slovak Language)* and based on a real language standard for classifying and evaluating ongoing changes in language and its communication spheres

Publications: Seven scientific publications

Conferences: Actively participated at eleven (international) conferences

10. Title: ETYMO – Etymological Database of the Slovak Lexicon (1st Stage)

Grant number: 2/0136/16

Duration: 1 January 2016 – 31 December 2018

Total funding: € 8221 (€ 3331, € 2482, € 2408)

Chief investigator: Ľubor Králik

Number of researchers in the team: 2

Coordinator: Ľudovít Štúr Institute of Linguistics, Slovak Academy of Sciences

Results and outputs:

- Completing Stage 1 in the creation of an etymological database of Slovak lexicon, freely accessible at the Ľ. Štúr Institute of Linguistics website. The database includes

etymological information about roughly 700 lexical items (letter “A”) of the contemporary literary language, including older Slovak and Slovak dialects
Publications: 14 scientific publications (six published abroad and 4 in foreign languages)
Conferences: Actively participated at two international conferences

11. Title: Research of Lexis of Slovak Anoikonyms – 2nd Phase

Grant number: 2/0021/17

Duration: 1 January 2017 – 31 December 2019

Total funding: € 13,900 (€ 870 from SAS sources)

Chief investigator: Iveta Valentová

Number of researchers in the team: 4

Coordinator: Ľudovít Štúr Institute of Linguistics, Slovak Academy of Sciences

Number of participating institutions: 2

Results and outputs:

- Creation of 11,613 digital forms containing the characteristics of anoikonymic lexicon and 1,525 dictionary entries with the initial letter “A”;
- Creation of excerpts focusing on anoikonyms from theses and monograph by D. Choluž *Onomastika Kysúc (Onomastics of Kysuce)*.
- Creation of a web portal *Lexika slovenských terénnych názvov* (Lexicon of Slovak Anoikonyms) (<https://lstn.juls.savba.sk/>) that offers basic information on the e-dictionary and its design, two versions of entries and territorial distribution for each entry presented from maps of districts in Slovakia
- Publication of *Lexika slovenských terénnych názvov* (Lexicon of Slovak Anoikonyms), a monograph

Publications: 20 scientific publications (three published in a foreign language and ten abroad)

Conferences: Actively participated at seven international conferences, one Slovak conference and one lecture at an international university

12. Title: Dictionary of Contemporary Slovak Language – 6th Stage (compilation, unification and editing of dictionary entries and related lexicological and lexicographical research)

Grant number: 2/0017/17

Duration: 1 January 2017 – 31 December 2020

Total funding: € 84,783 (€ 19,256, € 19,309, € 24,877, € 21,341)

Chief investigator: Nicol Janočková

Number of researchers in the team: 21

Coordinator: Ľudovít Štúr Institute of Linguistics, Slovak Academy of Sciences

Results and outputs:

- Finalisation of the 4th volume of *Slovník súčasného slovenského jazyka (Dictionary of Contemporary Slovak Language)* including technical, internal and scientific editing, validation of terminology and review
- Compilation of approximately 6,000 entries from the 5th volume including internal editing of more than 1,300 entries
- Scientific editing, proofreading and upgrading of the online *Ortograficko-gramatický slovník slovenčiny (Orthographic and Grammar Dictionary of Slovak)*
- Creation of LexiCorp, an internal lexicographical source
- Upgrading of ARANEA and Omnia Slovacca III Maior corpora

Events: Organisation of an international conference *Pomenúvanie ako odraz komunikačných potrieb (Denomination as a reflection of communication needs)* in Bratislava on 4 December 2018)

Publications: 58 scientific publications (18 published abroad and 20 in foreign languages)

Conferences: Actively participated at 23 international conferences, 6 conferences in Slovakia ones, and one lecture in a lecture programme for the *Association of Slovak Linguists*.

13. Title: Slavic Linguistic Atlas – the Reflection of the Natural Development of Language

Grant number: 2/0101/18

Duration: 1 January 2018 – 31 December 2021

Total funding: € 5929 (€ 1554, € 1337, € 1519, € 1519)

Chief investigator: Martin Chochol

Number of researchers in the Institute's team: 3

Coordinator: Ľudovít Štúr Institute of Linguistics, Slovak Academy of Sciences

Number of participating institutions: 2

Results and outputs:

- Finalisation of particular maps for the volume of SLA Declension of Nouns, a phonetic and grammatical

- Contribution by authors and editing work on another three volumes in the SLA phonetic and grammatical series and on five volumes in the SLA lexical and derivational series

- Digitisation and scientific editing of field data from Slovakia concerning 1,422 phenomena analysed according to the SLA Questionnaire

Events: Co-organisation of the international scientific conference *Slovanské nárečia v čase a priestore* (Bratislava, 5 February 2020)

Publications: 21 scientific publications (two published in a foreign language and 12 abroad)

Conference and meetings: actively participated at 14 committee sessions and working group meetings

14. Title: Dictionary of Slovak Dialects

Grant number: 2/0126/18

Duration: 1 January 2018 – 31 December 2021

Total funding: € 38,587 (€11,467 from SAS sources)

Chief investigator: Miloslav Smatana

Number of researchers in the team: 8

Coordinator: Ľudovít Štúr Institute of Linguistics, Slovak Academy of Sciences

Results and outputs:

- Compilation of 986 entries, finalisation and publishing of the 3rd volume of the dictionary covering the letters P–R, validated by technical, internal and scientific editing

- Development of a dialect full-text database that serves also as source material for dictionary entries

Publications: 3rd volume of the *Dictionary of Slovak Dialects III. P(poza) – R.* (2021. 816 p. – cf. 2.1.8)

62 scientific publications (seven of them published in English and five abroad)

Conferences: actively participated in four conferences

15. Title: ETYMO – Etymological Database of the Slovak Lexicon (2st Stage) and Related Etymological Research

Grant number: 2/0103/19

Duration: 1 January 2019 – 31 December 2022

Total funding: € 9303 (€ 1946, € 3665, € 3692)

Chief investigator: Ľubor Králik

Number of researchers in the team: 1

Coordinator: Ľudovít Štúr Institute of Linguistics, Slovak Academy of Sciences

Partial results and outputs:

- Scientific monograph *Etymológia a nárečová lexikografia (Etymology and Dialectal Lexicography)* based on data in *Slovník slovenských nárečí (Dictionary of Slovak Dialects)* published in 2020

- Revision of etymological phenomena in entries from the 4th volume of *Slovník súčasného slovenského jazyka (Dictionary of Contemporary Slovak Language)* (published in 2021)

- Revision of etymological phenomena in the 9th volume of *Encyclopaedia Beliana* (published in 2021)

- Consulting in the field of etymology for the 3rd volume of *Slovník slovenských nářečí* (*Dictionary of Slovak Dialects*) published in 2021 and *Slavic Linguistic Atlas* (lexical and word-formation series, pending volumes)

- Preparation of the 2nd, corrected edition of *Stručný etymologický slovník slovenčiny* (*The Concise Etymological Dictionary of Slovak*, published in 2019)

Publications: 16 scientific publications (four of them published abroad and four in a foreign language)

Conferences: Actively participated at five international conferences

16. Title: Discriminative Instrumentation of Language

Grant number: 2/0014/19

Duration: 1 January 2019 – 31 December 2022

Total funding: € 28,203 (€ 9730, € 8782, € 9691)

Chief investigator: Slavomír Ondrejovič/Lucia Molnár Satinská

Number of researchers in the team: 7

Coordinator: Ľudovít Štúr Institute of Linguistics, Slovak Academy of Sciences

Partial results and outputs:

Events: organisation of *Instruments for Creating Social Reality: Language – Discrimination – Society*, an international conference

Publications: Eight scientific publications (one published abroad)

Conferences: Actively participated at six international conferences

17. Title: Historical Phonology of the Slovak Language

Grant number: 2/0119/20

Duration: 1 January 2020 – 31 December 2023

Total funding: € 2854 (€ 1008, € 1846)

Chief investigator: Siniša Habijanec

Number of researchers in the team: 1

Coordinator: Ľudovít Štúr Institute of Linguistics, Slovak Academy of Sciences

Partial results and outputs:

- Excerpts of historical and dialect sources, current monographic works and periodicals published in Slovak and Slavic diachronic phonology, theory of historical linguistics and comparative-historical linguistics of Slavic languages

- Analysis of excerpted data and comparison with existing publications devoted to the phonological development of Slovak

- Development of new concept of the development of the Slovak language

Publications: Four scientific publications (one published abroad and in a foreign language)

18. Title: Slovak Orthography and Its Rules in the Context of Contemporary Linguistic Theory and Praxis

Grant number: 2/0133/20

Duration: 1 January 2020 – 31 December 2023

Total funding: € 21,385 (€ 10,906, € 10,479)

Chief investigator: Mária Šimková/Gabriela Múcsková

Number of researchers in the team: 10

Coordinator: Ľudovít Štúr Institute of Linguistics, Slovak Academy of Sciences

Number of participating institutions: 1

Partial results and outputs:

- Identification of current orthography problems focusing especially on the issue of capital letters in various proper names

- Collective monograph *Slovenčina na každý deň* (*Slovak for Everyday Usage*) of both scientific and dissemination nature

- Creation of a database containing problem phenomena (from questions sent to a counselling service and Facebook page titled *Jazyková poradňa ASAP*) and appropriate current examples

Publications: Eight scientific publications

19. Title: Lexis of the Slovak Anoikonyms

Grant number: 2/0019/20

Duration: 1 January 2020 – 31 December 2023

Total funding: € 7426

Chief investigator: Iveta Valentová

Number of researchers in the team: 3

Coordinator: Ľudovít Štúr Institute of Linguistics, Slovak Academy of Sciences

Number of participating institutions: 1

Partial results and outputs:

- Compilation of 848 entries for *Lexika slovenských terénnych názvov (Lexicon of Slovak Anoikonyms)* and 5,224 digital entries based primarily on card indexes of Slovak anoikonyms ("B" entries in particular)

- Validation of 1,132 entries validated by internal and scientific editing

Publications: 16 scientific publications, two dissemination papers, one publication of an authentic historical manuscript

Conferences and meetings: Active participated at three international conferences and at a meeting of the International Commission from the group working on the Slavic Linguistic Atlas

20. Title: Dictionary of Contemporary Slovak Language – 7th Stage (compilation, unification and editing of dictionary entries and related lexicological and lexicographical research)

Grant number: 2/0016/21

Duration: 1 January 2021 – 31 December 2024

Total funding: € 25,841

Chief investigator: Nicol Janočková

Number of researchers in the team: 18

Coordinator: Ľudovít Štúr Institute of Linguistics, Slovak Academy of Sciences

Number of participating institutions: 0

Partial results and outputs:

- Publication of the 4th volume of *Slovník súčasného slovenského jazyka (Dictionary of Contemporary Slovak Language, O–Pn, 2015)*, comprising 15,329 entries, 3,083 phraseological units and idioms, and the basic terminology from 100 scientific domains

VEGA projects not coordinated by the Ľudovít Štúr Institute of Linguistics, Slovak Academy of Sciences

1. Title: Valency of Verbs in Contrast

Grant number: 1/0084/14

Duration: 1 January 2014 – 31 December 2016

Total funding: 0

Person in charge at the Institute: Katarína Gajdošová

Number of researchers in the Institute's team: 1

Coordinator: Faculty of Arts, Matej Bel University in Banská Bystrica

Number of participating institutions: 2

Institute's results and outputs in the project framework:

- Creation of a comparable corpus – lemonde2011 (lemmatised and morphologically annotated)

- Creation of a comparable corpus – SME2011 (lemmatised and morphologically annotated)

- Processing corpus statistical data for the project partner

- Corpus consultations and individual practical workshops for all project members

- Preparing methodological parts of the valency dictionary concerning the description of both corpora, their annotation and search possibilities

2. Title: Lingual-communication Behaviour of Slovak Youth in Croatia and in Serbia, in Situational Context of Intra-ethnic Utilization of Spoken Slovak Language Interdisciplinary Type of Research Project

Grant number: 2/0035/14
Duration: 1 January 2014 – 31 December 2016
Total funding: € 6500
Person in charge at the Institute: Slavomír Ondrejovič
Number of researchers in the Institute's team: 1
Coordinator: Institute of Social Sciences, Slovak Academy of Sciences, Košice
Number of participating institutions: 2
Institute's results and outputs in the project framework:
Publications: Two scientific publications

3. Title: Exolingual Communication in Corpus Processing

Grant number: 1/0020/18
Duration: 1 January 2018 – 31 December 2020
Total funding: € 1495 (€ 485, € 523, € 487)
Person in charge at the Institute: Katarína Gajdošová
Number of researchers in the team: 1
Coordinator: Faculty of Arts, Matej Bel University in Banská Bystrica
Number of participating institutions: 2
Institute's results and outputs in the project framework:
- Annotation of recorded language data
- Creation of the beta version of the Slovak-French corpus of spoken utterances recorded in mixed Slovak-French groups of speakers and annotated with a specific tagset
Publications: One scientific publication

4. Title: Minority Variety of the Hungarian Language in Slovakia

Grant number: 1/0170/18
Duration: 1 January 2018 – 31 December 2020
Total funding: € 673
Person in charge at the Institute: Lucia Molnár Satinská
Number of researchers in the team: 1
Coordinator: Faculty of Central European Studies, Constantine the Philosopher University in Nitra
Number of participating institutions: 2
Institute's results and outputs in the project framework:
- Special issue of the journal *Jazykovedný časopis*
Publications: Two scientific publications

5. Title: Synchronous Models and Modelling of Chrematonyms

Grant number: 1/0040/19
Duration: 1 January 2019 – 31 December 2022
Total funding: € 2883 (€ 1017, € 943, € 923)
Person in charge at the Institute: Natália Kolenčíková
Number of researchers in the Institute's team: 1
Coordinator: Department of Slovak Language and Communication, Faculty of Arts, Matej Bel University in Banská Bystrica
Number of participating institutions: 2
Institute's partial results and outputs in the project framework:
- Development of several models: proper names of institutions managed by the Ministry of Culture of the Slovak Republic, proper names of political parties, proper names of vodkas and perfumes
Publications: Four scientific publications (one of them published in English and two abroad)
Conferences: Actively participated at three international conferences

6. Title: Theory and Terminological System of the Slovak Onomastics (on the Context of Slavic and International Onomastic Terminology)

Grant number: 1/0058/20
Duration: 1 January 2020 – 31 December 2023

Total funding: € 2644

Chief investigator: Iveta Valentová

Number of researchers in the Institute's team: 3

Coordinator: Faculty of Education, Trnava University

Number of participating institutions: 3

Institute's partial results and outputs in the project framework:

- Compilation of 110 entries (terms from anthroponomastics and theory of onomastics) with Czech and English equivalents for the database and monograph
- Compilation of 92 entries for the Slovak version of key onomastic terms published at the website of the International Council of Onomastic Sciences (ICOS)
- Development of a design for the ONOMTERM database to gather and present international onomastic terminology and the concept of terminology processing through this database for the ICOS terminology group

Publications: Nine scientific publications

Conferences: Actively participated at a Slovak conference

| | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|----------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Number of projects | 10 | 10 | 8 | 9 | 12 | 8 |
| Total funding | 54,804 | 53,457 | 45,020 | 57,173 | 62,257 | 69,602 |

2.4.5. List of projects supported by EU Structural Funds

2.4.6. List of other projects funded from national resources

Title: Building and Developing the Slovak National Corpus Interdisciplinary Research Project

Grant number: 0372/2012 (pursuant to Contract No 03723/2012 concluded with the Ministry of Culture, Ministry of Education, Science, Research and Sport and the Slovak Academy of Sciences)

Duration: 1 January 2012 – 31 December 2016

Total funding: €1,182,521 (€ 582,251 from SAS sources)

Chief investigator: Mária Šimková

Number of researchers in the team: 11

Coordinator: Ľudovít Štúr Institute of Linguistics, Slovak Academy of Sciences

Results and outputs:

- Two new versions of the primary corpus: prim-6.0 and its subcorpora and prim-7.0 and its subcorpora, both with improved conversion and morphological annotation
- New versions of the web corpus: web-2.0 and web-3.0
- Two new versions of the Slovak-English parallel corpus, new version of the Slovak-Czech parallel corpus, new version of the Slovak-French parallel corpus, new version of the Slovak-Bulgarian parallel corpus, new version of the Slovak-Hungarian parallel corpus, new version of the Slovak-German parallel corpus, new version of the Slovak-Russian parallel corpus
- New Slovak-Latin parallel corpus lemmatised and morphologically annotated
- Pilot version of the Slovak-Hungarian parallel corpus that is lemmatised and morphologically annotated
- New Slovak-German parallel corpus lemmatised and morphologically annotated
- Two new corpora of texts written before 1955: r864az1843-1.0 and r1943az1954-1.0
- New version of the specialised corpus for religious texts
- Creation and updating of the specialised corpus for economic texts
- New specialised corpus of copyrighting texts

- New specialised corpus comprising texts from the domain of humanities
- New specialised corpus comprising texts of judicial decisions
- New version of the specialised corpus comprising legal texts
- Two new versions of the manually morphologically annotated corpus
- Two new versions of the Corpus of Spoken Slovak
- Creation and two updates of the Corpus of Historical Slovak
- Creation and two updates of the Corpus of Dialects
- Creation and one update of the wiki corpus in 2015 and 2016 (the last amounting to 43 million tokens), all lemmatised and morphologically annotated
- Six published books and collections of papers: *Slovenský jazyk v digitálnom veku – The Slovak Language in the Digital Age* (2012), *Natural Language Processing, Corpus Linguistics and E-learning. SLOVKO 2013*, *Aktuálne otázky terminológie marketingu [Current Issues of Marketing Terminology]* (2014), *Jazykovedné štúdie XXXI. Rozvoj jazykových technológií a zdrojov na Slovensku a vo svete (10 rokov Slovenského národného korpusu) [Linguistic Studies XXXI. Development of Language Technologies and Resources in Slovakia and Abroad (10th anniversary of the Slovak National Corpus)]* (2014), *Natural Language Processing, Corpus Linguistics, Lexicography. SLOVKO 2015*, *Skloňovanie podstatných mien v slovenčine s korpusovými príkladmi [Declension of Nouns in Slovak with Corpus Examples]* (2016)
- Revision and updating of the Slovak Terminology Database: 1528 term records created (partly in the domain of mass media) and 4000 updated
- Preparation and organising of 76 practical workshops and presentations for corpus users attended by a total 859 participants
- Digitised almost 100,000 book pages to be processed further for different corpora
- Events:** organisation of SLOVKO in 2013 and 2015, an international conference bringing together a total of 119 participants from 11 countries plus Slovakia
- Publications:** 80 scientific publications (18 published abroad and 15 in a foreign language)
- Conferences:** Actively participated at 35 (international) conferences

Title: Building and Development of the Slovak National Corpus Interdisciplinary Research Project

Grant number: 0323/2017 (pursuant to Contract No 0323/2017 concluded with the Ministry of Culture, Ministry of Education, Science, Research and Sport, Slovak Academy of Sciences and Ľudovít Štúr Institute of Linguistics, Slovak Academy of Sciences)

Duration: 1 January 2017 – 31 December 2021

Total funding: € 1,559,243 (€ 809,243 from SAS sources)

Chief investigator: Mária Šimková/Jana Levická

Number of researchers in the team: 11

Coordinator: Ľudovít Štúr Institute of Linguistics, Slovak Academy of Sciences

Results and outputs:

- Two new versions of the primary corpus: prim-8.0 and its sub-corpora and prim-9.0 and its sub-corpora with improved conversion of texts, segmentation, tokenisation, lemmatisation, external annotation and morphological annotation
- Two new versions of the web corpus with improved lemmatisation and morphological annotation
- New version of the Slovak-Latin parallel corpus and new version of the Slovak-Czech parallel corpus
- New Slovak-Polish parallel corpus (lemmatised and morphologically annotated)
- New Slovak-Spanish parallel corpus (lemmatised and morphologically annotated)
- New Slovak-Romanian parallel corpus (lemmatised and morphologically annotated)
- New corpus of government texts and its update (lemmatised and morphologically annotated)
- New specialised corpus of judicial decisions (od-justice-1.0 containing more than 4 billion tokens, 2019) was compiled from the data provided by the Ministry of Justice of the Slovak Republic

- New reference corpus compiled from the texts of the prim-7.0-public-all according to special criteria - two new versions of the Corpus of Spoken Slovak
 - Two new versions of the Corpus of Historical Slovak
 - New version of the Corpus of Dialects
 - Three versions of the wiki corpus in 2017, 2018 and 2019 (lemmatised and morphologically annotated)
 - Creation of archives of dialect recordings and two updates (increase from the original 100 recordings to 333 recordings in the third version)
 - Development and implementation of semantic annotation of corpora including development and training of a model for automatic recognition of naming entities using NameTag 1
 - Eight monographs and dictionaries published: *Slovník kolokácií prídavných mien v slovenčine [Dictionary of Adjective Collocations in Slovak] (2017)*, *Slovenský národný korpus. Texty, anotácie, vyhľadávania [Slovak National Corpus: Texts, annotations and searches] (2017)*, *Frekvenčný slovník slovenčiny na báze Slovenského národného korpusu [Frequency Dictionary of Slovak Based on the Slovak National Corpus] (2017)*, *Retrográdny slovník súčasnej slovenčiny – slovné tvary na báze Slovenského národného korpusu [Revised Dictionary of Contemporary Slovak. Word Forms Based on the Slovak National Corpus] (2018)*, *Frekvenčný slovník hovorenej slovenčiny na báze Slovenského hovoreného korpusu [Frequency Dictionary of Spoken Slovak Based on the Slovak National Corpus] (2018)*, *Človek a jeho jazyk 4. Terminologické inšpirácie profesora Jána Horeckého [Man and His Language 4. Selected Terminological Papers of J. Horecký] (2019)*, *Dynamické javy v súčasnej slovenčine a jej výskume [Dynamic Phenomena in Contemporary Slovak and its Research] (2018)*, *Slovenský národný korpus. Používanie, príklady, postupy [Slovak National Corpus: usage, examples, steps] (2020)*,
 - Revision and modification of the Slovak Terminology Database's software platform together with compilation of new term records and updating of old records, with almost 8500 new term records created and more than 10,000 records updated in 23 domains
 - Organisation of SLOVKO in 2017, 2019 and 2021, an international conference bringing together a total of almost 200 participants from 15 countries plus Slovakia. The team edited and published papers and presentations in English in special issues of the scholarly journal *Jazykovedný časopis*
 - Preparation and organisation of 45 practical workshops for corpus users attended in total by almost 800 participants
- Publications:** 145 scientific publications (12 published abroad and 26 in a foreign language)
- Conferences:** Actively participated at 39 international conferences

| | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|--|----------------|----------------|----------------|----------------|----------------|----------------|
| Funding from Ministry of Education, Science, Research and Sports of SR and Ministry of Culture of SR | 120,000 | 150,000 | 150,000 | 150,000 | 150,000 | 150,000 |
| from SAS sources | 120,473 | 178,194 | 176,002 | 199,994 | 214,367 | 215,568 |
| Total funding | 240,473 | 328,194 | 326,002 | 349,644 | 364,367 | 365,568 |

Inter-academic mobility programmes

1. Title: Slavic Linguistic Atlas

Duration: 1 January 2006 – 31 December 2021

Chief investigator: Adriana Ferencíková/Martin Chochol

Coordinator: Commission for the Slavic Linguistic Atlas at the International Committee of Slavists

Number of participating institutions: 13
Total funding:

2. Title: The Agreement on Co-operation between the Ľudovít Štúr Linguistics Institute of the Slovak Academy of Sciences and the Research Centre of Areal Linguistics at the Macedonian Academy of Sciences in Skopje

Duration: 1 January 2012 – 31 December 2016

Chief investigator: Ľubor Králik

Coordinator: Ľudovít Štúr Institute of Linguistics

Number of participating institutions: 2

3. Title: Early 21st century Globalisation and Domestication Processes in Slavic Languages

Duration: 1 January 2016 – 31 December 2018

Chief investigator: Jana Wachtarzyková

Coordinator: Ľudovít Štúr Institute of Linguistics

Number of participating institutions: 2

4. Title: Computer-assisted Approaches to Lexicography for Slovak and Bulgarian Dictionaries and Reference Sources

Duration: 1 January 2015 – 31 December 2017

Chief investigator: Mária Šimková

Coordinator: Ľudovít Štúr Institute of Linguistics

Number of participating institutions: 2

5. Title: IT-based Analyses of Bulgarian-Slovak/Slovak-Bulgarian Lexical Data

Duration: 1 January 2018 – 31 December 2020

Chief investigator: Mária Šimková

Coordinator: Ľudovít Štúr Institute of Linguistics

Number of participating institutions: 2

6. Title: New Qualities and Values in Current Slavonic Languages

Duration: 1 January 2019 – 31 December 2022

Chief investigator: Jana Wachtarzyková

Coordinator: Instytut Slawistyki PAN, Poland

Number of participating institutions: 2

7. Title: New Words, New Media, New Social and Language Tendency in Serbia and Slovakia

Duration: 1 January 2021 – 31 December 2022

Chief investigator: Jana Wachtarzyková

Coordinator: Institute of Serbian Language, Serbia

Number of participating institutions: 2

Total funding: €1500

| | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|--------------------|------|------|------|------|------|-------|
| Number of projects | 3 | 3 | 3 | 3 | 3 | 3 |
| Total funding | 0 | 0 | 0 | 0 | 0 | 1,500 |

2.4.7. List of projects funded from private funds

2.4.8. List of projects funded from other competitive funds

2.5. PhD studies and educational activities

2.5.1. List of accredited programmes of doctoral studies, period of validity, source of funding

Accredited programme: Study for a PhD degree could be completed at the Institute's sole study programme – Slovak Language, between 2016 and 2019 within the field of study Slovak Language and Literature 2.1.27 and since 2019 within Philology.

Validity: The Ľudovít Štúr Institute of Linguistics, Slovak Academy of Sciences developed PhD studies during the assessment period in the position of an external educational institution cooperating with the Faculty of Arts of Comenius University in Bratislava. This cooperation is currently governed by a framework agreement between the Faculty and the Institute for a Slovak language doctoral study programme that was concluded in 2019 with no expiration date.

Funding: Section 54 of the Act on Universities and Higher Education (No 131/2002) and the framework agreement provide for the Institute to give doctoral students scholarships from its own financial resources, which have been obtained due to its approved accreditation from an appropriation in the Slovak Academy of Sciences' budget. Costs associated with the administration and organisation of the course and completion of studies (salaries to be paid to assessors and thesis reviewers, travel allowances for commission members and discussants and overhead costs) are covered by the Faculty of Arts of Comenius University.

2.5.2. Summary table on doctoral studies (number of internal/external PhD students at the end of the year; number of foreign PhD students, number of students who successfully completed their theses during the year, number of PhD students who quit the programme during the year)

| PhD study | 2016 | | | 2017 | | | 2018 | | | 2019 | | | 2020 | | | 2021 | | |
|---|---------------------|-----------------|------------------|---------------------|-----------------|------------------|---------------------|-----------------|------------------|---------------------|-----------------|------------------|---------------------|-----------------|------------------|---------------------|-----------------|------------------|
| Number of potential PhD supervisors | 7 | | | 9 | | | 10 | | | 10 | | | 10 | | | 11 | | |
| PhD students | number, end of year | defended thesis | students quitted | number, end of year | defended thesis | students quitted | number, end of year | defended thesis | students quitted | number, end of year | defended thesis | students quitted | number, end of year | defended thesis | students quitted | number, end of year | defended thesis | students quitted |
| Internal total | 2 | 0 | 1 | 3 | 0 | 0 | 3 | 0 | 0 | 2 | 2 | 0 | 4 | 0 | 0 | 6 | 0 | 0 |
| from which foreign citizens | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| External | 2 | 1 | 0 | 2 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other supervised by the research employees of the institute | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

2.5.3. PhD carrier path – Information on the next career steps of the PhD graduates who received their degree from the institute

During the assessment period, four candidates successfully defended their dissertations, externally Ing. Vladimír Benko (*Tvorba webových korpusov a ich využitie v lexikografii* [Building of Web Corpora and Their Use in Lexicography], 2016) and Mgr. Júlia Vrábľová (*Slovenská jazyková ideológia a európska integrácia* [Slovak Language Ideology and European Integration], 2018), and internally PhDr. Perla Bartalošová (*Jazyk seniorov z hľadiska sociolingvistiky* [The Language of Older People in Aspect of Sociolinguistics], 2019) and Mgr. Jaroslava Rusinková (*Spisovná slovenčina ako prirodzený jazyk* (na

pozadí jazykových postojov) [*Standard Slovak as a Natural Language (On the Background of Language Attitudes)*], 2019).

Ing. Vladimír Benko, PhD., continues to be employed by the L'ŠIL SAS, working at the Department of Contemporary Lexicology and Lexicography in computer processing of lexicon, corpus linguistics and building of web corpora. He has been participating in the compilation of the *Slovník súčasného slovenského jazyka* [*Dictionary of Contemporary Slovak Language*] and the *Slovník slovenských nárečí* [*Dictionary of Slovak Dialects*], administers the lexical database, and does computer editing and processing. In addition, he is involved in international projects, specifically *European lexicographic infrastructure (ELEXIS)*, *CURLICAT – Curated multilingual language resources for CEF.AT* and the *European network for web-centred linguistic data science (Nexus Linguarum)*.

Mgr. Júlia Choleva (née Vrábľová), PhD, works part-time at the Department of Social Linguistics at the L'ŠIL SAS in a project called *Diskriminačná inštrumentalizácia jazyka* [*Discriminative Instrumentation of Language*]. She represents the institute in EFNIL (European Federation of National Institutions of Language) and was a member of the organisation's executive committee between 2018 and 2021.

PhDr. Perla Bartalošová, PhD., used to be employed by the L'ŠIL SAS, where she worked at the Department of Social Linguistics until 2021. She participated in *Diskriminačná inštrumentalizácia jazyka* [*Discriminative Instrumentation of Language*]. In 2020, her dissertation was published in a monograph. She joined the Faculty of Arts at Comenius University in 2019 and now works at the Department of Slovak Language.

Mgr. Jaroslava Rusinková, PhD defended her thesis and afterward joined the L'ŠIL SAS, working at the Department of Social Linguistics and collaborating on *Diskriminačná inštrumentalizácia jazyka* [*Discriminative Instrumentation of Language*] and *Slovenský pravopis a jeho pravidlá v kontexte súčasnej jazykovedy a jazykovej praxe* [*Slovak orthography and its rules in the context of contemporary linguistic theory and praxis*]. In 2021, her dissertation was published in a monograph.

2.5.4. Summary table on educational activities

| Teaching | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|--|------|------|------|------|------|------|
| Lectures (hours/year)* | 204 | 175 | 0 | 0 | 0 | 1 |
| Practicum courses (hours/year)* | 250 | 72 | 306 | 416 | 180 | 157 |
| Supervised diploma and bachelor thesis (in total) | 9 | 4 | 4 | 8 | 1 | 5 |
| Members in PhD committees (in total) | 2 | 1 | 0 | 2 | 3 | 4 |
| Members in DrSc. committees (in total) | 2 | 1 | 2 | 1 | 1 | 1 |
| Members in university/faculty councils (in total) | 9 | 8 | 8 | 6 | 6 | 0 |
| Members in habilitation/inauguration committees (in total) | 2 | 1 | 1 | 1 | 1 | 1 |

2.5.5. List of published university textbooks

2.5.6. Number of published academic course books

23. MISLOVIČOVÁ, Sibyla – DOVIČOVIČOVÁ, Denisa – DUCHKOVÁ, Silvia – GURIČANOVÁ, Dana – KÁLMÁNOVÁ, Katarína – VANČOVÁ, Iveta: *Slovenčina na každý deň: rady – odporúčania – testy* [Slovak for Everyday Usage: Advice – Recommendations – Tests]. Rec. D. Slančová, L. Molnár Satinská. Bratislava: Veda, 2020. 247 s. [7,75 AH]. ISBN 978-80-224-1861-4.
24. ŠIMKOVÁ, M. – GAJDOŠOVÁ, K. – KMEŤOVÁ, B. – DEBNÁR, M.: *Slovenský národný korpus. Texty, anotácie, vyhľadávania*. [Slovak National Corpus. Texts, Annotations, Searches]. Rec. J. Kesselová, M. Mošaťová. Bratislava: Jazykovedný ústav Ľ. Štúra SAV, Mikula, s. r. o., 2017, 168 s. ISBN 978-80-88814-98-6.
25. ŠIMKOVÁ, Mária – GAJDOŠOVÁ, Katarína: *Slovenský národný korpus. Používanie, príklady, postupy* [Slovak National Corpus. Usage, Examples, Steps]. Rec. J. Kesselová, Z. Gašová. Bratislava: Jazykovedný ústav Ľ. Štúra SAV – Mikula, s. r. o., 2020. 334 s. [19,6 AH]. ISBN 978-80-99987-00-6.

2.5.7. List of joint research laboratories/facilities with universities

Researchers of the Institute participate in university study programmes as follows:

I. Participation in linguistic-didactic projects

1. *Set of webcorpora Aranea* – a project led by Ing. Vladimír Benko, PhD in cooperation with the Department of Plurilingual and Multicultural Communication at Comenius University, Bratislava and funded by UNESCO (cf. 2.1.5 (6)), followed by year-long independent teaching of *Úvod do korpusovej lingvistiky* [Introduction to Corpus Linguistics] to students at the Faculty of Arts, Comenius University as part of philological study programmes.

2. *Jazykové chyby v slovenčine ako cudzom jazyku na báze akvizitného korpusu* [Language Errors Found in Slovak as a Foreign Language in the Acquisition Corpus] (APVV), where the Slovak National Corpus Department of the LŠIL SAS is developing the concept of an acquisition corpus in coordination with Studia Academica Slovaca – Centre for Slovak as a Foreign Language at the Faculty of Arts of Comenius University in Bratislava. Analysing errors in texts produced by non-native speakers with different levels of linguistic competence helps to confront the linguistic methods used and the linguistic sequence in teaching Slovak as a Foreign Language, with the aim of improving professional and methodological training of lecturers and teachers of Slovak as a Foreign Language and to create language tests and other teaching materials.

3. *Tvorba slovenskej verzie testov na diagnostiku špecifických porúch učenia u študentov vysokých škôl a uchádzačov o vysokoškolské štúdium DysTest* [Creating Slovak Language Versions of Dyslexia Tests for Diagnosing Specific Learning Disabilities in Higher Education Students and Students Seeking Admission to Higher Education], a project implemented in 2018 with Masaryk University in Brno, Czech Republic. The Slovak version of these tests were developed by Dana Guričanová. The outcome of this cooperation was a test battery to be used both in Czech and Slovak universities and at the Research Institute for Child Psychology and Pathopsychology in Bratislava.

II. Individual lectures for philology students in relevant university courses:

1. Lectures at foreign universities (31):

BENKO, Vladimír: *The Aranea Project*. Faculty of Translation and Interpretation at the University of Pompeu Fabra. Barcelona (Spain) 30. 3. 2016.

- BENKO, Vladimír: *The Aranea Project*. Faculty of Humanities, Higher School of Economics. Moscow (Russia) 12. 3. 2016.
- BENKO, Vladimír: *The Aranea Project*. Faculty of Humanities, Higher School of Economics. Moscow (Russia) 1. 10. 2016.
- BENKO, Vladimír: *The Aranea Project*. Faculty of Philology, Lomonosow Moscow State University. Moscow (Russia) 30. 9. 2016.
- BENKO, Vladimír: *The Aranea Project*. Faculty of Philology, Russian State School for Humanities. Moscow (Russia) 29. 9. 2016.
- BENKO, Vladimír: *The Aranea Project*. Faculty of Philology, Tyumen State University. Tyumen (Russia) 9. 3. 2016.
- BENKO, Vladimír: *The Aranea Web Corpora*. Faculty of Mathematics and Physics, Charles University in Prague. Prague (Czechia) 5. 1. 2016.
- MAJCHRÁKOVÁ, Daniela: *The projects and tools of the Slovak National Corpus*. Lecture for the students of Slovak language at the Sofia University St. Kliment Ohridski. Sofia (Bulgaria) 12. 5. 2016.
- ONDREJKOVÁ, Renáta – LALIKOVÁ, Tatiana: *The Dictionary of Slovak Anonymyms*. Lecture at the Institute of Slavic and Baltic Philology, Faculty of Humanities, Eotvos Lorand University. Budapest (Hungary) 3. 10. 2016.
- BENKO, Vladimír: *Araneum Bohemicum Maximum: The Major Corpus of Standard (as well as Non-standard) Czech*. Lecture at the Faculty of Arts, Masaryk University. Brno (Czechia) 28. 4. 2017.
- BENKO, Vladimír: *The Aranea Web Corpora*. Lecture at the Faculty of Humanities at the University of Silesia. Sosnowiec (Poland) 6. 11. 2010.
- MÚCSKOVÁ, Gabriela: *Linguistic Purism in Slovakia and its Forms*. Lecture for the students at the Institute of Slavistics, University of Vienna. Vienna (Austria) 12. 6. 2017.
- ONDREJKOVÁ, Renáta: *Activities of the Slovak Association of Slovak Language Teachers and the publishing of the Journal Slovenčinár (Slovak Language Teacher)*. Lecture for Slovakists at the Institute of Slovak Language and Literature, University of Szeged. Szeged (Hungary) 4. 4. 2017.
- VALENTOVÁ, Iveta: *The Projects of the Slovak Onomastic Committee at the L. Štúr Institute of Linguistics, Slovak Academy of Sciences*. Lecture for Slovakists at the Institute of Slovak Language and Literature, University of Szeged. Szeged (Hungary) 4. 4. 2017.
- BENKO, Vladimír: *The Aranea Web Corpora*. Iliia State University. Tbilisi (Georgia) 27. – 30. 8. 2018.
- BENKO, Vladimír: *The Switching of the Language Code in Web Corpora*. Institute of the Czech National Corpus, Faculty of Arts, Charles University. Prague (Czechia) 23. 1. 2018.
- GAJDOŠOVÁ, Katarína: *The Czech and Slovak Lexical Contact Phenomena and Their Metalinguistic Reflection (on the Basis of Text Corpora)*. Circle of the Friends of Czech Language. Faculty of Arts, Charles University. Prague (Czechia) 14. 3. 2018.
- BENKO, Vladimír: *The Aranea Web Corpora*. Workshop for the master students of Czech Studies at the Faculty of Arts, Palacký University. Olomouc (Czechia) 8. 11. 2019.
- KOLENČÍKOVÁ, Natália: *The Semantic and Pragmatic Aspects of Expressive Lexis (Selection of Politically Motivated Communication in Facebook)*. Lecture at the Institute of Czech Language, Faculty of Arts, University of Ostrava. Ostrava (Czechia) 21. 3. 2019.
- ONDREJOVIČ, Slavomír: *Fragments from the Slovak Linguistics and its Highlights*. Lecture for Faculty of Education, J. E. Purkyne University. (Czechia) 17. – 18. 4. 2019.
- VALENTOVÁ, Iveta: *The Ortography of Slovak Toponyms*. Lecture for the section of the Slovak Language, Institute of Slavic and Baltic Philology. Faculty of Humanities. Eotvos Loránd University]. Budapest (Hungary) 14. 10. 2019.
- VRÁBL'OVÁ, Júlia: *Language Policy and Linguistic Minorities in the Nation-state*. The University of Hongkong. Hongkong (China). 5. 4. 2019.

BENKO, Vladimír: *LexiCorp: the Presentation of Lexicographic Data Using Corpus Tools*. Workshop at the Institute of Czech National Corpus, Faculty of Arts, Charles University. Prague (Czechia) 10. 3. 2020.

BENKO, Vladimír: *Web Corpora and the Corpus Portal Aranea*. Lecture for researchers and students at the Institute of Czech Language, Faculty of Arts, Masaryk University. Brno (Czechia) 11. 12. 2020 (online).

GARABÍK, Radovan: *Word Embedding*. Lecture at the Institute of Czech Language, Faculty of Arts, Masaryk University. Brno (Czechia) 20. 11. 2020.

KOLENČÍKOVÁ, Natália: *Between the Grammar and Semantics or On Lexicographer's Dilemmas*. Institute of Czech Language, Faculty of Arts, University of Ostrava. Ostrava (Czechia) 6. 4. 2020 (online).

GAJDOŠOVÁ, Katarína: *Text Corpus – an Interesting Language Resource. Including our Slovak National Corpus*. Lectorate of the Slavic Philology at the Sofia University St. Kliment Ohridski in Sofia. (Bulgaria) 9. 11. 2021. (online)

GAJDOŠOVÁ, Katarína: *Text Corpus as an Interesting Language Resource – What Will We Find in the Slovak National Corpus?* Lectorate of the Slovak Language and Literature in Slovenia, Institute of Slavic Studies. Ljubljana (Slovenia) 13. 12. 2021 (online).

IVANOVÁ, Martina: *A Short Guide through the Architecture of the Slovak Sentence*. Lecture for the Institute of Slavic Philology, Faculty of Philology, Jagiellonian University. Kraków (Poland) 20. 4. 2021.

KOLENČÍKOVÁ, Natália: *Remarks on the Synchronous Dynamics of Russisms and Anglicisms in the Slovak Language*. Department of Czech Language, Faculty of Arts, University of Ostrava. Ostrava (Czechia) 23. 4. 2021. (online)

KOLENČÍKOVÁ, Natália: *On the Poem "Marina" by Andrej Sládkovič, Quantitatively*. Slovacikum, Universität Regensburg. Regensburg (Germany) 22. 6. 2021. (online)

2. Lectures at local universities (45):

BENKO, Vladimír: *The Aranea Project*. Faculty of Arts, Constantine the Philosopher University in Nitra. Nitra 11. 11. 2016.

BENKO, Vladimír: *The Aranea Web Corpora*. Faculty of Applied Languages, University of Economics in Bratislava. Bratislava 22. 11. 2016.

BENKO, Vladimír: *The Aranea Web Corpora*. Faculty of Medicine, Comenius University. Bratislava 12. 1. 2016.

GAJDOŠOVÁ, Katarína: *Use of the Slovak National Corpus in the Translation Theory and Practice*. Lecture for the Faculty of Arts, University of Prešov. Prešov 2. 6. 2016.

KRÁLIK, Ľubor: *Concise Etymological Dictionary of Slovak*. Lecture for Constantine the Philosopher University in Nitra, popularisation series of lectures titled Interdisciplinary Dialogues. Nitra 15. 12. 2016.

ŠIMKOVÁ, Mária: *Frequency of Occurrences and Collocations of Words in the Texts of the Slovak National Corpus*. Lecture for the members of the Institute of German Studies at the Faculty of Arts, University of Prešov. Prešov 2. 6. 2016.

ŠIMKOVÁ, Mária: *Other Image of the Language: Spoken, Dialect and Parallel Corpora*. Lecture for the foreign teachers organised by the Centre for Continuing Education of the Institute for Language and Preparatory Studies, Comenius University. Modra-Harmónia 18. 10. 2016.

ŠIMKOVÁ, Mária: *Corpora of Written Texts in Contemporary Slovak and Dictionary Tools*. Lecture for the foreign teachers organised by the Centre for Continuing Education of the Institute for Language and Preparatory Studies, Comenius University. Modra-Harmónia 17. 10. 2016.

ŠIMKOVÁ, Mária: *Contemporary Slovak Language in the Resources of the Slovak National Corpus*. Lecture for the foreign teachers organised by the Centre for Continuing

Education of the Institute for Language and Preparatory Studies, Comenius University. Modra-Harmónia 17. 10. 2016.

BENKO, Vladimír: *The Aranea Web Corpora*. Lecture for the Faculty of Arts, University of Prešov. Prešov 6. 10. 2017.

BENKO, Vladimír: *Work with the Aranea Web Corpora*. Lecture followed by a practical workshop. National Institute for Education. Bratislava 5. 6. 2017 and 19. 6. 2017.

GAJDOŠOVÁ, Katarína – ŠIMKOVÁ, Mária: *Slovak National Corpus and Its Use for Translation into Slovak*. Lecture followed by a practical workshop for the students of the Faculty of Arts, University of Prešov. Prešov 20. 9. 2017.

GAJDOŠOVÁ, Katarína – ŠIMKOVÁ, Mária: *Searching in the Corpora of Written Texts of the Slovak National Corpus (beginners)*. Lecture followed by a practical workshop for students and teachers. Faculty of Arts, Pavol Jozef Šafárik University in Košice. Košice 19. 9. 2017.

GAJDOŠOVÁ, Katarína: *Searching in the Corpora of the Slovak National Corpus By Means of Regular Expressions for the Preparation of the Dictionary of Slovak Neologisms*. Lecture followed by a practical workshop. Faculty of Arts, University of Prešov. Prešov 21. 9. 2017.

GAJDOŠOVÁ, Katarína: *Searching in the Corpora of Written Texts of the Slovak National Corpus (beginners)*. Practical workshop. Faculty of Arts, Matej Bel University. Banská Bystrica 25. 9. 2017.

GAJDOŠOVÁ, Katarína: *Searching in the Corpora of Written Texts of the Slovak National Corpus (beginners)*. Lecture followed by a practical workshop. Faculty of Arts, Catholic University in Ružomberok. Ružomberok 28. 9. 2017.

ŠIMKOVÁ, Mária: *Textual and Language Databases of the Slovak National Corpus as Sources of Information on (not only) Slovak Language*. Lecture for students and teachers. Faculty of Arts University of Ss. Cyril and Methodius in Trnava. Trnava 15. 11. 2017.

GAJDOŠOVÁ, Katarína: *Text Corpora – Their Building and Aims*. Department of Romance Languages, Faculty of Arts, Matej Bel University. Banská Bystrica 7. 2. 2018.

GAJDOŠOVÁ, Katarína: *Searching in the Corpora of Written Texts (beginners)*. Institute for Language and Preparatory Studies, Faculty of Arts, Comenius University, Bratislava 1. 2. 2018.

GAJDOŠOVÁ, Katarína: *Searching in the Corpora of Written Texts (beginners)*. Department of Slovak Language and Communication, Faculty of Arts, Matej Bel University. Banská Bystrica 15. 10. 2018.

GAJDOŠOVÁ, Katarína: *Using Slovak National Corpus for the Research into (not only) Slovak Language*. Department of Romance Languages, Faculty of Arts, Matej Bel University. Banská Bystrica 7. 2. 2018.

LEVICKÁ, Jana – GAJDOŠOVÁ, Katarína: *Parallel Corpora and Terminology in Translation Practice*. Lecture for the students of translation and interpretation study programme, Faculty of Arts, Comenius University. Bratislava 25. 4. 2018.

LEVICKÁ, Jana: *Parallel Corpora and Terminology in Translation Practice*. Lecture for the students of translatology study programme, Faculty of Arts, Constantine the Philosopher University in Nitra. Nitra 10. 4. 2018.

ŠIMKOVÁ, Mária – GAJDOŠOVÁ, Katarína: *Searching in the Corpora of Written Texts (beginners)*. Lecture for teachers of Slovak as a foreign language for the Studia Academica Slovaca Centre. Bratislava 23. 2. 2018.

ŠIMKOVÁ, Mária – GAJDOŠOVÁ, Katarína: *Using Corpora in Translation Practice*. Lecture for the Department of the Slovak Language, Faculty of Arts, Comenius University. Bratislava 23. 4. 2018.

ŠIMKOVÁ, Mária: *E-sources for Slovak*. Lecture for the students of mass media studies at the Department of Slovak Studies, Slavic Philologies and Communication, Faculty of Arts, Pavol Jozef Šafárik University in Košice. Košice 28. 11. 2018.

- ŠIMKOVÁ, Mária: *Introduction into Corpus Linguistics, Structure and Use of the Slovak National Corpus*. Lecture for the students of Slovak Studies at the Department of Slovak Studies, Slavic Philologies and Communication, Faculty of Arts, Pavol Jozef Šafárik University in Košice. Košice 27. 11. 2018.
- ŠIMKOVÁ, Mária: *Resources of the Slovak National Corpus and Possibilities of Their Use*. Lecture for the students and teachers of translation study programme at the Faculty of Arts, Constantine the Philosopher University in Nitra. Nitra 10. 4. 2018.
- BENKO, Vladimír: *The Aranea Web Corpora*. Workshop for students of bachelor study programme of translatology at the Faculty of Arts, Constantine the Philosopher University in Nitra. Nitra 22. 3. 2019.
- BENKO, Vladimír: *The Aranea Web Corpora*. Workshop for students of master study programme of translatology at the Faculty of Arts, Constantine the Philosopher University in Nitra. Nitra 5. 4. 2019.
- GAJDOŠOVÁ, Katarína: *Corpora of Romance Language in the SNC family of Corpora and Possibilities of Their Use*. Lecture for the Department of Romance Languages, Faculty of Arts, Matej Bel University. Banská Bystrica 30. 10. 2019.
- GAJDOŠOVÁ, Katarína: *Possibilities of Use of Textual Corpora in the Academic and Translation Practice*. Lecture for the Department of Romance Languages, Faculty of Arts, Matej Bel University. Banská Bystrica 19. 9. 2019.
- GAJDOŠOVÁ, Katarína: *Slovak National Corpus and Its Practical Usage*. Lecture for the Department of the Slovak Language, Faculty of Arts, Comenius University. Bratislava 12. 4. 2019.
- GAJDOŠOVÁ, Katarína: *Slovak National Corpus as Material and Language Resource. Possibilities of Its Use*. Lecture for the Department of the Slovak Language and Communication, Faculty of Arts, Matej Bel University. Banská Bystrica 18. 9. 2019.
- KOLENČÍKOVÁ, Natália: *How Can a Monolingual Dictionary Can Help Foreigners? Science and Technique Week at the CPU*. Language Centre, Faculty of Arts, Constantine the Philosopher University in Nitra. Nitra 5. 11. 2019.
- ŠIMKOVÁ, Mária – GAJDOŠOVÁ, Katarína: *Slovak National Corpus and Possibilities of Its Use*. Lecture for the Department of Linguistics and Translatology, Faculty of Applied Languages, University of Economics. Bratislava 4. 4. 2019.
- ŠIMKOVÁ, Mária: *Reflections on Possibilities of Contemporary (not only) Linguistic Research from the Viewpoint of (Non)accessibility of Research Material*. Lecture at the field office of the Slovak Linguistic Society, Faculty of Arts, Pavol Jozef Šafárik University in Košice. Košice 7. 11. 2019.
- GAJDOŠOVÁ, Katarína: *Slovak-Spain Parallel Corpus and Possibilities of Its Use*. Lecture for the Department of Romance Languages – section of Hispanic Studies, Faculty of Arts, Matej Bel University. Banská Bystrica 13. 10. 2020.
- BENKO, Vladimír: *Araneum Polonicum: Web Corpus of Polish*. Lecture for the members and students of the Institute of Central European Studies (co-organiser – Polish Institute). Prešov 12. 10. 2021.
- GAJDOŠOVÁ, Katarína: *Slovak National Corpus – Language Resource for the Research as well as Practice*. Lecture for the field office of the Slovak Linguistic Society, University of Trnava. Trnava 20. 10. 2021. (both off-line and on-line)
- GAJDOŠOVÁ, Katarína: *Using (Parallel) Corpora as one of the Skills of a Proficient Translator*. Lecture for the Department of Romance Languages, Faculty of Arts, Matej Bel University in Banská Bystrica. Banská Bystrica 26. 10. 2021. (both off-line and on-line)
- GAJDOŠOVÁ, Katarína: *Slovak National Corpus as a Language Resource*. Lecture for the Department of Slovak Language and Communication, Faculty of Arts, Matej Bel University in Banská Bystrica. Banská Bystrica 27. 10. 2021. (both off-line and on-line)
- CHOLEVA, Júlia: *Methodological Aspects of Discourse Analysis*. Lecture in the framework of the PhD workshop for PhD students of the Institute of History SAS, Institute of the

Oriental Studies, SAS, Faculty of Arts, Comenius University in Bratislava and Matej Bel University in Banská Bystrica. Bratislava 30. 11. 2021. (online)

IVANOVÁ, Martina: *Verb in Time and Space (Acquisition of Grammar and Selected Aspects of Slovak Verbs)*. Lecture in the framework of the Studia Academica Slovaca Summer School. Bratislava 18. 8. 2021.

ZUMRÍK, Miroslav: *Terminology, Corpora, Translators*. Lecture for the students of philology study programmes at the Faculty of Arts, Comenius University. Bratislava 10. 5. 2021. (online)

III. Presentations and workshops for philology students in relevant university courses at the Institute (e.g. as part of excursions):

1. Presentation of the Slovak National Corpus for students at the Department of Slovak Language, Faculty of Arts, Comenius University, 21. 4. 2016
2. Excursion for students from the Institute of Slovak and Media Studies, Faculty of Arts, University of Prešov to the departments engaged in dialectology and the Slovak National Corpus, 20. 9. 2016. (15 students)
3. Excursion by Slavic language study students from the Department of Slavonic Studies, University of Vienna to the department engaged in dialectology and the Slovak National Corpus, 29. 5. 2017.
4. Lecture and discussion for Slovak language students from Jagiellonian University in Krakow, *Use of the Slovak National Corpus and Other Sources for Studying Slovak as a Foreign Language: Summary of Possibilities, Tools and Uses*, 31. 5. 2018

IV. Study and research stays and practical courses in university study programmes

1. Erasmus+ Study Stays: Marina Kolesarič, Ana Grbavac from the Faculty of Philosophy, University of Zagreb, Croatia visited the Department of Slovak Language History, Onomastics and Etymology and worked with the card catalogue of Slovak terrain names, 1. 3. – 15. 7. 2017.
2. Study stay by Hanna Hloba, originally from Belarus and studying at the Faculty of Arts, Comenius University, who spent the 2018-19 winter semester at the Dialectology Department, studying source material about family nomenclatures from the Slovak dialect dictionary card catalogue.
3. Research stay by Petra Kollárová, studying full-time at the Faculty of Arts, Comenius University in 2015, 2016 and 2018, who visited the Dialectology Department, studying source material about family nomenclatures from the Slovak dialect dictionary card catalogue.
4. Research stay by Gabriel Róžai, studying at the Faculty of Arts, Matej Bel University in Banská Bystrica, who visited the Dialectology Department in January 2019 to study enclave Ruthenian dialects in Gemer.
5. Research stay by Mgr. Joanna Patyk from the Institute of East Slavonic Studies, Jagiellonian University in Krakow, Poland, who visited the Department of Contemporary Lexicology and Lexicography and studied selected grammatical phenomena from the Slovak linguistic database on 2. – 27. 7. 2018.
6. Research stay by Vera Syrovatskaja from UiT The Arctic University of Norway, Department of Language and Linguistics in Tromsø, Norway, who visited the Department of Contemporary Lexicology and Lexicography and familiarised herself with corpus-cognitive processing of collocations in Project Aranea corpus material using Sketch Engine, 9. – 11. 10. 2018.
7. Research stay by a PhD student, Viktoriya Machek, from Palacký University, Faculty of Arts, Czech Republic, who visited the Department of the Slovak National Corpus and took the opportunity to work with corpus databases and to consult for her PhD research in feminine nouns in comparative perspective, 10. 6. – 10. 9. 2021.

8. Two students, M. Barboráková and A. Bolyová, completed a course taught by the Dialectology Department on scientific research as part of the Slovak Language study programme at the Faculty of Arts, Comenius University. They participated in the digitalisation of sources to the national index for the *Slovanský jazykový atlas* [*Slavic Linguistic Atlas*].

2.5.8. Supplementary information and/or comments on doctoral studies and educational activities – focused on what changes have occurred since the last evaluation in 2016

There were changes in the PhD study programme a) in external delivery and quality control, and b) within the Institute.

a) Adoption of the Higher Education Quality Assurance Act in 2018 established an independent accreditation agency devoted solely to assessing the quality of teaching in universities and higher education institutions, bringing about major changes. The institutes within the Slovak Academy of Sciences were stripped of their autonomy and could only offer this level of study as an external educational institution by virtue of a framework agreement with the relevant university faculties. The Faculty of Arts at Comenius University was the most appropriate for the L'ŠIL SAS to enter into a framework agreement, under which internal rules were adopted to allow any institute from the Slovak Academy of Sciences to organise doctoral study programmes. At the same time leaders from the Slovak Academy of Science developed an independent internal system for assessing the quality of doctoral studies at organisations within the Slovak Academy of Sciences. An element of the system was the establishment of criteria for its institutes, including requirements for an internal PhD dissertation adviser in the organisation and an internal PhD quality system for each institute. Criteria were also set that graduates had to meet before defending their dissertations. Once these internal criteria were met, the institution could offer PhD studies funded by the Slovak Academy of Sciences with financial resources assured to provide students with scholarships appropriated from the Academy's budget.

b) In the wake of these changes, the Institute put its own internal quality assessment system in place for PhD studies in 2019, specifying internal criteria for the selection of advisors, recommendations for the selection of dissertation topics (taking into account current projects), procedures for controlling the course of study, and strategies for improving the quality of graduates in professional life, academics and publishing.

Doctoral students at the Institute are involved in research projects. They are supposed to spend time while they are studying for their doctorate at educational institutions outside Slovakia, take foreign language courses, attend summer language schools and actively participate in scientific events both locally and internationally.

In 2019, after a short interruption, methodological seminars and presentations by invited speakers started up again with the aim of providing (not only) young linguists from the L'ŠIL SAS with systematic and regular exposure to theoretical knowledge from general linguistics, current linguistic trends, research and methods, among other things.

There has been a conference organised annually for 30 years by the Slovenská jazykovedná spoločnosť (Slovak Linguistic Society). This is the *Kolokvium mladých jazykovedcov* [*Colloquium of Young Linguists*] whose Varia proceedings are published electronically (cf. 2.3.5).

Besides participating in research projects, doctoral students are integrated into the teams employed at the Institute by assisting them in organising scientific and scientific popularisation events.

The Institute has also joined the central initiative spearheaded by the Slovak Academy of Sciences to establish a cooperative venture for educating PhD candidates along with

Charles University in Prague, having received approval from three departments there which have been open to the idea of a joint PhD programme or designed a cotutelle form.

The Institute has sought to address lack of interest in PhD studies, a long-term problem, by stronger promotion of the study program (including through social networks) at all philologically oriented university faculties and by participating at promotional events organised by the Slovak Academy of Sciences. In addition, the Institute has been providing opportunities to complete a short-term internship since 2019 for those interested in a doctorate to gain professional skills in researching and processing the Slovak language and becoming acquainted with what individual departments at the Institute do and the projects they are undertaking. The internship is intended primarily for university students seeking master's degrees and doctorates in various scientific fields. The internship lasts a total of 100 hours and should be completed within a maximum six months. 22 students expressed interest in the internship, of which 7 were accepted. However, only two of them were able to complete the internship after it was suspended due to the COVID-19 pandemic.

A monthly programme was conducted at the same time in cooperation with the Faculty of Arts at Masaryk University in Brno.

Other educational activities in terms of cooperation include participation by the Institute's researchers in providing qualification procedures for the staff of university Slovak studies departments, especially through membership in doctoral study department committees and at other qualification levels. They are also represented at university scientific councils and individual researchers have been invited to act as thesis reviewers in doctoral, habilitation and inauguration work.

2.6. Societal impact

2.6.1. The most important case studies of the research with direct societal impact, max. 4 for institute with up to 50 average FTE researchers per year, 8 for institutes with 50 – 100 average FTE researchers per year and so on. Structure: Summary of the impact; Underpinning research; References to the research; Details of the impact; Sources to corroborate the impact. One page per one case study

1. DICTIONARY PORTAL

Summary of the impact

Lexicography products from the L'ŠIL SAS are among the most socially desirable outputs used by a broad range of the professional and general public. Despite the popularity and high sales of printed versions, it is nevertheless essential in an era where information technology is spreading to make them available in electronic versions and to enable both searching and comparison of data from different sources. This option of ready availability is what the Institute offers in its Dictionary Portal (slovník.juls.savba.sk), which can be found at its website and is customised for searching even from a tablet or mobile phone.

Underpinning research

Lexicographical works have long been part of the Institute's linguistics mission and its research ever since it was established. Its lexicological and lexicographic research continued in the assessment period and the portal was developed as part of the projects below:

- *Slovník súčasného slovenského jazyka* [*Dictionary of the Contemporary Slovak Language*] – Stage 6 (VEGA 2/0017/17) and Stage 7 (VEGA 2/0016/21);
- *Slovník slovenských nárečí* [*Dictionary of Slovak Dialects*] (VEGA 2/0105/14, 2/0126/18),
- *Building and Development of the Slovak National Corpus* (0372/2012, 0323/2017).

Six volumes were added to the portal during this time and in 2019 an innovative version

was launched. (cf. 2.1.5). Concurrently, the Dictionary Portal became the foundation for creating LexiCorp, a lexicographical corpus and a tool for supporting lexicography projects.

Research references

JAROŠOVÁ, Alexandra. *Slovo v slovníku z pohľadu času a normy* [Words in a Dictionary from the Perspective of Time and Norms]. Rec. M. Košková, J. Vaňko. Bratislava: Veda, 2015. 160 p. ISBN 78-80-224-1486-9.

JAROŠOVÁ, Alexandra. *Elektronické slovníky a nové aspekty komunikácie v jazykovom poradenstve* [Electronic Dictionaries and New Aspects of Communication in the Field of Language Counselling]. In: *Komunikačné paradigmy v lingvistike a v žurnalistike* [Communication Paradigms in Linguistics and Journalism]. Ed. P. Kravčák. Ružomberok: Verbum, 2020, p. 23-35.

JAROŠOVÁ, Alexandra. Online dictionary content and the user needs: The Slovak case. In: *Skase*, 2019, vol. 16, no. 3, p. 2-19.

JAROŠOVÁ, Alexandra. *Pohľad na pomenovanie cez prizmu teoretických rámcov a slovníkového hesla* [Looking at a Naming Unit through the Prism of Theoretical Frameworks and Dictionary Entry]. In: *Jazykovedný časopis*, 2018, Vol. 69, No. 3, p. 277-301.

BENKO, Vladimír. *LexiCorp: Corpus Approach to Presentation of Lexicographic Data*. In: *Electronic lexicography in the 21st century: Smart lexicography*. Proceedings of the eLex 2019 conference. Brno: Lexical Computing CZ s.r.o., 2019, p. 957-969.

BENKO, Vladimír. *In Praise of Simplicity: Lexicographic Lightweight Markup Language*. In: *Proceedings of the XVIII EURALEX International Congress: Lexicography in Global Contexts*. Eds. J. Čibej, V. Gorjanc, I. Kosem et al. Ljubljana: University of Ljubljana, Centre for Language Resources and Technologies, 2018, p. 641-648.

Impact details

The Dictionary Portal contains 20 both older and newly-created lexicographical works and databases. It should be stressed that finding a portal that collects such a large number of dictionaries under one roof for a particular language is hardly possible, even more so with free access. These are accessible with a federated search (simultaneous searching in all dictionaries, manuals and databases), greatly facilitating any project and allowing anybody to compare the processing and to monitor the dynamic phenomena in Slovak lexis, grammar and word formation. It is possible to click on an accessible work to open complete information about it and to read its introductory text.

These lexicographical works and corpus databases can be found in the Dictionary Portal:

Dictionaries of Contemporary Slovak:

1. Dictionary of Contemporary Slovak Language A – G, H – L, M – N (2006, 2011, 2015)
2. Orthographic and Grammar Dictionary of Slovak (2016)
3. Revised Dictionary of Contemporary Slovak (2018)
4. The Consize Dictionary of the Slovak Language 4 (2003)
5. The Rules of Slovak Orthography (2013)
6. Dictionary of the Slovak Language – 6 volumes (1959 – 1968)
7. Slovak Language Thesaurus (2004)
8. Dictionary of Foreign Words (Academic) (2005)
9. Dictionary of Transcriptions from Asian Languages (2018)

Historical and Dialectal Dictionaries:

1. Dictionary of Slovak Dialects A – K, L – P (1994, 2006)
2. Historical Dictionary of the Slovak Language – 7 volumes (1991 – 2008)
3. *Slowár Slowenský Česko-Laťinsko-Nemecko-Uherský* [Dictionary of Slovak to Czech, Latin, German and Hungarian] by Anton Bernolák – 5 volumes (1825)

Corpus Outputs and Databases:

1. Paradigms of Nouns
2. Sound recordings of some words
3. Names of towns in Slovakia (1773 – 1997)
4. Database of surnames in Slovakia (1998)

5. Database of urban names (1995)

6. - 8. Phrases from parallel corpora (Slovak-Czech, Slovak-French and Slovak-English).

The Dictionary Portal at the Institute's website is often searched and is considered a reliable source of information for users of Slovak. This can be seen in the steadily rising number of visitors over the past six years. In 2021, the final year covered by this report, average monthly traffic reached 1,124,455 searches for a specific dictionary headword and 68,839 unique IP addresses.

Sources corroborating the impact

The Dictionary Portal's significance for scientific research is evident in the large number of citations from specific dictionaries (cf. 2.2), which is directly linked to its online availability.

The portal can also be accessed from the Ministry of Culture's website (as part of the National Language Section's profile) <https://www.culture.gov.sk/posobnost-ministerstva/statny-jazyk-narodnostne-mensiny-a-zahranicni-slovaci/statny-jazyk/kodifikovana-podoba-statneho-jazyka/>.

2. EXPERT SERVICES AND LANGUAGE COUNSELLING

Summary of the impact

Providing expert services and linguistic counselling to professionals from various scientific and commercial sectors, government civil servants, terminologists, translators, editors, teachers and students, along with others from among the general public, is a traditional part of the LŠIL SAS activities. Requests for appraisals and advice cover all spheres of language use – from orthoepy, orthography and morphology to syntax, word formation and stylistics and including dialectology, onomastics, etymology and the history of language.

This has a significant impact on addressing linguistic issues, language education among the professional and general public, coining and unifying terminology, writing official documents and cultivating language. Ongoing interest by professionals and the public in these services underlies the Institute's high credibility and their confidence in the Institute.

Underpinning research

Language counselling is based on set criteria for the cultivation of the standard language, alongside current scientific research into real world language issues and the needs of language users. This is a critical resource for linguists to research the dynamics of contemporary Slovak language in all communicative spheres, and it was implemented between 2016 and 2021 in the projects below:

– VEGA 2/0125/2014: *Analysis of New Approaches in the Development of Contemporary Slovak Emphasizing User Perspective* (completed in 2017),

– VEGA 2/0182/15 *The Linguistic Norm and the Process of its Codification* (completed in 2018)

– VEGA 2/0133/20: *Slovak Orthography and its Rules in the Context of Contemporary Linguistic Theory and Praxis* (currently in progress).

However, the dynamics of language and its phenomena are inherently present in the research carried out by the Institute in all its projects, so many other researchers besides the members of the Department of Linguistic Culture and Terminology have also participated in expert and counselling work.

During the evaluated period, the experience from counselling provided motivation for a number of papers: 120 studies, articles and less extensive contributions in *Kultúra slova*, the journal for language cultivation and terminology in Slovakia.

Research references

Kultúra slova [Culture of the World] – directly derived from research into the dynamics of language and terminology and responding to current issues in linguistic practice – <https://www.juls.savba.sk/ediela/ks/>.

MISLOVIČOVÁ, S. – DOVIČOVIČOVÁ, D. – DUCHKOVÁ, S. – GURIČANOVÁ, D. – KÁLMÁNOVÁ, K. – VANČOVÁ, I. *Slovenčina na každý deň: rady – odporúčania – testy* [Slovak for Everyday Usage: Advice, Recommendations and Tests]. Bratislava: Veda, 2020. 247 p.

Rozličnosti o slovenčine [Differences in Slovak]. Eds. S. Mislovičová, I. Vančová, Bratislava: Veda, 2019. 272 p.

Spytovali ste sa [You Were Asking]. Ed. S. Mislovičová, I. Vančová. Bratislava: Veda, 2017. 293 p.

Jazykové problémy, ktorých riešenie sa ťažko hľadá [Language Issues Whose Solutions Are Hard to Find]. Ed. S. Duchková. Bratislava: Veda, 2020, 187 p.

Aktuálne otázky slovenského jazyka [Current Issues in the Slovak Language]. Ed. J. Wachtarczyková. Bratislava: Jazykovedný ústav Ľ. Štúra SAV – Slovak Academic Press, 2017. 253 p.

Impact details

Both expertise and advisory services are provided in several forms, through the following methods:

a) Phone counselling, with a line open every afternoon. Around 5,000 phone calls are handled on average each year, although during the COVID-19 pandemic the number fell because of the lockdowns, so a **total of 23,900 calls were taken** during the six-year period ending 2021.

b) Email language counselling rose enormously during the pandemic period and **totalled 4,954 written answers**.

c) Web language counselling (<https://jazykovaporadna.sme.sk>) is provided through a database of contributions created from answers to relevant and frequent questions and language problems. It is a resource for stakeholders to actively search from keywords. The database has operated since 2013 and was created with the technical support of the SME.sk portal. Since it was established, the database has been continuously updated. Traffic has more than doubled since 2016, when there were only 60,000 real users and 200,000 page views. By 2020, those numbers had grown to 170,541 and 468,908 respectively, although they fell slightly in 2021 due to the prolonged lockdown. In the period from 2016 to 2021, **1,332 new contributions** were added to the web-based language counselling service's database.

Number of telephone calls and letters answered (some of them rounded) and the total number of contributions to web language counselling

| Language counselling | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | Total |
|----------------------|-------|-------|-------|-------|-------|-------|--------|
| Phone | 6,000 | 5,000 | 5,000 | 4,000 | 2,500 | 1,400 | 23,900 |
| Email | 650 | 453 | 638 | 663 | 1,050 | 1,500 | 4,954 |
| Web | 5,500 | 5,957 | 6,237 | 6,453 | 6,514 | 6,832 | |

In addition, researchers at individual departments of the Institute prepare expertises and analyse socially important documents for public authorities and governmental institutions, actively participate in the development and consolidation of terminology especially in the framework of terminology commissions and nomenclature committees (cf. 2.6.2). They also prepare etymological and onomastic analyses and, in the assessment period, co-authored nine terminological compilations that were published in *Kultúra slova*.

Other popularising ventures, such as regular language series on radio and television build upon the experience in expertise and counselling (cf. 2.7.1).

Sources corroborating the impact

– Translators for the European Commission – European Commission Directorate-General for Translation DGT.B.SK,

– Journal and magazines editors and editing staff at institutions and the ministries

– *Slovenčina na slovičko* [Slovak in a Word] – radio show <https://slovensko.rtvs.sk/rubriky/slovenscina-na-slovicko>

– Slovenčina na slovičko [*Slovak in a Word*] – televised animated series
<https://www.rtvs.sk/televizia/archiv/14728#0>

3. TERMINOLOGY MANAGEMENT AND CULTIVATION

Summary of the impact

At the national level, terminology management in the sense of linguistic processing and making terminologies accessible, centralising terminological information, and explaining the meanings of terms to the wider public is a key prerequisite for smooth communication both in professional circles and among all language professionals, most of all translators. It also promotes the public understanding of scientific themes. This is an ever-present need of the society, as a large part of neologisms originate precisely from terminological systems.

Underpinning research

Documenting, analysing and cultivating terminologies as a part of the vocabulary have been a tradition for decades at the L'ŠIL SAS. Evidence justifying this effort is noticeable in the demands of both professionals and the general public for correct usage of specific form of terms and their derivatives, the meaning of those terms, the adequacy of equivalent foreign terms and terminological consistency not only in professional texts, but also in texts that include terms, such as legislative documents, standards and journalistic texts.

These terminology-related activities were completed between 2016 and 2021:

1. Basic research into terminology based predominantly on corpus data
2. Centralising and analysing terminological data as part of VEGA 2/0114/15 *Analysis of terminology work of Ján Horecký as an inspiration for the terminology management of the 21st century in Slovakia*
3. Expanding and updating the Slovak Terminology Database (STD)
4. VEGA 1/0058/20 *Theory and Terminological System of the Slovak Onomastics (in the Context of Slavic and International Onomastic Terminology)*
5. Disseminating knowledge through a counselling and lectures, the Institute's active membership in 40 terminology committees at public authorities and in finishing drafts of legislative texts and standards.

Research references

LEVICKÁ, Jana – GALAMBOŠ, Michal – KRIVOSUDSKÝ, Lukáš: *Specificities and Origins of the Slovak Nomenclature of Inorganic Chemistry*. In: Chemical Papers. Springer International Publishing, 2017, Vol. 71, No. 3, p. 699 – 705.

LEVICKÁ, Jana: *Terminologický portál Jazykovedného ústavu Ľ. Štúra SAV*. [Ľudovít Štúr Institute of Linguistics Terminology Portal] In: Kultúra slova, [Culture of the Word] 2018, Vol. 52, No. 3, p. 129 – 140.

LEVICKÁ, Jana. *Konkurenčnosť synonymných adjektív v lekárskej terminológii* [Competitiveness of Synonymous Adjectives in Medical Terminology]. In: ŠIMKOVÁ, Mária – LEVICKÁ, Jana – DEBNÁR, Marek. *Dynamické javy v súčasnej slovenčine a jej výskume* [Dynamic Phenomena in Contemporary Slovak and its Research]. Bratislava: Veda, 2018, p. 71 – 163.

LEVICKÁ, Jana: *Slovak Terminology in the Sociolinguistic Context of the 1960s*. In: *Man and His Language 4. Selected Terminological Papers of J. Horecký*. Ed. J. Levická – M. Zúmrík. Bratislava: Veda, vydavateľstvo SAV. 2019. 23 – 43/23 – 46 p.

HARVALÍK, Milan – VALENTOVÁ, Iveta. *Tendence a možnosti zpracování onomastické terminologie* [Tendencies and Possibilities of Processing Onomastic Terminology]. In: *Ze studiów nad nazwami własnymi: terminologia, teoria i metodologia badań, zagadnienia nazwotwórstwa*. Lublin: Wydawnictwo Uniwersytetu Marii Curie-Skłodowskiej, 2020, p. 31 – 45.

Impact details

1. Basic terminological research has focused on the historical context in which Slovak terminology was developed and established in the past, on theoretical issues behind the establishment of Slovak onomastic terminology internationally and on partial issues of the

dynamics of international suffixes in medical terminology. There were a total of 17 publications, two popularising books and one bilingual book about the terminological work of Professor Ján Horecký.

2. In order to centralise terminological data and information, the following was created and launched:

- Terminology portal of the L'ŠIL SAS (<https://terminologickyportal.sk/>), which contains extensive and comprehensive theoretical and practical sources,
- Archive of two terminological journals published in Slovakia and an interactive database of Ján Horecký's terminological output with a total of 1,418 bibliographic entries with available full-text,
- Full texts of 22 terminological dictionaries published between 1952 and 1964,
- List of more than 400 monolingual and translation dictionaries and encyclopaedias capturing the Slovak terminological lexis,
- Useful links to databases outside Slovakia, terminological centres and resources, as well as a list of terminology committees at Slovak ministries and other government institutions.

3. There was a major revision of terminology records in 2016 following the transformation of the STD's software platform, chiefly in the field of astronomy, philosophy, physics, medicine, mass media communication and law. Starting with 7,827 terminological records in 2016, the STD has since expanded to 16,324 records at the beginning of 2022.

4. During the COVID-19 pandemic, special attention was paid to current epidemiological and immunological topics, reflected in the creation of more than a thousand terminology records covering them. Information about their publication was viewed by more than 4,500 people on Facebook and shared by 177 of them.

5. Disseminated by the L'ŠIL SAS:

- 24 awareness-raising lectures for government and European institutions
- Seven language and terminological appraisals of decrees and laws
- Ten expert analyses of specific terms for national government and European institutions
- Assessment of 10 standards regarding terminology
- Participation in events and in more than 40 terminology committees at public government authorities.

Sources corroborating the impact

- Slovak-language Department, Directorate-General for Translation of the European Commission,
- Chairs of 40 terminology committees at public institutions in Slovakia.

4. MORPHOLOGICAL DATABASE OF THE SLOVAK NATIONAL CORPUS

Summary of the impact

The morphological database of the Slovak National Corpus is a specific type of dictionary created for various uses in computer processing of the natural language. At the L'ŠIL SAS, it is used primarily for morphological tagging of corpus databases. Secondly, it served also as the starting point for two publications by the Slovak National Corpus Department that focus on the inflexion of two main parts of speech. In general, the morphological database can be used to build tools for automatic morphological analysis, where the task is to assign words their basic form and morphological markers. Such software tools are a prerequisite for automated solutions to higher-level text processing problems, such as extracting information (named entity recognition, extraction of relations), retrieving information, and computational understanding of text, as it is evident from the licensing of this resource to

outside institutions and companies for commercial use.

Underpinning research

The morphological database has been built up by the Slovak National Corpus Department ever since its beginnings, since it is primarily used for automatic lemmatisation, morphological annotation and disambiguation of texts included in the corpus databases. Its concept, based on the *Model of the Morphological Database of the Slovak Language* (Benko – Hašanová – Kostolanský, 2004), laid emphasis primarily on the formal aspect of words, although their meaning was constantly taken into account, too. For every lemma, or basic word form, all the remaining forms (a full paradigm) are associated in the database together with tags capturing grammatical information. At present, all inflected and uninflected parts of speech have been processed in the morphological database, thus covering the entire vocabulary captured in *Krátky slovník slovenského jazyka* [*The Concise Dictionary of the Slovak Language*].

During the assessment period, the database was revised and expanded mainly with adjectives, resulting in the total of 115,000 lemmas (selected from available dictionaries and supplemented with the most frequent words in the corpus). The database currently contains about 1.3 million unique word forms.

Research references

ZUMRÍK, Miroslav – MAJCHRÁKOVÁ, Daniela – MIHÁLIKOVÁ, Lucia: *Časovanie slovies* [Conjugation of Verbs]. Bratislava: Jazykovedný ústav Ľ. Štúra SAV – Vydavateľstvo Mikula 2022. 380 p.

GARABÍK, Radovan – KARČOVÁ, Agáta – ŠIMKOVÁ, Mária – BRÍDA, Radoslav – ŽÁKOVÁ, Adriána: *Skloňovanie podstatných mien v slovenčine s korpusovými príkladmi* [Declension of Slovak Nouns with Corpus Examples]. Bratislava: Jazykovedný ústav Ľ. Štúra SAV – Vydavateľstvo Mikula 2016. 656 p.

GARABÍK, Radovan – ŠIMKOVÁ, Mária: *Slovak Morphosyntactic Tagset*. In: *Journal of Language Modelling*. Institute of Computer Science PAS, 2012, Vol. 0, No. 1, p. 41 – 63.

BENKO, Vladimír – HAŠANOVÁ, Jana – Kostolanský, Emil: *Model morfolologickej databázy slovenčiny: Počítačové spracovanie jazyka* [Morphological Database Model of Slovak: Computer Processing of the Language]. Trnava: Univerzita sv. Cyrila a Metoda 2004, 188 p.

GARABÍK, Radovan – GIANITSOVÁ, Lucia – HORÁK, Alexander – ŠIMKOVÁ, Mária: *Tokenizácia, lematizácia a morfologická anotácia Slovenského národného korpusu* [Tokenisation, Lemmatisation and Morphological Annotation of the Slovak National Corpus]. Internal material. 2004.

Impact details

Four businesses expressed interest during the assessment period in commercially using the morphological database and/or morphological analyser, and were granted licence.

Their use of the morphological database includes the following areas:

1. Content analysis of texts (personal financial plans, internet discussions or internal data sets),
2. Extraction of key terms,
3. Knowledge management (automatic semantic tagging of documents and sources),
4. Full-text retrieval of information.

The common denominator for the use of the database was unstructured text analysis and information extraction. In some cases, the external institutions declared that the morphological database contributed to an efficient search and retrieval of target information, enabling the users to achieve a high success rate when they were searching the offered applications. A bank still uses it as part of an unspecified software solution still in the process of being developed.

The morphological database was used for the ANTIPLAG system to check originality in graduation theses and dissertations in the assessment period. In 2021, its creators asked the ĽŠIL SAS to license an extended version of it, which was only signed in 2022.

Sources corroborating the impact

– xIT, s.r.o. (2020), a private company processing data and providing server space on the

- internet and associated services (<https://www.finstat.sk/46668489>),
- VÚB, a.s. (2020), leading bank in Slovakia (<https://www.vub.sk/>),
 - Legand, s.r.o. (2018), then SENSE DATA, s.r.o., a private information technology company (<https://finstat.sk/50678922>),
 - met labs s.r.o. (2016), a private information technology company (<https://www.finstat.sk/47078553>)

2.6.2. List of the most important studies and/or other activities commissioned for the decision-making authorities, the government and NGOs, international and foreign institutes (title, name of institution, contract value, purpose (max 20 words))

A. Researchers were active during the five years covered in this report in advisory bodies and committees set up by the Slovak Government, ministries and the European Union:

- Central Language Board at the Ministry of Culture (in the assessment period Gabriela Múcsková – head since 2021, Adriana Ferenčíková, Lucia Molnár Satinská and Pavol Žigo)
- Cultural Heritage Section of the Council on the protection of intangible cultural heritage at the Ministry of Culture (Adriana Ferenčíková)
- Committee of the Ministry of Education, Science, Research and Sport of the Slovak Republic for selection and evaluation of work of lecturers of the Slovak language and culture abroad (Adriana Ferenčíková, Bronislava Chocholová)
- Language Policy Committee for the National Convention (Juraj Dolník, Slavomír Ondrejovič – experts on language policy issues)
- Advisory Committee for the Ministry of Education, Science, Research and Sport considering requests to grant honorary titles to schools and educational facilities (Katarína Kálmánová, Judita Páleníková)
- Working groups specialising in filling available science and research capacities for Research and Innovation Strategies for Smart Specialisation – Slovak Republic at the Ministry of Education, Science, Research and Sport (Mária Šimková – member of the thematic working group for information and communication technology)
- Committee of the Ministry of Education, Science, Research and Sport considering activities in the social sciences and humanities in Slovakia’s representation in ESFRI (Mária Šimková)
- Education Centre, Ministry of Labour, Social Affairs and Family (Lucia Molnár Satinská, Júlia Choleva – gender equality experts)
- Committee of Experts, Council of Europe (Charter for Regional and Minority Languages) (Júlia Choleva)
- UNESCO, Memory of the World (Mária Šimková)
- Slovak Terminology Network for the Directorate-General for Translation of the European Commission (Alexandra Jarošová)
- Terminology Committee, Ministry of Foreign Affairs and European Affairs (Ľubor Králik)
- Terminology Committee, Ministry of Culture (Jana Levická)
- Main Terminology Committee, Defence Standardisation, Codification and Government Quality Assurance Authority (Silvia Duchková)
- Interdepartment Terminology Committee, Security Council (Slovak Republic) (Silvia Duchková),
- Terminology Committee, Ministry of Interior (Silvia Duchková)
- Terminology Committee, Ministry of Environment (Silvia Duchková)
- Terminology Committee, Slovak Government (Iveta Vančová)
- Terminology Committee, Office of Standardisation, Metrology and Testing (Silvia Duchková, Katarína Kálmánová)

- Terminology Committee, Office of the Deputy Prime Minister of the Slovak Republic for Investments and Informatisation (Jana Levická)
- Calendar Committee, Ministry of Culture (Iveta Valentová – head, Denisa Dovičovičová)
- Nomenclature Committee, Geodesy, Cartography and Cadastre Authority (Iveta Valentová – chairwoman, Iveta Vančová – member),
- Permanent Nomenclature Subcommittee for the Terminology Committee, Ministry of Interior (Ľubor Králik, Iveta Valentová)
- Nomenclature Committee, City of Bratislava (Iveta Vančová)

B. Expert services were also provided by researchers to national and local governments during the past six years alongside the previously mentioned committees and advisory bodies. They produced almost 5,000 language counselling reports and 78 specially requested counselling reports. The most important of them are listed below.

1. Silvia Duchková and Katarína Kálmánová provided ongoing expertise in the linguistic, terminological and stylistic aspects of laws, decrees, regulations and socially critical texts for the Ministry of Justice, Ministry of Labour, Social Affairs and Family, the Ministry of Environment and the Ministry of Interior (2016-2021).

2. Katarína Kálmánová provided linguistic and terminological expertise for new defence terms to the Defence Standardisation, Codification and Government Quality Assurance Authority at the Ministry of Interior (2017).

3. The Institute produced an expert opinion in 2017 to address the systemisation of the names of new chemical elements at the request of representatives from the Slovak National Committee of the International Union of Pure and Applied Chemistry (IUPAC). The Codification Committee at the LŠIL SAS produced a scientific opinion on the proposed names in Slovak of new chemical elements with the atomic numbers 113, 115, 117 and 118, as well as a statement on the Slovak names that had not yet been unified for elements 103-116,

4. Researchers of the Institute prepared an expert opinion along with statistical and material documents for the non-standardised naming of the *United Kingdom of Great Britain and Northern Ireland* [*Spojené kráľovstvo Veľkej Británie a severného Írska*] regarding the usage of the *United Kingdom vs. Great Britain* in Slovak, along with other variants used. This opinion had been requested by the Nomenclature Committee at the Geodesy, Cartography and Cadastre Authority. Katarína Gajdošová, Ingrid Hrubaničová, Alexandra Jarošová, Sibyla Mislovičová, Iveta Valentová and Iveta Vančová attended a meeting of the committee on 7 June 2017.

5. Ingrid Hrubaničová produced an expert opinion for the Ministry of Education, Science, Research and Sport on the correct form of the full names of historical figures Ladislav Mednyánsky, Mihály Helmecki, Juraj Szondy/Szondi and Juraj Šucho/Šucha for the naming of schools (2018).

6. Alexandra Jarošová made additions and professionally revised materials for the translation recommendations prepared by the Slovak Translation Centre in Luxembourg for the Directorate-General for Translation of the European Commission (2018).

7. Sibyla Mislovičová produced an expert opinion for the Patent Office and Television JOJ regarding the names JOJ and JOY in order to register a trademark (2018).

8. Lucia Molnár Satinská and Gabriela Múcková prepared several expert opinions for the LŠIL SAS in 2018-2020 regarding the codification of Slovak sign language for the Ministry of Labour, Social Affairs and Family and the Slovak Association of the Deaf.

9. Alexandra Jarošová produced a set of foreign language terms and their Slovak equivalents for the Terminology Unit of the Council of the European Union and for translation centres at EU institutions, along with professional recommendations on how to proceed when translating texts from foreign languages to Slovak (2019).

10. Jana Levická produced several expert analyses in 2019 such as on “*crowdfunding*” for the Ministry of Finance, “*strategic communication*” [*strategická komunikácia*] for the Ministry

of Culture, the Interdepartmental Terminology Committee of the Security Council of the Slovak Republic, as well as an analysis and proposed Slovak equivalents to the English language terms “*research integrity*”, “*research misconduct*”, “*responsible research conduct*” for the Faculty of Arts of Comenius University and the Slovak Centre of Scientific and Technical Information at the Slovak Academy of Sciences, a scientific statement on redefining the unit of amount of substance for the Slovak National Committee of the International Union of Pure and Applied Chemistry (IUPAC).

11. Bronislava Chocholová and Nicol Janočková produced a detailed analysis of the meaning and origin of the words *pohlavie* [sex] and *rod* [gender] (2020).

12. Alexandra Jarošová developed a set of materials on the standardised usage of Slovak equivalents for translating EU legislation from English for translators at the European Commission and other EU bodies (2020).

13. Jana Levická worked with the National Health Information Centre in 2020 and 2021 to develop a methodology for translating the International Classification of Diseases (ICD-11) to Slovak.

14. Jana Levická produced a terminological analysis for the Slovak National Committee of the International Union of Pure and Applied Chemistry (IUPAC) of the Slovak adjectives *molový* [molal] and *molárny* [molar] and linguistic justification for the occurrence of the international derivational suffixes *-árny/-álny* in connection with the usage and spelling of variant isolexic adjectives in chemistry (2020).

15. Iveta Vančová developed an analysis of written Slovak pronunciation in inorganic terminology for the Department of Inorganic Chemistry at the Faculty of Natural Science, Comenius University (2020).

16. Júlia Choleva produced for the Committee of Ministers of the Council of Europe (Charter for Regional and Minority Languages) an expert analysis and an assessment of national reports and recommendations (2019).

17. Sibyla Mislovičová produced a linguistic and terminological assessment of texts and terms in Slovak Technical Standards for the processing of standards at the Office of Standardisation, Metrology and Testing (2016–2021).

18. Miroslav Zumrík prepared background material for authorised representatives from the Ministry of Education, Science, Research and Sport on the advantages, financial requirements and procedure for Slovakia to obtain membership in the CLARIN and DARIAH infrastructures (2021).

19. Perla Bartalošová wrote three professional forensic linguistic analyses for the law office of Timar & Partners, s.r.o., from comparative material submitted to determine authorship.

20. Iveta Valentová reviewed the official calendar and the principles for including given names as name days in the calendar (2016) and drafted an opinion on 25 proposed given names and their inclusion in the calendar as name days (2021) for the Calendar Committee of the Ministry of Culture.

21. Iveta Valentová wrote five opinions on geographical names from cadastral and forestry maps for standardisation and listed names for standardisation and re-standardisation for the Nomenclature Committee of the Geodesy, Cartography and Cadastre Authority (2016 – 2021).

22. Katarína Kálmánová evaluated by expert judgement sixty terms and finalised the NATO Glossary of Terms and Definitions for the Defence Standardisation, Codification and Government Quality Assurance Authority (2020).

23. Iveta Vančová assessed for the Nomenclature Committee of the City of Bratislava Magistrate's Office proposed new names for streets and parks and for all streets in Bratislava (2020, 2021) and provided ongoing advice to committee members.

24. Dana Guričanová assessed and checked more than 2,300 new and revised botanical names and provided ongoing advice to members of the Nomenclature Committee of the Slovak Botanical Society at the Slovak Academy of Sciences (2020).

25. Silvia Duchková revised and evaluated by expert judgement 83 terms for the Defence

Standardisation, Codification and Government Quality Assurance Authority (2021).

26. Iveta Vančová checked and commented on around 650 terms for the Terminology Committee of the Slovak Astronomical Society at the Slovak Academy of Sciences and also on definitions for the preparation of a new publication of astronomical terminology (2021).

27. Iveta Vančová evaluated by expert judgement and checked 3,125 water course names for the Terminology Committee of the Geodesy, Cartography and Cadastre Authority and also 1,300 names in the District of Gelnica, about 1,850 names in the District of Spišská Nová Ves, 2,000 names in the District of Pezinok and the names of locations in Slovakia's forests (2021).

28. Iveta Vančová checked and commented on 305 plant names for the Nomenclature Committee of the Slovak Botanical Society at the Slovak Academy of Sciences.

29. Iveta Vančová assessed and checked a list of name for new materials for the Mineralogy Nomenclature and Terminology Committee of the Mineralogical Society of Slovakia (2021).

30. Iveta Vančová edited and revised 41 new names of geological epochs for the Slovak Stratigraphic Terminology Committee (2021).

2.6.3. List of contracts and research projects with industrial and other commercial partners, incl. revenues (study title, name of institution, contract value, country of partner, purpose (max 20 words))

2.6.4.1 List of intangible fixed assets (internally registered IP (confidential know-how), patent applications, patents granted, trademarks registered) denoting background IPR

2.6.4.2 List of licences sold abroad and in Slovakia, incl. revenues (background IPR identification, name of institution, contract value, country of partner, purpose (max 20 words))

Licences sold (all in Slovakia):

1. **LEGAND, s.r.o.**, non-exclusive, licence against payment, with no restrictions in time, territory and subject matter, for the morphological database (2018)

2. **met labs s.r.o.**, non-exclusive, licence against payment, with no restrictions in time, territory and subject matter, for the morphological database (2016)

3. **xIT, s.r.o.**, non-exclusive, licence against payment, with no restrictions in time, for the morphological database (2020)

4. **VÚB, a.s.**, non-exclusive, licence against payment to the supporting documents required for lemmatisation with the MorphoDiTa tool in the form of a database and related computer program and also a guesser in the form of a database and related computer program where both components will be used for lemmatisation of texts (2020)

5. **Petit Press, a.s.**, non-exclusive, licence for use of dictionary databases (granted for a monthly commission of 50% of revenues from third-party classified advertisements), territorially unrestricted and for an indeterminate period of time (2019)

6. **Zoznam, s.r.o.**, non-exclusive, licence for use of dictionary databases (granted for a monthly commission of 50% of revenues from advertising), territorially unrestricted and for an indeterminate period of time (2019)

7. **Ringier Axel Springer SK, s.r.o.**, non-exclusive, licence for use of dictionary databases (granted for a stipulated fee of €3,000 for 2020, €3,500 for 2021 and €4,000 for 2022 and each year thereafter until the expiration of the contract), territorially unrestricted and for a fixed term of five years (2019)

8. **nettle, s.r.o.**, licence for one year, with royalties of €1,000, to databases containing Slovak language phrase data covering at least 1.3 billion words (n-grams, vector model, language model) and for technical support (2018)

9. **nettle, s.r.o.**, licence for five years, with royalties of €6,000, to databases containing Slovak language phrase data covering at least 1.3 billion words and for technical support (2018)

| | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|--------------------|-------|------|--------|------|-------|------|
| Number of licences | 1 | 0 | 3 | 0 | 3 | 0 |
| Amount received | 2,500 | | 13,000 | | 6,400 | |

Licences provided without financial gain for scientific research (all in Slovakia):

1. **MIM, s.r.o.**, to the morphological database for one year (2020)

2. **Technical University of Košice:**

- For use of XML transcripts and audio recordings from the Spoken Slovak Corpus (*s-hovorsane*) in neural networks to convert spoken words to text
- For use of the morphological dictionary and morphological analysis model in the MorphoDiTa tool created from the morphological Slovak language database
- For use of the morphological dictionary and the morphological model in the MorphoDiTa tool created from the morphological Slovak language database by the Faculty of Mathematics, Physics and Information Systems in the APPV project *Automatizovaná obsahová analýza slovenského mediálneho diskurzu na tému migrácie* [Automated Content Analysis of Media Discourse on Migration in Slovakia]

2.6.5. Summary of relevant activities, max. 300 words (describe the valorisation pipeline in terms of number of disclosures, number of registered IP internally, number of CCR/LIC contracts and their respective summary values, support you are receiving in specific points internally at the institute, at the SAS, externally, as well as limitations and drawbacks.

The LŠIL SAS receives additional funding each year, namely 50% of the income earned from third-party advertising, from licences it has sold to Petit Press, a.s., and Zoznam, s.r.o. for the use of the dictionary databases. In the case of Ringier Axel Springer SK, s.r.o., another company that uses the dictionary databases under a licence sold to it, the Institute receives € 4,000 each year from 2022 until the contract expires.

2.7. Popularisation of Science (outreach activities)

2.7.1. List of the most important popularisation activities, max. 20 items

1. A regular contribution to the popularisation of results from contemporary linguistic research is *Slovenčina na slovičko* [Slovak in a Word], a radio show hosted by Sibyla Mislovičová on usage of the Slovak language. It is broadcast on Radio and Television Slovakia (RTVS) every weekday at 7:00 am and repeated at 4:00 pm (250 first-run and 250 rerun programmes). The show was watched during the assessment period by an average 300,000 listeners, as estimated in a national survey by MML-TGI. All broadcasts have been archived by RTVS and are available online at (<https://slovensko.rtvs.sk/rubriky/slovencina-na-slovicko>). Listeners of all ages tune into the show and actively ask questions. The programme has grown public trust and strengthened the LŠIL SAS as an authoritative source.

2. Production began at the initiative of RTVS on a televised animated serial version of *Slovenčina na slovičko* called *Jazykové dobrodružstvo* [Adventures in Language], which highlights a selection of topics and texts with Mislovičová as a language expert advisor). There were 46 first-run and 360 repeated episodes broadcast on RTVS-2 between 2018 and 2021, with each episode watched by an average 36,000 viewers (data provided from research by RTVS's human resources department). The series was inspired by the previously mentioned radio show and the format consists of short stories a maximum three minutes long illustrating various linguistic and grammatical phenomena in an attractive and

stylised way to promote interest in the Slovak language, popularising and cultivating it in a non-violent way. Each episode has been archived by RTVS and is available at (<https://www.rtvsk.sk/televizia/archiv/14728/200717>).

3. Lucia Molnár Satinská presented *Ako zmizla mnohojazyčnosť z ulíc Bratislavy?* [*How multilingualism disappeared from the streets of Bratislava*] at TEDx Bratislava. There she talked about Bratislava when Hungarian and German used to be heard on the streets along with Slovak. It has since been released in a video (<https://www.youtube.com/watch?v=4j-PmVTT4iY&t=124s>) with 21,000 views.

4. Sibyla Mislovičová was a guest of *Neskoro večer* [*Late in the Evening*], a television show that was taped and first broadcast on RTVS-1 at 9.30 pm on 1 November 2017 (and rebroadcast several times over the next year). Average annual viewership of first-run shows during the year ranged from 256,000 to 323,000 viewers. The show can be watched at <https://www.youtube.com/watch?v=K0gzce5l9Es>, where it has to date 23,432 views.

5. Sibyla Mislovičová appeared on the show *Trocha inak s Adelou* [*Something Different with Adela*], a 60-minute public performance recorded at the Slovak Radio Concert Hall and broadcast on RTVS-2 at 8.20 pm on 30 November 2019 (and subsequently repeated twice). The show's premiere was watched by between 60,000 and 80,000 viewers. Part of the show with Mislovičová has been uploaded and can be watched at <https://www.youtube.com/watch?v=kGaOstl2dF4>, where it has to date 19,005 views.

6. There was an unusual promotion of *Stručný etymologický slovník slovenčiny* [*The Concise Etymological Dictionary of Slovak*], written by Ľubor Králik (1st edition (2015). 2nd edition 2021) on credit cards, in a limited edition with sample headwords, and also pasted Tatra Banka billboards in an advertising campaign that ran from 15 May to 15 August 2017. Interest from the public was evident with sales of 5,700 copies of the first edition of the dictionary and 274 copies of the second edition.

7. Ľubor Králik was interviewed in *Dlhé sólo rozhodnutého etymológa* [*The Long Solo of a Determined Etymologist*], a series of articles edited by M. Podstupka) for the 2016 Report of the Slovak Academy of Sciences, No. 2, p 12-13, which is available at <http://spravy.sav.sk/online/?issue=201602>.

8. Júlia Choleva gave several interviews to local and international media on 15 July 2015 about her role as one of the authors of the first ever Romani-Slovak workbook for first graders in *Vôbec sa nestaráme o to, že na Slovensku máme skupinu ľudí, ktorí si so slovenčinou nevedia rady* [*Nobody seems concerned that there is a group of people in Slovakia that can't speak Slovak*] <https://www.heroes.sk/julia-choleva-rozhovor/>, and for Denník N about how the first ever Romani-Slovak textbook was written: The by-line is *Na Slovensku po slovensky alebo koľko detí nerozumie svojim učiteľom?* [*Speaking Slovak in Slovakia or how many children don't understand their teachers.*] <https://dennikn.sk/2293458/ako-vznikla-prva-romsko-slovenska-ucebnica-na-slovensku-po-slovensky-alebo-kolko-deti-nerozumie-svojim-ucitelom/> (5 March 2021), and she was also a guest at **Rádio Dia:tón** ORF Radio Burgenland on 21 June 2021).

9. An article appeared in the column *Veda na dosah* [*Science within Your Grasp*] for 21 January 2021 about researches at the Slovak Academy of Sciences publishing *Slovenčina na každý deň* [*Slovak for Everyday Usage*]. It can be found on the internet at <https://vedanadosah.cvtisr.sk/ludia/vedkyne-zo-sav-vydavaju-knihu-slovencina-na-kazdy-den/>. It showcases a publication by Sibyla Mislovičová, Denisa Dovičovičová, Silvia Duchková, Dana Guričanová, Katarína Kálmánová and Iveta Vančová, which was published at the end of 2020 as part of *Slovenský pravopis a jeho pravidlá v kontexte súčasnej jazykovedy a jazykovej praxe* [*Slovak orthography and its rules in the context of contemporary linguistic theory and praxis*]. It proved to be extremely popular among the public (Quark magazine featured an interview about it and a competition to win a copy) and 1,300 copies were sold in the first year.

10. Ingrid Hrubaničová produced and moderated a scientific-popularisation discussion for International Mother Language Day, held at the *Modrý salón* [Blue Salon] of the Slovak National Theatre on 21 February 2020. Guests from the Institute's researchers were Gabriela Múcková, Alexandra Jarošová, Lucia Molnár Satinská and German studies

professor Jozef Tancer. The discussion touched upon the different ways the concept of a mother tongue is understood, how it emerged, has been retained and even disappeared, as well as the importance of people speaking their mother tongues for them and the linguistic community.

11. Roman Soóky, Gabriela Múcsková and Patricia Ráczová shared in the writing of *O češtine na Slovensku [Czech Language in Slovakia]*, a series of articles for SME that appeared in the newspaper from 10 September to 29 October 2018).

12. Katarína Balleková, Ľubica Dvornická, Adriana Ferencíková, Martin Chochol, Patricia Ráczová, Miloslav Smatana and Dagmar Šimunová together wrote *Poznáte slovenské nárečia? [Do You Know Slovak Dialects]*, a series of articles for a special newspaper supplement in the 21 November 2018 edition of Pravda about Slovakia in the European Union (p. 20-21).

13. Slovak Radio broadcast a five-part series, *Česko-slovenský príbeh dvoch jazykov [Czech and Slovak: A Tale of Two Languages]*, on 23-27 October 2017. All of the broadcasts started at 11:43 am (<https://slovensko.rtvs.sk/rubriky/146105/cesko-slovensky-pribeh-dvoch-jazykov>). The various aspects of the affinities between Czech and Slovak were discussed by Gabriela Múcsková, Ingrid Hrubaničová, Alexandra Jarošová and Katarína Gajdošová.

14. Gabriela Múcsková produced a thematic double-spread with SME newspaper editor Ela Rybárová on the different names given to Christmas and the lexis associated with Christmas customs. *Vilija aj Krispá. Ako bešedujeme a vyprávame o Vianociach [Viliya and Crispa: How we discuss and talk about Christmas]* was published by SME on 19 December 2020).

15. Ingrid Hrubaničová was interviewed for an article, *Slovenčina sa vyvíja protichodnými smermi [Slovak language heading on opposite directions]* written by Iveta Grznárová), which appeared in *Hospodárske noviny*, on 6 October 2017 (Vol. XXV, No 38), in the magazine supplement of this business and politics journal (p. 6-11).

16. Sibyla Mislovičová was interviewed in 2018 about the present state of the Slovak language for HNtelevízia, an online television station, which can be found at <https://style.hnonline.sk/kultura/1748992-slovencina-je-cool-na-vsetky-situacie-ma-dostatok-pestrych-vyrazov-tvrdi-znama-jazykovedkyna>.

17. The public's interest in Slovak dialects is highlighted in *Nárečja slovenskje*, a programme on RTVS and TV Folklorika that directly references *Slovník slovenských nárečí [Dictionary of Slovak Dialects]*, *Atlas slovenského jazyka [Atlas of the Slovak Language]* and other dialectological publications of the Institute, with technical production of the programme by Ľubica Dvornická, editor Ľuba Šajdová and host Štefan Štec. Between 2019 and 2021, 91 episodes were produced. Each of them was broadcast five times a day and the episodes have been repeated to date 30-40 times. It is available from about 15 operators and reaches 800,000 households.

18. Petržalská superškola [Super School of Petržalka] was a lesson of Slovak taught by Sibyla Mislovičová and organised by the Slovak Academy of Sciences. She taught 400 primary school pupils in the cultural centre of city district Petržalka about how the language developed, new words, grammar and many other phenomena. Information about it can be found at <https://www.petrzalka.sk/2016-03-18-hodina-slovenliny-so-sibylou-mislovicovou/>.

19. Researchers of the Institute prepared a series of popularisation articles for professional journals, such as 72 articles published by *Quark* between 2016 and 2021 on current linguistic issues. *TouchIT*, a journal dedicated to information technology, published 30 articles about terminology from 2016 to 2021 and also interviewed Sibyla Mislovičová twice. All of the articles and the interviews can be found at <https://touchit.sk/jazykove-okienko>.

20. Researchers of the Institute participated regularly and actively in book fair Bibliotéka, where, between 2016 and 2019, they presented the latest publications and both lectured and had informal conversations about current linguistic issues.

2.7.2. Table of outreach activities according to institute annual reports

| Outreach activities | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | total |
|--|------|------|------|------|------|------|-------|
| Articles in press media/internet popularising results of science, in particular those achieved by the Organization | 138 | 55 | 381 | 331 | 415 | 474 | 1 794 |
| Appearances in telecommunication media popularising results of science, in particular those achieved by the Organization | 288 | 285 | 275 | 282 | 290 | 294 | 1 714 |
| Public popularisation lectures | 77 | 22 | 59 | 57 | 15 | 30 | 260 |

2.8. Background and management. Infrastructure and human resources, incl. support and incentives for young researchers

2.8.1. Summary table of personnel

2.8.1.1. Professional qualification structure (as of 31 December 2021)

| | Degree/rank | | | | Research position | | |
|---------------|-------------|-----------|-----------|----------------------------|-------------------|-------|-------|
| | DrSc./DSc | CSc./PhD. | professor | docent/ assoc. prof. | I. | II.a. | II.b. |
| Male | 0 | 9 | 2 | 0 | 1 | 4 | 5 |
| Female | 0 | 21 | 1 | 1 | 1 | 5 | 16 |

I. – director of research with a degree of doctor of science/DrSc.

II.a – Senior researcher

II.b – PhD holder/Postdoc

2.8.1.2. Age and gender structure of researchers (as of 31 December 2021)

| Age structure of researchers | < 31 | | 31-35 | | 36-40 | | 41-45 | | 46-50 | | 51-55 | | 56-60 | | 61-65 | | > 65 | |
|------------------------------|------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|------|-----|
| | A | B | A | B | A | B | A | B | A | B | A | B | A | B | A | B | A | B |
| Male | 2,0 | 1,6 | 0,0 | 0,0 | 1,0 | 1,0 | 3,0 | 1,8 | 3,0 | 3,0 | 2,0 | 1,5 | 0,0 | 0,0 | 1,0 | 1,0 | 2,0 | 1,2 |
| Female | 3,0 | 3,0 | 0,0 | 0,0 | 2,0 | 2,0 | 4,0 | 3,2 | 3,0 | 3,0 | 5,0 | 4,5 | 3,0 | 3,0 | 3,0 | 3,0 | 7,0 | 5,0 |

A – number

B – FTE

2.8.2. Postdoctoral fellowships (positions with holder name, starting date, duration and brief information about each fellow's career path before and after awarding of a PhD degree)

2.8.2.1. MoRePro and SASPRO fellowships

SASPRO project: **Fonologický vývin slovenčiny vo svetle súčasného stavu historickej jazykovedy** (*Phonological Development of the Slovak Language in Light of the Current State of Historical Linguistics*)

Principal Investigator: Siniša Habijanec

Duration: 1 April 2015 – 31 March 2018

Project Registration Number: 0014/01/03

Coordinator: Ľudovít Štúr Institute of Linguistics, Slovak Academy of Sciences

Number of Co-investigating Institutions: 0

Financing: SAV SASPRO €105,083 (€37,598 + €37,489 + €29,996) and FP7 EU: €70,855 (€25,981 + €24,993 + €19,981)

Results obtained:

- Complete digitising of the doctoral candidate dissertation written by Izidor Kotulič (1927 – 2012) *Historické hláskoslovie a tvaroslovie východoslovenských nárečí* [*Historical Phonology and Morphology of East Slovak Dialects*], published in 1957.
- Ten papers published in local and international journals and proceedings (seven classified as Category A).
- Participated and contributed papers at six conferences (one local and the others international)
- Published KOTULIČ, Izidor: *Historické hláskoslovie a tvaroslovie východoslovenských nárečí* [*Historical Phonology and Morphology of East Slovak Dialects*]. Originally released in 1957, it was the first edition of the late linguist Izidor Kotulič's doctoral candidate dissertation and remains the first and only source of Slovak dialectal historical grammar. Even today, it provides much rare dialectal and historical data.
- Published *Fonologické aspekty vývinu slovenčiny* [*Phonological Aspects of the Development of Slovak*].

Siniša Habijanec is a graduate from the University of Zagreb, Croatia, where he was awarded a Doctor of Science in general linguistics. He successfully completed studies for his PhD degree in 2002 at Comenius University in Bratislava. Since SASPRO, he has worked at the Department of the History of the Slovak Language, Onomastics and Etymology at the ĽŠIL SAS, later participating in VEGA No 2/0021/17 *Výskum lexiky slovenských terénnych názvov – 2* [*Research of Lexis of Slovak Anonymyms – 2nd Phase*], primarily researching the appellative and proprial lexis of Slovak terrain names and its lexicographical processing, and since 2020 has led his own project, VEGA No 2/0119/20 *Historická fonológia slovenčiny* [*Historical Phonology of Slovak*] and participating in the building of a corpus of historical texts in the department of the Slovak National Corpus.

In 2021, János Fiala-Butora sought a SASPRO fellowship (SASPRO 2) for his project *When Minority Voices Are Silenced: Rethinking Legal-driven Policies to Fulfil Language Rights*, however he was unsuccessful. He received a total score of 74.80% (consideration required a score of 70/100.00), but possible weaknesses in the project expressed in the Evaluation Summary Report included not sufficient discussion of the state-of-the-art, insufficient explanation of certain methodological issues and a too brief description of the work plan.

János Fiala-Butora works among the scientific staff at the Institute for Legal Studies, Hungarian Academy of Sciences, lectures at the National University of Ireland in Galway and is an attorney for the Hungarian Round Table in Slovakia. He received his Engineer's Degree from the Faculty of International Relations, University of Economics in Bratislava, Slovakia and his Magister Degree from the Faculty of Law, Comenius University in Bratislava, Slovakia. He received his Doctor of Law degree from Harvard Law School in Cambridge, Massachusetts. Fiala-Butora has been awarded numerous scholarships including the Max Weber Fellowship to study at European University Institute in Florence, Italy. His research focuses on protection of the rights of national minorities and disadvantaged groups.

2.8.2.2. Stefan Schwarz fellowships

The following three postdoctoral students were awarded Stefan Schwarz in the period from 2016 to 2021:

Mgr. Martina Kopecká, PhD, received the scholarship for the period from 2014-18 and in 2019 issued *Kodifikačné tendencie v pravidlách slovenského pravopisu z rokov 1931 –*

2013 [Codification Tendencies in the Rules of Slovak Orthography from 1931 to 2013], then working at the Department of Contemporary Lexicology and Lexicography, where she was involved in producing the *Slovník súčasného slovenského jazyka* [Dictionary of Contemporary Slovak Language] and digitalising the *Ortograficko-gramatického slovníka slovenčiny* [Orthographic and Grammar Dictionary of Slovak]. She has been employed at the LŠIL SAS since 2019.

PhDr. Lucia Molnár Satinská, PhD, won a scholarship for 2016-20 and was involved in *Prichádzajúci* [Newcomers], a project where she conducted narrative interviews with students arriving in Bratislava from different regions of Slovakia to attend university. Part of her research included conducting and processing 39 interviews and she published three studies. After completing her studies, she joined the research staff at the LŠIL SAS as head of the Department of Social Linguistics.

Mgr. Natália Kolenčíková, PhD, was awarded a scholarship in 2020 for research into the linguistic-communicative specifics of pre-election communication in the social media environment. She currently works in the Department of Contemporary Lexicology and Lexicography in compilation of the *Slovník súčasného slovenského jazyka* [Dictionary of Contemporary Slovak Language]. She has published three studies under the scholarship programme.

2.8.2.3 Postdoctoral positions from other resources (specify)

2.8.3 Important research infrastructure introduced during the evaluation period with the information about the sources of funding (max. 2 pages)

1. The LŠIL SAS is located in a historical building that has been declared a National Cultural Monument. But this also implies some disadvantages because of the greater care and more costly maintenance required. Nevertheless, it is intended for scientific researchers and the building is equipped with adequate facilities including high-quality technical equipment that meets required standards.

Computers and other technical equipment are purchased on an ongoing basis as needed from project funds. At present, all researchers (except service personnel) have a computer with one or more LCD monitors and most are using laptops (especially for working from home) and notebooks. The LŠIL SAS provides its researchers with the option of connecting to the internal network (IPv6 only) through OpenVPN, while selected staff members also have remote access through the SSH protocol, Remote Desktop and VNC.

The Institute has deployed IPv6 in its production environment, through which it also makes the dictionary portal, the Slovak National Corpus and other services available to the public through its website using TCP/IP.

The Slovak National Corpus fully supports open source software solutions. The vast majority of workstations and servers use GNU/Linux (Ubuntu, Debian) as their operating system and avoids the use of proprietary file formats for data exchange. The LŠIL SAS uses gigabit Ethernet and is connected to the SANET network through a one gigabit per second fibre-optic link.

Its computer network runs on several powerful servers that are used for scientific research. The Institute has overall six powerful servers with a total of 128 cores and 100 TB of storage space. It has its own SMTP server, another ejabberd server for instant messaging that runs on the XMPP protocol and its own WorldWide Web servers to provide services to the general public.

The LŠIL SAS holds extensive archival material, which is also accessible to other scientific disciplines and the professional public. The material is extensive and in the form of excerpts in a systematic card catalogue, currently used to create the *Slovník súčasného slovenského jazyka* [Dictionary of Contemporary Slovak Language], special excerpts and excerpts from the historical card catalogue. The archive includes a collection of dialect texts created from systematic field linguistic research in all villages throughout the territory of Slovak dialects and includes the autochthonous form of local Slovak dialects ranging from the 1930s to the end of the 20th century. Archival sources are currently being digitised and

new electronic devices have been introduced, all with the aim of making selected linguistic sources in books (so-called anthologies and dialect readers), digitally edited sources (for a closed corpus of texts) and the inaugurated state-of-the-art audio media with records of Slovak dialects both professionals and the general public can reference. The archival material kept by the Institute is used by its researchers in their scientific research and lexicographical work. Due to the unique nature and originality of the material, a large number of researchers from Slavic studies departments at universities around the world visit the archives as well as representatives from Slovakist institutions and the general public.

The L'ŠIL SAS has its own library and its collection of books and bound periodicals, including from outside Slovakia, currently include about 31,000 publications and special documents (and about 130 dissertations and research reports, alongside a database of the currently 157 accessible linguistics works). Another 179 publications are accessible at the institutional repository operated by the Slovak Academy of Sciences. Each department at the Institute has also built up their own reference libraries, which are continuously updated with the latest scientific literature.

2. The Institute's building is operated and maintained from funds appropriated from the government and also financed, in case of emergency, from the Slovak Academy of Science's own resources. Project funds were used to purchase computer equipment.

2.9. Supplementary information and/or comments on all items 2.1 – 2.8 (max. 2 pages in total for the whole section)

Nationally, the L'ŠIL SAS holds a special position not just within the scientific linguistic community. Because its research involves language and communication, and also because of the prestige attributed in society to the codified form of the language, which is currently reinforced through the Act on Use of the National Language, the Institute is more widely perceived among the broader public, in the media and institutional communication and also in education.

For this reason, a large part of the Institute's basic research activities come from demands that have been placed on linguistics and likewise its response to social and institutional demands placed on promoting, popularisation and language education.

Following requests from major institutions and universities both locally and internationally, researchers of the Institute have given a considerable number of lectures on the Slovak language, research conducted into it and its use.

A. Major institutions have expressed a lot of interest in having their staff trained in the usage of the language in official communication and in up-to-date research therein. Their activities are also evidence of the Institution's good reputation among the public. On one hand, this interest confirms the professional and cultural need for expert opinions on language issues and linguistic research in general, while on the other hand it also provides proof of the trust the public has in linguists and the respect they have for the outcome of their research.

People attending the lectures get the opportunity to receive up-to-date information on research currently being conducted on the Slovak language at all levels while, for the lecturers, direct contact with professionals and the broader cultural public, as well as with students, inspires them further to research the dynamics of linguistic phenomena and to publish the results of their research.

Researchers at the L'ŠIL SAS have over the previous six years delivered a total of 211 requested lectures at various institutions and universities. Target groups were government civil servants; ministries; banks; law offices; European translation units in Luxembourg and Brussels, as well as Bratislava; translation associations and publishing houses; public relations agencies, institutes within the Slovak Academy of Sciences and academies of sciences in Czech Republic, Hungary, Serbia and Poland; members of terminology committees; and students in universities and other higher education institutions in Slovakia and also in Spain, Russia, Bulgaria, Poland, Austria, Georgia, China, Slovenia and Germany.

Number of lectures and participants at major institutions between 2016 and 2021

| | | | | | |
|-----------------------------------|------------------------------------|--|-----------------------------------|---|---|
| Ministries (Slovakia) | Authorities and offices (Slovakia) | Banks, law firms and public relations agencies | Translators and publishing houses | General public, primary and secondary schools | Terminology committees, Slovak Academy of Science and foreign academy of sciences |
| 37 lectures/ 1490 participants | 28 lectures/ 1000 participants | 23 lectures/ 650 participants | 21 lectures/ 850 participants | 12 lectures/ 800 participants | 11 lectures/ 260 participants |

A **total 132 lectures** were held at institutions between 2016 and 2021, with a total of **5,050** participants attending.

Number of lectures at universities and higher education institutions in Slovakia and other countries

| | | |
|---|--|--|
| Slovak universities and higher education institutions | Foreign universities and higher education institutions | Total number of lectures/attendees (estimated) |
| 49 lectures/ 1110 participants | 30 lectures 650 participants | 79 lectures/ 1750 participants |

A **total 79 lectures** were held at universities between 2016 and 2021, of which **30** were outside of Slovakia.

B. Results of research presented at public events

The Institute hosted four **open houses** in the assessment period during Science and Technology Week at the Slovak Academy of Sciences to showcase its technology and popularise linguistics. Researchers explained what they did, presented their projects and outputs, talked to visitors about the language and provided them with live language counselling services. They also prepared various games, quizzes and competitions, along with organising excursions for pupils from primary schools and grammar school students.

Institute researchers also regularly participated in **European Researchers' Night**, which in Slovakia was held both in Bratislava and Banská Bystrica, and entertained visitors with short lectures, presentations, talks, games, quizzes and contests, acquainting them with what the different departments do.

The Institute helped organise the **European Day of Languages**, which aims to raise awareness about the diversity of languages and cultures among the different nations and nationalities of Europe. For this interactive event, researchers of the Institute presented a lot of wonderful information, presentations and contents especially for younger people in schools. They gave short interviews to the media and hosted some events, too.

In 2018 and 2019, Institute researchers actively participated in **Slovak Academy of Sciences Weekend** to celebrate its 65th anniversary. During the two-day event, they answered questions from visitors, presented publications and resources from the Institute's website and tested visitor's knowledge of the Slovak language in tests and quizzes. A number of researchers explained in conversations as part of *Books Come Alive – Ask the Scientists*.

They also actively participated in other events such as the **Roadshow for Young Scientists**, an event popularising technology and science for secondary school students which was organised by the Slovak Academy of Sciences in 2017 and 2019. In the same years, they also showcased language at **Linguafest** and in 2016 spoke to primary school pupils at **Petržalská Super School**. Researchers also organised a popularisation discussion at **Staré Mesto stále mladé [Old Town Still Young]**. Other events that featured researchers from the Institute were **Cestovanie časom [Time Travel]** in 2016, the interactive **Vedecký veľtrh [Science Fair]** in 2019 and, in that year, they also organised and hosted **Domáci (a) cudzí v Bratislave [Local and Foreign in Pressburg]**.

Several researchers delivered lectures and gave presentations of their publications at the international book fair **Bibliotéka** that was held at the Incheba Centre in Bratislava. There they presented *Stručný etymologický slovník slovenčiny* [The Concise Etymological Dictionary of Slovak] by Ľubor Králik. Volume 3 of the *Slovník súčasného slovenského jazyka* [Dictionary of Contemporary Slovak Language] by Alexandra Jarošová, *Rozpomätávanie: Prvá svetová vojna jazykom prastarých otcov a materí* [Remembrances: The First World War in the Language of Our Grandfathers and Grandmothers] by Katarína Balleková and Miloslav Smatana), *Čabianske priezviská* [Surname in Békešská Čaba] a *Komlóšske priezviská* [Surnames in Tótkomlós] by Iveta Valentová, *Frekvenčný slovník hovorenej slovenčiny na báze Slovenského hovoreného korpusu* [Frequency Dictionary of Spoken Slovak Based on the Slovak Spoken Corpus] and *Frekvenčný slovník slovenčiny na báze Slovenského národného korpusu* [Frequency Dictionary of Slovak Based on the Slovak National Corpus] by Mária Šimková, *Slovník slovných spojení. Podstatné mená* [Dictionary of Collocations: Nouns] and *Slovník kolokácií prídavných mien v slovenčine* [Dictionary of Adjective Collocations in Slovak] by Daniela Majchráková and Kristína Bobeková. In addition, Sibyla Mislovičová talked about language in public, how she speaks about language to children and presented the journal *Kultúra slova* [Culture of the Word].

Adriana Ferencíková, Dagmar Šimunová and Ľubica Dvornická were each year on the panel judging what primary school pupils from throughout Slovakia and outside of the country had to say in **Prečo mám rád slovenčinu, prečo mám rád Slovensko** [Why I Like Slovak, Why I Like Slovakia].

Anna Šebestová was each year a member of the panel of judges in the **Prekladateľská univerziáda** [Translation Universiade] organised by the Literary Fund at the Faculty of Arts, Comenius University, the Society of Scientific Literature Translators in Slovakia and the Society of Fiction Translators in Slovakia.

Renáta Ondrejková judged science fair entries sponsored by the **Research Institute of Slovaks in Hungary**.

Mária Šimková and Katarína Gajdošová were judges at **A Slovo bolo u Boha** [And the Word Was with the Lord] a national poetry and prose recitation contest for students from religious schools in Bratislava.

Lucia Molnár Satinská judged original prose that had been published in the previous year in a panel for awarding the **Anasoft Litera Prize**, one of the most prestigious and best-rated in Slovakia.

Ľubor Králik joined the **Tatra Banka Academy Foundation**, serving there from 2017-2021 and, in the first round of evaluation, judged nominations for the Tatra Banka Foundation Prize for the Arts.

3. Implementation of the recommendations from the previous evaluation period

3.1. Internationalisation of research

The most important recommendation from the 2016 Meta-Panel Assessment Report was to strengthen international project and publication activities and to increase the number of foreign publications and of publications in English and other foreign languages, thereby raising the profile of the Institute's achievements internationally, as well as the Slovak language itself.

In this respect, the Institute reinforced the international dimension of its activities and the internationalisation of its research over the six-year period reviewed here through a) international projects; b) publications in foreign languages and/or issued in foreign countries; c) conferences; and d) activities in international organisations and societies.

a) International projects. In the assessment period, the Institute was involved in a total 18 international projects of different types comprising those within European frameworks and programmes, financed from local sources and bilateral projects.

1. The largest scope for international cooperation in projects comes in the field of natural language processing, language technologies, building of corpora and development of corpus tools. Within this category, interdisciplinary projects from a multilingual perspective address the development of tools for automatic translation and language acquisition, as well as engaging in the issue of equal representation of languages in the digital marketplace. Overall, there were nine projects (cf. 2.4.1): two from CEF.AT (*Curlicat*, *MARCELL*), the *European Language Grid* (from the EU's H2020 programme), four COST projects (*PARSEME*, *enetCollect*, *Nexus Linguarum*, *LITHME*), *slovaque.eu* (Erasmus+), and *European Language Equality* (EÚ PPPA), where the Institute was represented as a National Competence Centre. In a similar role as a National Anchor Point, the Institute is also involved in European Language Resource Coordination.

2. Another scientific field where the Institute has been visible in international projects is lexicography, specifically its participation in the development of electronic lexicographic resources as part of the *European Network of e-Lexicography* (ENeL) in the COST programme and the *European Lexicographic Infrastructure* (ELEXIS) as part of Horizon 2020 programme, in which the Institute is participating as an observer.

3. In the area of language policy, the Institute is involved in the projects of *European Federation of National Institutions for Language* (EFNIL, <http://efnil.org/>) – *European Language Monitor*, *European Languages and their Intelligibility in the Public Space* and *Language Legislation Europe*. The Institute also applied in 2019 for the project *VOICE – When Minority Voices Are Silenced: Rethinking Legal-driven Policies to Fulfil Language Rights* within the Marie Curie Fellowship (Call: H2020-MSCA-IF-2019; Type of action: MSCA-IF-EF-ST) and in 2021 for the project *DIVE – The Past, Present and Future of Digital Re-configurations, Inclusion and Diversity in Multilingual Schools in Denmark, Finland, Poland, Romania, Slovakia and Sweden* within EU CHANSE (<https://chanse.org/>), but was unsuccessful in both.

4. International linguistic-comparative research focused primarily on Slavic languages, and was carried out: a) within projects and programmes of the International Committee of Slavists, specifically the project *Slavic Linguistic Atlas* (cf. 2.4.4) and by activities in the programmes of ten committees (cf. 2.3.1); and b) in six bilateral projects organised pursuant to inter-academic agreements with scientific institutions in Poland (2), Bulgaria (2), in North Macedonia and Serbia. The intra-linguistic comparative aspect is also present in research concentrated in the foreign varieties of Slovak out of bilateral agreements, currently with the Research Institute of Slovaks in Hungary (Výskumný ústav Slovákov v Maďarsku) in Békéscsaba, Hungary.

A major and often mentioned recommendation from an international panel involves the incorporation of research and projects, particularly in corpus linguistics, into the international research infrastructures of CLARIN-ERIC and ESFRI. The panel's own opinion stated that the accomplishment rests on the willingness of national representatives to create an RI Roadmap for Slovakia and to allocate government funds for membership fees in major international scientific infrastructures, such as CLARIN-ERIC and DARIAH in the case of Slovakia. In the last six years, attention has been drawn by us each year to this issue when assessing project tasks for the building and development of the Slovak National Corpus. A committee has been set up at the level of the Slovak Academy of Sciences for this purpose and a researcher from the Institute serves on this committee. In this context, the Institute has prepared material on the conditions for Slovakia to enter these organisations for the Ministry of Education, Science, Research and Sports. Nonetheless, these activities were not successfully completed and, as of 31 December 2021, no funds have been appropriated by the Slovak Government to cover the fees for Slovakia's inclusion in these international scientific infrastructures. This has caused the Institute to lose out on the crucial opportunities that come with full membership in the infrastructures, instead of its current status of an invited expert or observer, and the associated funding to support research in many areas of the humanities.

b) Publications in foreign languages and/or in foreign countries. Two books have been published in both English and Slovak (*Láska v číslach: Sládkovičova Marína pohľadom kvantitatívnej lingvistiky. – Love in Numbers: Sládkovič's Marína from the Viewpoint of Quantitative Linguistics* (2020) and *Človek a jeho jazyk 4. Terminologické inšpirácie profesora Jána Horeckého/Man and His Language 4. Selected Terminological Papers of Ján Horecký* (2019). The Institute had a total of 65 outputs published in English and 17 in other foreign languages (10 in Russian, two each in German, Hungarian and Esperanto and one in Italian). There were a total of 115 outputs published outside Slovakia (including outputs in Slovak). In addition, there were three special issues of *Jazykovedný časopis [Journal of Linguistics]* (2017/2, 2019/2, 2021/2) that were devoted to corpus linguistics and written just in English.

In addition, both *Jazykovedný časopis* and papers collected from international conferences are platforms for introducing articles on foreign languages, written by foreign linguists, into Slovakia's scientific context. For example, *Jazykovedný časopis* published more than 140 articles by foreign authors, more than 100 of them in English between 2016 and 2021.

c) Conferences. Active presentations by 17 researchers participating at scientific events outside Slovakia (cf. 2.3.6), in which the papers are ordinarily presented in foreign languages, and a total of 28 conferences organised or co-organised by the Institute in Slovakia during the previous six years, have contributed to the publicising of research results. The most significant events during this period include three conferences focused on corpus linguistics – SLOVKO 2017, 2019 and 2021, and the 27th International Congress of Onomastic Sciences, held in Krakow, Poland (cf. 2.3.2). In 2020, the Institute was selected from among four candidates to host the 18th Annual Meeting of the Slavic Linguistics Society, which will take place in Bratislava during 2023.

d) International organisations and businesses. Membership by Anežka Gál, Slavomír Ondrejovič and Júlia Choleva in the *European Federation of National Institutions for Language* (EFNIL) contribute toward the Institute's commitment to engage itself internationally. One of them, Júlia Choleva, was appointed to the Council of Europe's Committee of Experts for Regional and Minority Languages and she participated in three of the organisation's projects.

In addition, researchers from the Institute below have been and some still remain members of several international scientific organisations and societies:

Slavic Linguistics Society: Gabriela Múcsková, Radovan Garabík, Miroslav Zumrík, Jana Levická;

Societas Linguistica Europaea: Slavomír Ondrejovič, Júlia Choleva;

Association for Computational Linguistics (ACL): Vladimír Benko;

European Association for Lexicography (EURALEX): Vladimír Benko;

LAEL Society: Anežka Gál;

Language, Power and Ideology: Anežka Gál;

European Association for Terminology (EAFT): Jana Levická;

International Society for Dialectology and Geolinguistics (SIDG): Gabriela Múcsková;

INSOLICO, International Sociolinguistic Association: Slavomír Ondrejovič;

International Society of Phonetic Sciences: Slavomír Ondrejovič;

Slovak Studies Society: Slavomír Ondrejovič;

IprA, International Pragmatics Association: Júlia Choleva;

Language Technology Council: Radovan Garabík;

Deutsche Gesellschaft für Namenforschung (GfN) e.V.: Milan Harvalík;

International Council of Onomastic Sciences: Milan Harvalík.

3.2 Theoretical and interdisciplinary research

Another important recommendation spurred by the Meta-Panel evaluation was to strengthen research and outputs of a theoretical nature and interdisciplinary in focus.

a) Outputs of a theoretical nature. Although no specific project could be initiated with a solely theoretical or general linguistic focus, theoretical and methodological issues are present in most of the projects and they are continuously presented in partial studies and works. The theoretical and generally linguistic nature of the research has been reinforced in the following areas:

- Corpus linguistics: *Filozofické aspekty korpusovej lingvistiky* [Philosophical Aspects of Corpus Linguistics] by Miroslav Zúmrík was published in 2020 and two issues of *Jazykovedný časopis* [Journal of Linguistics] (2/2019, 2/2021) concentrated on corpus linguistics, with some of the articles also devoted to theoretical issues.

– Etymology and dialectology: both the correlation of historical and linguistic aspects of dialectological lexicography and findings from etymological research were discussed in a monograph by Ľubor Králik: *Etymológia a nárečová lexikografia (na materiáli Slovníka slovenských nárečí)* [Etymology and Dialectal Lexicography (on the Material of the Dictionary of Slovak Dialects)], published in 2020.

– Social linguistics: the theory and philosophy behind linguistics was the nature of Juraj Dolník's *Jazyk v sociálnej kultúre* [Language in Social Culture], published in 2017.

– Theoretical issues in grammar, semantics and lexicographic theory: these issues were discussed in several journal articles written by Alexandra Jarošová and Martina Ivanová.

The editorial board of *Jazykovedný časopis* [Journal of Linguistics] has gradually strengthened its publication policy to incorporate independent research into theory and methodology and, since 2016, it has expanded the number of issues per year from two to three, with at least one issue focusing thematically on general linguistic, methodological, pragmalinguistic and cognitive aspects of language. Such a focus was most prominently reflected in Issue 2016/3, which was devoted to Asian languages specialist Viktor Krupa, Issue 2018/1 on the interdisciplinary reflection on aspects of language and its cognition; Issue 2020/2 on the work of Slovak general linguist Ján Horecký and Issue 2021/1 discussing theoretical issues of onomastics and the scientific work of Vincent Blanár.

Concrete steps were taken toward strengthening this area of research by requiring the incorporation of theoretical issues into the aims and objectives of newly-submitted projects and to create space for individual research with a deeper theoretical focus within larger, longer-term team projects, such as in lexicography. Seminars held jointly with the Faculty of Arts at Comenius University and meetings with young linguists, which are always focused on a specific topic, both delved into theory and methodology, as efforts were supported to reinforce interest in this field among youth and people looking into a linguistic career.

It should nonetheless be noted that basic and empirical research of the language prevails in the Institute, yet with a view toward long-term projects and also in consideration of its extensive tradition of empirical research. Therefore, any strengthening in the theoretical dimension of research, certainly warranted, requires a long period of time.

b) Interdisciplinary research is present in several topics that have been covered by the Institute. First, there are a number of international and local projects covering the entire fields of corpus linguistics and natural language processing (cf. 2.4.1 and 2.4.6) that involve both linguists and information technology experts employed by the Institute.

Other projects also have a defined interdisciplinary nature:

– APVV (cf. 2.4.3/3), a project concentrating on linguistic issues in Slovak as a Foreign Language that was undertaken with the Faculty of Arts, Comenius University;

– APVV (cf. 2.4.3/4) focuses on applied research in Digital Humanities in order to create an annotated full-text digital collection of Slovak prose, where the L'ŠIL SAS joined researchers from the Institute of Slovak Literature of the Slovak Academy of Sciences, and from the Faculty of Arts at Constantine the Philosopher University in Nitra;

– The already completed VEGA project focused on spoken communication among Slovak youth in Croatia and Serbia from a sociology, social psychology and sociolinguistic perspective, addressed in cooperation with the Institute of Social Sciences, Slovak Academy of Sciences in Košice.

These projects also reflect recommendations made by the evaluation committee to expand cooperation with other institutes within the Slovak Academy of Sciences. Currently, this cooperation within the academy has also been expanded to include the Institute of World Literature. Together with it, the Institute submitted a new APVV project in 2021, which has been approved. Primarily researchers from the Department of Social Linguistics have been cooperating with the Institute for Research in Social Communication, but on no specific project to date.

An interdisciplinary approach has been evident for a long time in several of the disciplines that have developed at the Institute, such as sociolinguistics and social linguistics, terminology, etymology, dialectology, historical linguistics and onomastics. Lexicographical works necessarily go beyond lexicology itself, linking many linguistic disciplines and interconnecting linguistics with a large range of disciplines. For instance, the authors of the *Slovník súčasného slovenského jazyka* [*Dictionary of Contemporary Slovak Language*] have been collaborating with about 70 expert consultants from 105 disciplines.

Of course, linguistics offers even more opportunities for interdisciplinary research, but staff limitation make it impossible to cover all of them.

3.3 International linguistic research and cooperation with universities

Interdisciplinarity is even more applicable within the linguistic disciplines, which are widely intertwined in the Institute's research. Although the Institute is internally divided into departments with a dominant scientific focus, several project teams nevertheless include experts from different departments. They cooperate closely to meet current needs when addressing a number of issues and this is sometimes visible in the publications jointly written by authors from two or more departments.

Within the linguistic disciplines, the Institute cooperates extensively with Slovak language departments at universities in Slovakia, as evidenced in ten joint grant projects that have been implemented in the six years covered in this report. There are four APVV projects coordinated with faculty departments (cf. 2.4.3), seven VEGA projects where the L'ŠIL SAS was the principal coordinator and six VEGA projects coordinated by the faculty departments themselves (cf. 2.4.4).

It should be mentioned at this point that the number of projects and co-authorships in publications is not always an objective indicator of the degree of collaboration with a specific university institution. Despite the absence of a joint project, the Institute cooperates quite extensively with its counterparts from the Faculty of Arts at the University of Prešov. They are participating in producing contemporary lexicographical works as either consultants or scientific editors working either through a subcontract or part-time. Collaboration with the Department of Slovak Language at the Faculty of Arts, Comenius University is reflected in several common grant projects and also covers PhD. studies. The Slovak Linguistics Society at the Ľudovít Štúr Institute of Linguistics has also been developing cooperation with all departments concentrating on Slovak language research. Outside of Slovakia, the Institute works closest with linguistics departments in the Czech Republic, followed by Poland and Slovakists in Hungary (for further information about cooperation with Slovak language departments, see 2.5, 2.3.5).

3.4 Journal publishing

The recommendation from the evaluation committee to consider reducing the number of journals the Institute publishes from the current three has been a topic of discussion among the Institute's management and also in the wider academic community on several occasions. In many ways, such a request makes sense, as management and editorial work is time consuming and, unfortunately, not reflected in any annual performance appraisal of the Institute. Yet in contrast, the journals are strongly defined both professionally and in terms of

their readership. *Jazykovedný časopis* [*Journal of Linguistics*] has a theoretical nature, publishes papers written in foreign languages, and serves as an important link internationally and in theoretical research on language. *Slovenská reč* [*Slovak language*] has a 90-year tradition and is a unique, Slovakist linguistic journal that significantly integrates Slovak and foreign Slovakist linguists. *Kultúra slova* [*Culture of the Word*] is a professional journal with a marked social impact and interdisciplinary aspect due to its concentration also on terminology. Respecting the long tradition of this scope and authority the journals have among the linguistic community, the Institute has been endeavouring to keep all three journals running, although it is possible that, in future, they will either be integrated or one of them will cease to be published.

3.5. There is an initiative regarding the Institute becoming involved in some form of international education, especially in the case of doctoral students, cf. 2.5.8 and 4/IV.

3.6 Institute name

The meta-panel assessment report opened up the question of the Institute's name. Since it is primarily devoted to Slovak language issues and both basic and empirical research dominates over theoretical research, changing the name to the *Institute of Slovak Language* (Ústav slovenského jazyka) has been suggested. However, there are several reasons for keeping the original name. Without doubt, tradition plays a role as the Institute's current name has been in place since 1966 and there is general social awareness and respect for it (and also for the historical significance of Ľudovít Štúr, whose name also appears in the designation). Both the administrative and probably also the financial costs of changing the name are hardly negligible.

In recent years, management at the Institute and the objectives behind several projects have focused on reinforcing the theoretical and international aspects of its research (cf. 3.1 and 3.2), which would – among other things – bear witness to the validity of using the term “linguistic” in the Institute's name.

4. Research strategy and future development of the institute for the next five years (Recommended 3 pages, max. 5 pages)

Research strategy of the institute in the national and international contexts, objectives, and methods (including the information on when the strategy was adopted)

The Institute's scientific policy, research strategy and objectives related to its further development were developed in 2017-21 from the Research Development Action Plan it had adopted in 2017. The Action Plan was itself based on recommendations the International Meta-Panel had made and on an assessment of the Institute in 2016, following up on what the Slovak Academy of Science had expressed in its own Action Plan.

The strategies and roles the Institute will be undertaking in the next period build on both short and long-term goals set out in the Action Plan, ensuring research continues as it is, expands and is modified to reach new objectives 1. covering missing or under-researched linguistic fields of research (while taking into account the latest theoretical and methodological trends in linguistics internationally; 2. responding to current societal challenges in language research and use; and 3. reflecting transnational scientific research objectives that have also been presented in EU Framework Programmes and other international programs funding science and research.

In all of the planned strategies and intentions, international and national dimensions intertwine to varying degrees, depending on their nature, while also considering nationally the dimension of the Institute's own scientific activities and those of other departments of Slovak studies.

I. FOCUS OF THE RESEARCH AND ITS PROJECT FUNDING

1. An integral part of the objectives for the near (and longer) term is to maintain and develop current research and projects, especially long-term research projects that reflect broader professional and societal demands placed on linguistics. This reflects the desire for continuity in long-term basic research on the Slovak language, which currently focuses primarily on its vocabulary and grammar within the full breadth of the national language and on linguistic phenomena and issues related to how the standard language truly functions, including research on its social and pragmatic aspects. Specifically, research is carried out within long-term and follow-up projects and activities beyond their realm.

- Multi-volume lexicographical projects: compilation of new dictionary volumes (Dictionary of the Contemporary Slovak Language and Dictionary of Slovak Dialects) and new parts of specialised electronic databases (terminological, etymological and onomastic);
- Creation of new databases and ongoing development of existing databases in the Slovak National Corpus project;
- Processing and cultivating terminologies;
- Building corpora and developing specific software tools for natural language processing;
- Sociolinguistic research of Slovak that concentrates on the variation and dynamics of language and communication, along with research on language policy in current and historical social situations and on the use of language in social interactions from an interdisciplinary perspective;
- Cultivation of the language's standard form and its codification;
- Comparative linguistic research as part of the *Slavic Linguistic Atlas* and bilateral projects;
- Research into Slovak as a minority language and language islands abroad;
- Applying and promoting results from research in a language counselling, expertise activities, lectures and information events.

In addition to large team projects, research continues to be carried out to a lesser extent in smaller or individual projects with thematically specific and individual outputs.

A major element in all the projects and activities outside of projects is planned and balanced development of their theoretical platforms and related publishing activities.

2. The research development strategy links new areas and projects that have been initiated as part of plans for the coming period. They focus primarily on what currently conducted research requires (research into grammar and semantics – 2.1), social reflection on the status and functioning of the standard language (investigating language policy and cultivation – 2.2), the need for interdisciplinary research that reflects major societal issues (research into the social and cultural aspects of the language – 2.3), on imperative improvements in the quality of the existing corpora and the creation of new types of databases with respect to interdisciplinary research, especially in the digital humanities (2.4).

2.1 Implementation of lexicographic projects, corpus-based research into contemporary language, and linguistic counselling require a significant expansion of scientific research into **grammar** and **semantics** (including a look more deeply into the cognitive and pragmatic aspects of how the language functions). Partial research is currently being carried out within these projects, taking different methodological approaches, and the results from them are presented in separate outputs. The Institute's ambition is to coordinate and expand such partial research to involve university departments to gradually create prerequisites for more complex processing. The Institute enjoys a unique position here because it can use corpus analytical tools and annotated corpus databases.

2.2 The current dynamics and status of standard Slovak have long made clear the need for change in the targeted cultivation of the language within a **language policy**, with regard to more liberal setting of the boundaries for codified standard to reflect spontaneous development of the language and real usage both in codification and in changing the perception of the codification status. This intention dovetails with current international trends in language planning and the theory of standardisation, both widely promoted in scientific research currently taking place in Slovakia (such as the Institute's creation of the *Slovník súčasného slovenského jazyka* [*Dictionary of Contemporary Slovak Language*] and planned

codification as part of the project *Slovenský pravopis a jeho pravidlá v kontexte súčasnej lingvistiky a jazykovej praxe* [Slovak Orthography and Its Rules in the Context of Contemporary Linguistic Theory and Praxis], alongside projects devoted to contemporary language and its dynamics). However, they need to be more strongly reinforced in applications, as well as in schools and proofreading practice. The Institute intends to contribute toward strengthening the self-confidence of language users by popularisation activities and also to initiate necessary amendment to current Slovak language legislation by cooperation with the Ministry of Culture and the Central Language Council within its organisation to achieve these aims.

2.3 Research into the **social and cultural aspects** is a response to current language research requirements in social events and culture, and is also a snapshot of society and culture in language. It includes both the traditional fields of sociolinguistics and pragmalinguistics along with research into language attitudes and misuse of the language to manipulate and discriminate. Because these topics transcend the national context, the Institute will continue to seek involvement in EU projects with a thematically similar focus, even after two unsuccessful attempts to do so. The Institute's specific aims here are tied to results from the currently ongoing project **Discriminative instrumentation of language** aimed at uncovering discriminatory linguistic practices in diverse social and political discourse (such as issues of gender, ethnic and social discrimination). A new project is planned (under the APVV scheme) on disinformative instrumentation of language, which covers linguistic aspects of expressions, forms and sources of disinformation and hoaxes (and also looking back over historical periods).

2.4 Further activities in corpus linguistics and natural language processing (NLP) will concentrate on the development and improvement of automatic semantic annotation (named entities and their co-references), deployment of large deep learning language transformation models for NLP, research of the Institute's own deep learning models, evaluation of state-of-the-art language processing tools and further integrating NLP processing tools and resources owned by the Ľudovít Štúr Institute of Linguistics into central European repositories. Reaching these objectives is inevitably linked to continued participation in European project programmes.

In order to make interdisciplinary use of the corpus databases, research is turning to translation studies and literary science. In the first case, the Institute's ambition is to incorporate the use of parallel corpora of the Slovak National Corpus project into teaching and practical training of translators, while contributing toward contrastive research driven by the corpus databases to describe translation procedures. Collaboration with experts in these fields from universities is envisaged for this purpose too, which can build on repeated presentations members of the Slovak National Corpus give at universities. The second case involves working within the framework of two ongoing projects (construction of the Slovak National Corpus pursuant to contracts with government ministries and a new approved APVV project), envisaging the creation of the first ever literary and author corpora in Slovak with specific literary and scientific annotations to underscore new possibilities of literary and scientific research and help stir up interest in digital humanities within Slovakia.

These new research initiatives presume broader cooperation both among researchers in different departments at the Institute and collaboration either with experts or teams from the universities or other institutes at the Slovak Academy of Sciences, also joined by partners from outside Slovakia. They will be implemented (or already have been) as part of ongoing projects and their objectives (2.1, 2.2, and partially 2.4), or will be in new projects submitted for this year and next (2.3, and partially 2.4).

The Institute's policy on projects also seeks to increase the diversity of their forms and strengthen, alongside the predominant VEGA projects, the number of APVV projects. Objectives clearly include participation in international European projects and calls, especially those covering expansion into more areas and topics (corpus linguistics currently dominate here) which involve a larger number of staff.

II. PUBLICATION POLICIES AND RAISING THE QUALITY OF RESEARCH OUTPUTS

The Institute's policy on publications, reinforced in recent years, is to reinforce their relevance (including in terms of evaluation criteria for publication) and to present them outside Slovakia. The tasks stemming from the publication policy include:

1. Preparing and publishing (either by a single author or a team) monothematic scientific outputs and theoretical monographs based on ongoing synthetic projects. The intention is based on an idea that synthetic dictionaries and databases are not just the results from research, but also constitute a starting point for further specialised analyses and original scientific interpretations. Therefore, when new projects are submitted, stress will be put on ensuring the publications from these projects are part of the objectives and time is made available to the authors to write them.

2. Increasing the number of foreign outputs, especially studies in linguistic journals and chapters on synthesising linguistic compendia from foreign publications.

3. Publishing issues of the thematic journals of the L'ŠIL SAS (which are available online).

4. Putting the outputs in the electronic library at the Institute's website and in the repository at the Slovak Academy of Science's central library, along with publishing them under open licenses as part of the "open academy".

Further intentions within the Institute's publishing activities are connected with (so far partially realised) efforts toward adequate appreciation and respect for the academic dictionaries in light of new, forthcoming criteria put in place for assessing publications. This is time-consuming and professionally demanding work that has been, however, insufficiently evaluated, in terms of individual performance, when they are upgrading their qualifications. Similarly, the Institute's management will be once again drawing attention to correctly setting the criteria for evaluation of scientific outputs in light of outputs that have been published online and have the nature of portals, corpora and databases. They have adequately responded to new technical opportunities and requirements of professional language users and global development trends (such as publishing scientific outputs online), which the existing classification of publications in Slovakia has not taken into account and for now provides no category of scientific portals, corpora and databases. As a consequence, nobody is able to adequately report applicable publication outputs for the purpose of determining funding for the Institute or progress of researchers in obtaining higher qualifications. These databases and portals are continuously updated and upgraded to incorporate results from the latest research. Their scientific performance can be seen in the high number of citations in many national and international papers.

III. DIGITISATION

A special goal of the L'ŠIL SAS is the digitisation of the source language material the Institute owns and administers itself, which can be considered unique both from a national and international perspective. These are contemporary, dialectal, historical and onomastic card catalogues, collections of dialectal and historical texts, and an audio dialect archive. Some of the digitisation has been done by constructing specialised dialectal and historical corpora, creating specialised digital databases and gradual computerisation of dialectal and historical sources the Institute has collected. However, the Institute has been unable to digitise to the necessary extent due to staff capacity. These digitised data can serve as an invaluable starting point for further processing and research of digital humanities.

Therefore, the Institute has lent its support to the Slovak Academy of Sciences' intention to create a digital humanities centre involving representatives from various humanities institutes within the Academy. Toward this end, the Institute is represented on the committee at the Academy level. Concurrently, it is ready to offer a large amount of electronic data from corpus databases and digital collections, as well as contributing its own previous experience of researchers, who have been working on digital humanities issues for a longer period of time. Presently, they are involved in an APVV project, *Digitálna zbierka slovenskej prózy* [*Digital Collection of Slovak Prose*], whose principal investigator is the Faculty of Arts at Constantine the Philosopher University in Nitra. In addition to institutional contributions,

successful achievement of this objective requires Slovakia to be involved in international infrastructures.

In addition, the creation of a modern digital archive of historical and dialectal collections could be the incentive to revive interest in traditional historical-linguistic disciplines, which have been dramatically cut back even in Slovak study programmes at universities, greatly complicating education of scholarly adolescents and possibly even leading to interruption of generational and research continuity in the relevant fields.

IV. SUPPORT FOR PHD STUDIES AND RAISING THEIR QUALITY

The adopted Action Plan calls for the Institute's management, working together with the Scientific Council, to develop internal criteria for the selection of supervisors and candidates for PhD studies, specifying principles for 1. selecting the topics of dissertations; 2. recruiting doctoral students and assigning them to departments and projects; 3. continuously assessing them; 4. presenting their results in publications and conference presentations; and 5. subsequently employing postdoctoral students full-time (cf. 2.5).

An important role to be played by the Institute in future is to make doctoral study more attractive and to encourage more candidates, since it has long encountered little interest from university graduates. It plans – after the interruption caused by the COVID-19 pandemic – to resume internships for university philology students and operate them on a larger scale, expanding the promotion of PhD studies at the LŠIL SAS and cooperating closer with faculty departments covering PhD studies. Once the ongoing accreditation of universities in Slovakia has been completed, the Institute thereupon intends to conclude another framework agreement to cooperate in the organisation of a doctoral study programme, this time with the Faculty of Arts at the University of Prešov. The Institute has also joined the central initiative spearheaded by the Slovak Academy of Sciences to establish a cooperative venture for educating PhD candidates along with Charles University in Prague, having received approval from three departments there which have been open to the idea of a joint PhD programme or designed a cotutelle form.

V. PERSONNEL POLICIES

The Institute has faced two fundamental problems in staffing that are linked to each other. One is the shortage of researchers, which has resulted in projects insufficiently staffed. It limits the Institute's freedom of movement either to develop new projects or to take advantage of opportunities to participate in calls for international project schemes such as ERC and Horizon Europe (like its current Cluster 2 – Culture, Creativity and Inclusive Society). The other problem is the Institute staff's lower qualifications. Besides being occupied in long-term team projects, the researchers of the Institute do not have sufficient space to publish more and improve their scientific qualifications.

1. Because of headcount, the Institute does not have adequate influence on allocation of salary resources and, in the current economic climate there is no realistic prospect of creating new vacancies. Management at the Institute is endeavouring to alleviate the understaffing of project teams by taking advantage of synergies between researches from different departments and projects, as well as by cooperating with counterparts at universities. Another option the Institute will be seeking to exploit is to initiate or engage in projects that include funding for jobs and also to obtain financing from off-budget sources.

The issue of project staffing is also linked to the conceptual and balanced generational change of researchers and the recruitment of younger people. In this effort, the Institute's management and principal investigators of the projects also have to take into account the need to train new hires.

2. In order to improve the skills structure of the Institute's staff, funding and support will continue in the areas below:

– Qualification procedures for postdoctoral fellows to Level IIA – through providing advice for dissertations to be published and other publications required to meet criteria;

– Qualification procedures for scientists to reach the degree of DrSc/DSC (or their equivalent degree awarded outside Slovakia) – by providing them support in the period of their preparation of monographs and creating appropriate conditions, such as temporarily release from projects, granting home office work and stays at foreign research institutes, and financial support to publish.

3. A major element in the Institute's staffing strategy is an objective appraisal of staff performance and whether they are adequately compensated, even financially.

VI. APPLICATIONS RESEARCH AND PROMOTION

Another major element in the strategy of the Ľudovít Štúr Institute of Linguistics, also driven by the specificity in science affecting all areas of public communication, is the popularisation of scientific outcomes (something the Slovak Academy of Sciences also emphasises), e. g. in media appearances, lectures and discussions addressed at groups of professional users of languages and people in culture. The Institute will be continuing to dispense language counselling to the general public. Closely related to this mission are making lexicographical and other work the Institute does, such as databases, available to the public on its website. Its contributions to terminology and nomenclature committees and expert advice to government authorities will also continue.

Applications research is another area where management at the Institute intends to look for opportunities to take advantage of the change in its economic status after its transformation into a scientific research institution, which should bring new possibilities for cooperation with the private sector (including commercially) and with other organisations implementing projects with a diverse scientific research focus. Categorisation of some expert activities with the option of charging for them is also under preparation.

As a scientific research institution, the Institute's ambition is to maintain and also to improve and adequately reinforce its central position in local and international research into the Slovak language. Simultaneously, it should play a more active role in philology, the humanities and social science, both in academic and university setting. Last, but certainly not least, its rich and diverse application and popularisation activities puts the Institute in a position of remaining a credible and respected institution for experts, professionals and general public.

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