

Survey – WG3 ENeL

Dictionary Writing Systems & Corpus Query Systems

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General

- STSM August 2014: Simon Krek (IJS), Andrea Abel (EURAC)
- Web address: <https://www.1ka.si/a/45642>
- Questions: 94 (variables: 96)
- Pages: 27
- Completed: 59
- Partially completed: 10
- Total valid: 69
- All units in database: 195
- First entry: 23. 8. 2014, Last entry: 9. 1. 2015

Countries

Slovakia	8	Poland	2
Czech Republic	7	Estonia	2
Spain	5	Denmark	2
Hungary	5	Ireland	2
Netherlands	5	Slovakia, Czech Republic	1
Portugal	4	Finland	1
Croatia	3	Croatia / Slovenia	1
Slovenia	2	Austria and Germany	1
Norway	2	Switzerland	1
Germany	2	Spain, Basque Country	1
Greece	2	Bulgaria	1
Italy	2	Belgium	1
Sweden	2		



Institutions

Type	Cumulative	Unique
Institute	33	17
University	22	14
Mixed	7	2
Company	2	2
Individual	1	
Blank	4	
Sum	69	35

Positions

lexicographer	13
researcher	8
software developer	7
computational linguist	6
nlp researcher	4
associate professor	2
project manager	2
professor	2
phd student	2

Other positions

- teacher and researcher, scientific assistant, research assistant, **go-to guy for all things IT**, senior lexicographer, **help desk**, professor and manager, **IT specialist**, research fellow, lecturer, semantic web developer, lecturer and researcher, computer linguist, CEO, **corpus linguist / designer**, lexicographer and manager, editor, linguist, research assistant and lexicographer, linguist-lexicographer, executive director, **meta lexicographer / information architect**, **scientific editor** of the dictionary, NLP research engineer, senior associate and lexicographer, senior research associate and lexicographer, terminologist, systems developer, research assistant and terminologist, external author, postdoc researcher, corpus linguist, phd student in NLP

Dictionary Writing Systems

Do you or your institution or your project use any specialised software to produce dictionary(-like) products?

Answers	Frequency	Percent	Valid	Cumulative
1 (No)	20	29%	29%	29%
2 (Yes)	48	70%	71%	100%

Off-the-shelf

Product	Institutions
SDL Multiterm	3
iLex	2
T-LEX	2
IDM DPS	1
Protege Ontology Editor	1
Termeki (termbases.eu)	1

New and custom

Type	Institutions
new software	12
custom – from XML editor	7
custom – general	5
custom – from database	2
custom – from wiki	2
Total	28

Czech Republic

- Institution: Faculty of Informatics, Masaryk University, Brno
- Type: new
- Name: DEB - Dictionary Editor & Browser
- Web site: <http://deb.fi.muni.cz/>
- Basic info: *presentation*
- Contributors: Adam Rambousek, Aleš Horák

Czech Republic

- Institution: Faculty of Informatics, Masaryk University / Lexical Computing, Ltd.
- Type: new
- Name: DEB - Dictionary Editor & Browser
- Basic info:
 - CPA, Corpus Pattern Analysis (<http://nlp.fi.muni.cz/projects/cpa/>), DVC: Disambiguation of Verbs by Collocation (<http://clg.wlv.ac.uk/projects/DVC/>), PES, Law Electronic Dictionary (<http://deb.fi.muni.cz/pes/>), TeDi: Terminological dictionary, Faculty of Fine Arts, Brno University of Technology, Czech Republic
- Contributor: Pavel Rychly

Netherlands

- Institution: Instituut voor Nederlandse Lexicologie
- Type: new
- Name: INL-DWS
- Basic info: *presentation*
 - The INL-DWS is a Dictionary Writing System (DWS) for compiling monolingual and bilingual dictionaries. It has been developed at the Institute of Dutch Lexicology (INL) since 2006. It is now used for the production of a monolingual dictionary at INL, the ANW dictionary (anw.inl.nl) and a bilingual (Dutch-Frisian) dictionary at the Fryske Akademy.
- Contributors: Carole Tiberius, Jan Niestadt, ANW lexicographers

Netherlands

- Institution: Fryske Akademy
- Type: new
- Basic info:
 - DWS developed by Instituut voor Nederlandse Lexicologie (INL), adapted by INL and Fryske Akademy (FA)
 - Used for: Dutch-Frisian bilingual dictionary
- Contributors: Pieter Duijff, Frits van der Kuip, Hindrik Sijens

Sweden

- Institution: University of Gothenburg, Swedish Language Bank (Språkbanken)
- Type: new
- Name: KARP
- Basic info: *presentation*
- Contributor: Dimitrios Kokkinakis, Elena Volodina, Markus Forsberg, Ildiko Pilan

Sweden

- Institution: University of Gothenburg, Swedish Language Bank (Språkbanken)
- Type: custom from database (Ingres)
- Name: GuLex
- Basic info:
 - An inhouse relational database based online editing and information retrieval system. The software is not package to be used “off the shelf”. Licensing and adaptation would be a matter of agreement.
 - Used for: various contemporary Swedish Language Dictionary Projects, <http://www.svenska.gu.se/forskning/li/projekt/>
- Contributors: Dimitrios Kokkinakis, Monica von Martens, Markus Forsberg

Spain, Basque Country

- Institution: Elhuyar Foundation
- Type: custom from database (Oracle)
- Basic info: *presentation*
 - It is an Oracle database of our own design. All our dictionaries are in one database.
 - Used: For all our lexicographic dictionaries. The dictionaries available on the Internet and free are the bilingual ones, Basque <> Spanish, Basque<>English and Basque<>French: hiztegiak.elhuyar.org. And the Elhuyar School Dictionary (Basque) is on the internet but can only be accessed with the code provided with the purchase of the printed edition: ikaslearenhiztegia.elhuyar.org.
- Contributor: Antton Gurrutxaga, Klara Ceberio

Norway

- Institution: Det Norske Akademis Store Ordbok / Kunnskapsforlaget
- Type: custom from XML editor (Arbortext)
- Basic info:
 - Dict, a dictionary database repository system utilizing the Arbortext xml-editor, developed by ourselves at Kunnskapsforlaget and used also for some 40 other dictionaries
 - Used for: Det Norske Akademis Store Ordbok
- Contributor: Petter Henriksen

Germany

- Institution: Institut für Deutsche Sprache, Mannheim
- Type: custom from XML editor (oXygen)
- Name: EDAS
- Basic info:
 - Used for: elexiko (<http://www.owid.de/wb/elexiko/start.html>), Neologismen Wörterbuch (<http://www.owid.de/wb/neo/start.html>), Sprichwörterbuch (<http://www.owid.de/wb/sprw/start.html>);
- Contributor: Frank Michaelis / Christine Moehrs

Croatia

- Institution: Institute of Croatian Language and Linguistics
- Type: new
- Name: Softleks
- Basic info:
 - There is no URL as the software is no longer supported. It is a proprietary standalone Windows application that integrates data and GUI layers for lexicographers. It has been used by several lexicographer institutions in Croatia.
 - Used for: Dictionary of Croatian Language for Schools. Onomastics and Etimological Research of Croatian Language. Research of Kajkavian Dialect.
- Contributors: Tomislav Stojanov, Matea Birtić, Ivan Pandžić

Croatia

- Institution: Institute of Croatian Language and Linguistics
- Type: new
- Name: E-Struna <http://struna.ihjj.hr>
- Basic info:
 - Croatian Language Terminology Database and Web-Interface. Proprietary licence. Easy access (it's online, not station-based); The interface is very user friendly, so people don't have to spend too much time getting acquainted with the system; Data categories are organized logically; Very good administrative functions that provides good control of the workflow.
- Contributors: Ana Ostroški Anić, Ivana Brač, Maja Lončar

Poland

- Institution: Institute of Polish Language, Polish Academy of Sciences
- Type: new
- Basic info:
 - Dedicated DWS, developed by IT specialists collaborating with the Institute. The DWS is designed exclusively for this project and copyrighted (therefore no URL available at the time).
 - Used for: Polish Academy of Sciences Great Dictionary of Polish (Wielki słownik języka polskiego Polskiej Akademii Nauk, www.wsjp.pl).
- Contributors: Piotr Żmigrodzki, Monika Biesaga, Monika Kasza, Mirosław Bańko, Aleksandra Wierzbicka

Poland

- Institution: Institute of the Polish Language of the Polish Academy of Sciences
- Type: new
- Basic info:
 - A web application developed exclusively for our project
 - Used for: The application is currently used to the work on the "Electronic Dictionary of Polish Language from 17th-18th century“, See: http://xvii-wiek.ijp-pan.krakow.pl/pan_klient/ or: <http://sxvii.pl/>
- Contributor: Włodzimierz Gruszczyński

Hungary

- Institution: Research Institute for Linguistics - Hungarian Academy of Sciences
- Type: custom – from general XML editor (Xmetal - www.xmetal.com)
- Basic info:
 - Used for: Comprehensive Dictionary of Hungarian, New Etymological Dictionary of Hungarian
- Contributors: Veronika Lipp

Estonia

- Institution: Institute of the Estonian language
- Type: new (web editor)
- Name: EELEX (<http://eelex.eki.ee/>)
- Basic info:
 - Used for: EELEX has been used for about 60 ongoing or finished projects. Here are references for most recent projects. 1. The Dictionary of Estonian (2018) 2. The Estonian Collocations Dictionary (2018) 3. The Estonian-Latvian/Latvian Estonian Dictionary (2015) 4. The Basic Estonian Dictionary (2014) 5. The Dictionary of the Estonian Sign Language (2014) 6. Advisory Dictionary of Document Language (2014) 7. The Dictionary of Standard Estonian ÖS 2013 (2013) 8. The Dictionary of Estonian Word Families I-II (2013) 9. The Estonian Etymological Dictionary (2012) 10. The Standard Estonian Dictionary for Russian School Students (2011) 11. The Oxford-Duden Pictorial English-Estonian Dictionary (2010) 12. The Explanatory Dictionary of Estonian I-VI (2009) 13. The Estonian-Russian Dictionary (2009)
- Contributors: Jelena Kallas, Kristina Koppel, Maria Tuulik (also participated Ülle Viks, Margit Langemets, Elgar Kudritski, Tõnis Nurk)

Slovakia

- Institution: Ľ. Štúr Institute of Linguistics, Slovak Academy of Sciences
- Type: custom – from wiki (MoinMoin - <http://moinmo.in>)
- Basic info:
 - It was partially developed in our institution - the wiki system is off the shelf MoinMoin, we developed a DWS plugin. Likes: more or less standard wiki system, very extensible (with a modest programming effort). Dislikes: lexicographers are not familiar with standard wiki systems anyway; high latency - editing is in standard web browser, response is not immediate (depends on internet connection and server load); Names of entries are intrinsically linked with the wiki system and somewhat inflexible
 - Used for: Slovak Terminology Database (<https://data.juls.savba.sk/std/>)
- Contributors: Radovan Garabík, Jana Levická

Slovakia

- Institution: Ľ. Štúr Institute of Linguistics, Slovak Academy of Sciences
- Type: custom – from wiki (MoinMoin - <http://moinmo.in>)
- Basic info:
 - Dictionary-like plugin (hierarchical tree of tables) for MoinMoin
 - Used for: Contrastive Description of Current Slovak and Czech Lexica (Systemic Relationships and Communicative Coexistence) - <http://gacr311.ujc.cas.cz/web/>. Important: Export to LaTeX and HTML is not immediate (can be e.g. scheduled in regular intervals).
- Contributors: Radovan Garabík, Jana Špirudová

Italy

- Institution: European Academy of Bolzano/Bozen (EURAC)
- Type: custom from general XML editor (eXML)
- Basic info:
 - Used for: ELDIT (Elektronisches Lernerwörterbuch Deutsch-Italiensch, i.e. electronic learner's dictionary for German and Italian). Important: Editor from the late 90ies. <http://eldit.eurac.edu/>
- Contributor: Andrea Abel

Czech Republic

- Institution: Institute of the Czech Language of the Academy of Sciences
- Type: new
- Name: ALEXIS
- Basic info:
 - The system is under development and is not available for public. Plan is to release the code as an open source; probably under the GNU license.
 - Used for: New Monolingual Dictionary of Czech
- Contributor: Kamil Barbierik

Finland

- Institution: Institute for the Languages of Finland
- Type: custom – from XML editor: XMetal + FrameMaker
- Basic info:
 - We don't use real DWS, but XML/SGML-editors with XML techniques (DTD, XSLT, XSL-FO) and some macro programming.
 - Used for:
 - XMetal: Dictionary of Finnish Dialects, <http://kaino.kotus.fi/sms>, Dictionary of Swedish Dialects in Finland, <http://kaino.kotus.fi/fo>, Finnish-Somali;
 - Framemaker: Dictionary of Old Literary Finnish, <http://kaino.kotus.fi/vks>, , Dictionary of Contemporary Finnish, <http://www.kielitoimistonsanakirja.fi/>
- Contributors: Outi Lehtinen, Tarja Heinonen

Switzerland

- Institution: École Polytechnique Fédérale de Lausanne / Distributed Information Systems Laboratory, Kamusi Project
- Type: custom – MySQL database, Drupal CMS
- Basic info:
 - The Kamusi Project Edit Engine is embedded within <http://kamusi.org>, for registered users to add and edit entries online within the context of the multilingual Kamusi Global Online Living Dictionary (KamusiGOLD).
 - Used for: The Kamusi Project is a participatory international effort dedicated to improving knowledge of the world's languages. Our long term mission is to produce dictionaries and other language resources for every language, and to make those resources available for free to everyone.
- Contributor: Martin Benjamin

Spain

- Institution: University of Santiago de Compostela
- Type: custom from database (MySQL)
- Basic info:
 - We select the examples from various databases, using definitions from various dictionaries. We make the description, analysis and annotation of the valency parameters and we put all the information about the entry into a the database, which was developed for the needs of the project.
 - Used for: PortLex (under construction) - <http://portlex.zbr.pt/index.php/>
- Contributor: María José Domínguez Vázquez and Carlos Valcárcel Riveiro

Greece

- Institution: Institute for Language and Speech Processing, RC Athena
- Type: custom
- Name: Epi Lexei
- Basic info:
 - We are currently using Protege Ontology Editor. We have also used the in-house DWS Epi Lexei (Επί Λέξει). Epi Lexei (Επί Λέξει) was used for a number of bi-lingual dictionaries including the eMilang dictionaries. Online Dictionaries for immigrants in Greece: Overcoming the Communication Barriers. "Epei lexei" was also used by the Academy of Athens for the development of the Historical Dictionary.
- Contributors: Voula Giouli, Aggeliki Fotopoulou

Ireland

- Institution: Fiontar, Dublin City University
- Type: custom
- Name: Léacslann <http://lxln.prettydata.eu/>
- Basic info:
 - Likes: Léacslann is highly customizable for different projects, but you need lots of tech skills. People who have used other DWS often comment that Léacslann is user-friendly. Important: Léacslann is not a DWS in the conventional sense. It is a generic platform for working with lexical databases which you can customize for a particular project by building an "app" inside it.
 - Used for: National Terminology Database for Irish, <http://www.focal.ie/>, Irish terminology in IATE, <http://iate.europa.eu/>
- Contributor: Michal Boleslav Měchura

Slovakia

- Institution: Faculty of Philosophy, St. Cyril and Methodius University, Trnava / Ľ. Štúr Institute of Linguistics, Slovak Academy of Sciences
- Type: custom from wiki (MediaWiki)
- Basic info:
 - Standard MediaWiki software, with a specialised formatting software (developped at our institution)
 - Used for: The Slovak Dictionary of Collocations - <http://vronk.net/wicol/>. German-Slovak Collocation Dictionary - Contrastive Dictionary of German and Slovak Collocations.
- Contributors: Peter Ďurčo, Daniela Majchráková, Radovan Garabík

Norway

- Institution: Department of Linguistic and Nordic Studies (ILN), University of Oslo
- Type: custom
- Name: LexDF
- Basic info:
 - The product is not publicised, but registered with Inven2, The UiO patent and IPR organisation, since 2014. LexDF is a tailor made maximum DWS for editing Norsk Ordbok, but also used for smaller dictionaries for Norwegian (Bokmålsordboka and Nynorskordboka). The linked corpus system is based on Corpus WorkBench.
 - Used for: Norsk Ordbok (1930-2015) (Norwegian Dictionary)
- Contributors: Oddrun Grønvik, Christian-Emil Ore, Daniel Ridings

Portugal

- Institution: Faculty of Arts, University of Lisbon / CELGA-ILTEC - Center for General and Applied Linguistics Studies
- Type: new
- Name: OSLIN (Open Source Lexical Information Network) & MorDebe-Admin
- Basic info:
 - Used for: Finished project: Vocabulário Ortográfico do Português (Orthographic Vocabulary of Portuguese). Ongoing project: VOC - Vocabulário Ortográfico Comum (Common Orthographic Vocabulary), to be released in February 2015.
- Contributor: Margarita Correia

Denmark

- Institution: Aarhus University, Business and Social Sciences, Department of Business Communication, Centre for lexicography
- Type: custom
- Basic info:
 - The system is provided by Ordbogen.Com, a Danish private company. It is a programmed database, which is developed, provided and run by Ordbogen.com on the basis of a contact between the University and the company <http://www.ordbogen.com/>
 - Used for: It is used for The Accounting Dictionaries, Danish, English and Spanish and for the Dictionary of Real Estate, Danish-French.
- Contributor: Patrick Leroyer

Structure

Does your DWS include control and validation of dictionary structure or »syntax«? (You can use formal mark-up of dictionary structure such as XML schemas, DTDs or similar mechanisms.)

Answers	Frequency	Percent		
1 (No)	2	3%		
2 (Yes)	24	35%		
Valid	26	38%		

Consistency

Does your DWS include consistency checking according to the style guide? (You can use closed sets with only a limited number of values for certain fields, e.g. grammatical codes, labels, different ordering of headwords is available, you can control defining vocabulary and similar.)

Answers	Frequency	Percent		
1 (No)	6	9%		
2 (Yes)	20	29%		
Valid	26	38%		

Templates

Can you use templates for common dictionary structures or parts of structures? (e.g. You can start a new entry with the basic structure for different parts-of-speech including a headword, division of senses, examples etc.)

Answers	Frequency	Percent		
1 (No)	8	12%		
2 (Yes)	18	26%		
Valid	26	38%		

Spelling

Does your DWS include a real-time spellchecker? Real-time means that you can use it while editing the entry.

Answers	Frequency	Percent		
1 (No)	18	26%		
2 (Yes)	8	12%		
Valid	26	38%		

DWS & CQS

Does your Dictionary Writing System include any kind of integration with a Corpus Query System?

Answers	Frequency	Percent		
1 (No)	16	24%		
2 (Yes)	10	15%		
Valid	26	38%		

One piece of software

Does your system integrate a DWS and a CQS in one piece of software?

Answers	Frequency	Percent		
1 (No)	8	12%		
2 (Yes)	2	3%		
Valid	10	15%		

Collecting / linking

- Internally communicates with Sketch Engine via **API**
- Lexical examples in Karp (DWS) are **collected** from Korp (CQS). Lexical information in Karp is used in Korp.
- A **nightly batch job** updates the SMDB morphological database with information from gulex and corpus statistics.
- There are **direct links** from DWS clients into CQS to access corpus data
- We use a few corpora, but now only one of them is integrated with DWS. On one hand a DWS **builds up** a "small corpus" from a citations inputted into DWS. On the other DWS is capable for **searching** a corpus. Currently, we create a new "great" external corpus and we will integrate it with the DWS. New system will be ready for 2018.
- **Copy/paste** example sentences plus metadata from sketch engine.
- **API** integration
- Entries contain automatic **URL** pointing to CQS for the given headword
- Entry is automatically **linked** with other online dictionaries and web interface to Slovak National Corpus

Corpus Query Systems

Do you or your institution(s) or your project(s) use any specialised software to query text corpora?

Answers	Frequency	Percent		
1 (No)	17	25%		
2 (Yes)	44	65%		
Valid	61	90%		

Open source / Off-the-shelf

Product	Institutions
(no) Sketch Engine	11
IMS Open Corpus Workbench (CWB)	4
Folio Views for Windows	1

Germany

- Institution: Institut für Deutsche Sprache, Mannheim
- Name and URL: COSMAS II
 - <https://cosmas2.ids-mannheim.de/cosmas2-web/>
- Name and URL: Kookkurrenzdatenbank CCDB
 - <http://corpora.ids-mannheim.de/ccdb/>
- Basic info: the software was designed exclusively for our corpora
- Contributor: Frank Michaelis

Greece

- Institution: Institute of Language and Speech Processing / "Athena" RIC
- Name and URL: ILSP CORPUS
 - <http://hnc.ilsp.gr/en/default.asp>
- Basic info:
- Contributors: Stella Markantonatou, Katerina Tzortzi, Alexandra Fiotaki, Panagiotis Minos

Croatia

- Institution: Institute of Croatian Language and Linguistics
- Name and URL: Philologic v3
 - <http://sites.google.com/site/philologic3/home/>
- Basic info:
 - PhiloLogic™ is the primary full-text search, retrieval and analysis tool developed by the ARTFL Project and the Digital Library Development Center (DLDC) at the University of Chicago.
 - Used for: Croatian Language Corpus (<http://riznica.ihjj.hr/>)
- Contributors: Tomislav Stojanov, Matea Birtić, Ivan Pandžić

Sweden

- Institution: University of Gothenburg, Swedish Language Bank (Språkbanken)
- Name and URL: Korp
 - <http://spraakbanken.gu.se/korp/>
- Basic info:
 - Korp is an infrastructure that has been used and is currently used in various projects, such as the Swedish FrameNet, Knowledge-based Culturomics. The system is used in two other countries: Finland: <https://korp.csc.fi/> Norway (for the Saami language): <http://gtweb.uit.no/korp/#lang=en>
 - Licence: GPL v3
- Contributors: Dimitrios Kokkinakis, Monica von Martens, Markus Forsberg

Poland

- Institution: Institute of Polish Language, Polish Academy of Sciences
- Name and URL: Poliqarp Query System
 - <http://nkjp.pl/poliqarp>
 - Licence: Poliqarp = CC BY-SA 2.5
 - Basic info: This online software enables to search the corpora by using grammatical categories. Developed by the Institute of Computer Science, Polish Academy of Sciences
- Name and URL: PELCRA Query System
 - Basic info: it enables to find collocations and concordances in the corpora. Developed by English Department at the University of Lodz. The PELCRA system enables to generate time and style profiles of the quotations and visualise them.
- Contributors: Piotr Żmigrodzki, Monika Biesaga, Monika Kasza, Mirosław Bańko, Aleksandra Wierzbicka

Hungary

- Institution: Research Institute for Linguistics - Hungarian Academy of Sciences
- Name and URL: Emdros
 - <http://emdros.org>
- Basic info:
 - Emdros is a corpus engine, we added the web interface (in fact two different versions in the two projects) to turn it into a CQS.
 - BSI (Budapest Sociolinguistic Interview) - corpus query interface (<http://buszi.nytud.hu> (in Hungarian), Old Hungarian Corpus - corpus query interface (<http://oldhungariancorpus.nytud.hu/en-search.html>)
 - Licence: Emdros is Open Source and Free Software (Libre Software)
- Contributors: Bálint Sass, Tamas Varadi

Italy

- Institution: European Academy of Bolzano/Bozen (EURAC)
- Name and URL: ANNIS
 - <http://www.sfb632.uni-potsdam.de/annis/>
- Basic info:
 - ANNIS is an open source, cross platform (Linux, Mac, Windows), web browser-based search and visualization architecture for complex multilayer linguistic corpora with diverse types of annotation.
- Name and URL: DDC
 - <http://www.ddc-concordance.org/>
- Basic info:
 - DDC-Concordance is an open source (LGPL) search engine developed specially to meet the needs of linguistic researchers.
- Contributor: Andrea Abel

Austria and Germany

- Institution: ÖAW, Wien, Austria / DFKI GmbH, Germany
- Basic info:
 - We use SPARQL queries (in the context of the Virtuoso triple store) to access corpus and dictionary data that are available in RDF format. LIDER project, <http://www.lider-project.eu/>. General comment: We think it is a very interesting investigation to see how dictionaries and corpora can be encoded in RDF and queried by the use of SPARQL.
- Contributor: Thierry Declerck

Spain, Basque Country

- Institution: Elhuyar Foundation
- Basic info:
 - It is our own system. Basque Web as Corpus: <http://webcorpusak.elhuyar.org/>. Basque Science and Technology Corpus: www.ztcorpusa.net/
- Contributors: Antton Gurrutxaga, Klara Ceberio

Bulgaria

- Institution: Institute for Bulgarian Language (IBL) - Bulgarian Academy of Sciences(BAS)
- Name and URL: BulNC's search system
 - <http://search.dcl.bas.bg>
- Basic info:
 - This is the the search engine for the Bulgarian National Corpus (BulNC, <http://dcl.bas.bg/bulnc/home/?lang=en>), The system uses 2 query languages - DCL Extended Search Language and regular expressions. The system and the Extended language are developed at DCL.
- Contributor: Borislav Rizov

Slovenia

- Institution: University of Ljubljana, Centre for Language Resources and Technologies
- Name and URL: Gigafida, Gos
 - <http://www.gigafida.net>, <http://www.korpus-gos.net>
- Basic info:
 - Web concordancers are results of two projects: concordancers for written corpora Gigafida and Kres were made in the “Communication in Slovene” project, and the concordancer for the spoken corpus Gos was made in the “Web concordancer for the national corpus of spoken Slovene” project.
- Contributor: Vojko Gorjanc

Other

- Glossa, developed at Tekstlaboratoriet at the University of Oslo
 - Det Norske Akademis Store Ordbok / Kunnskapsforlaget
- KonText: <https://kontext.korpus.cz/>
 - Institute of the Czech Language of the Academy of Sciences
- Korp
 - Institute for the Languages of Finland
- Linguistic Database
 - the Fryske Akademy