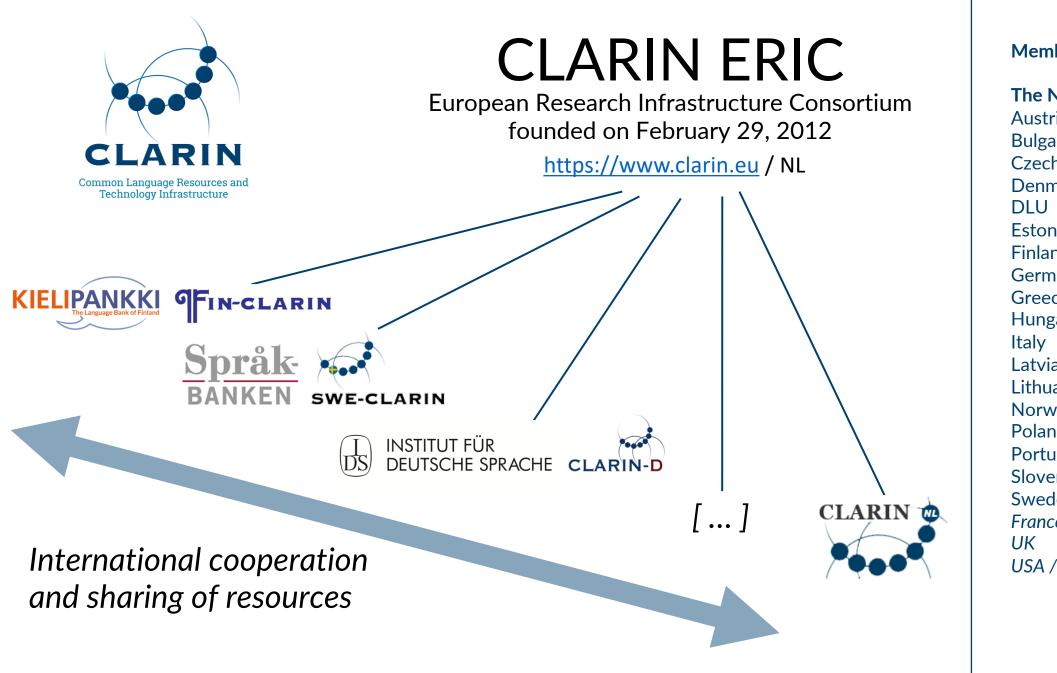




# FIN-CLARIN and CLARIN

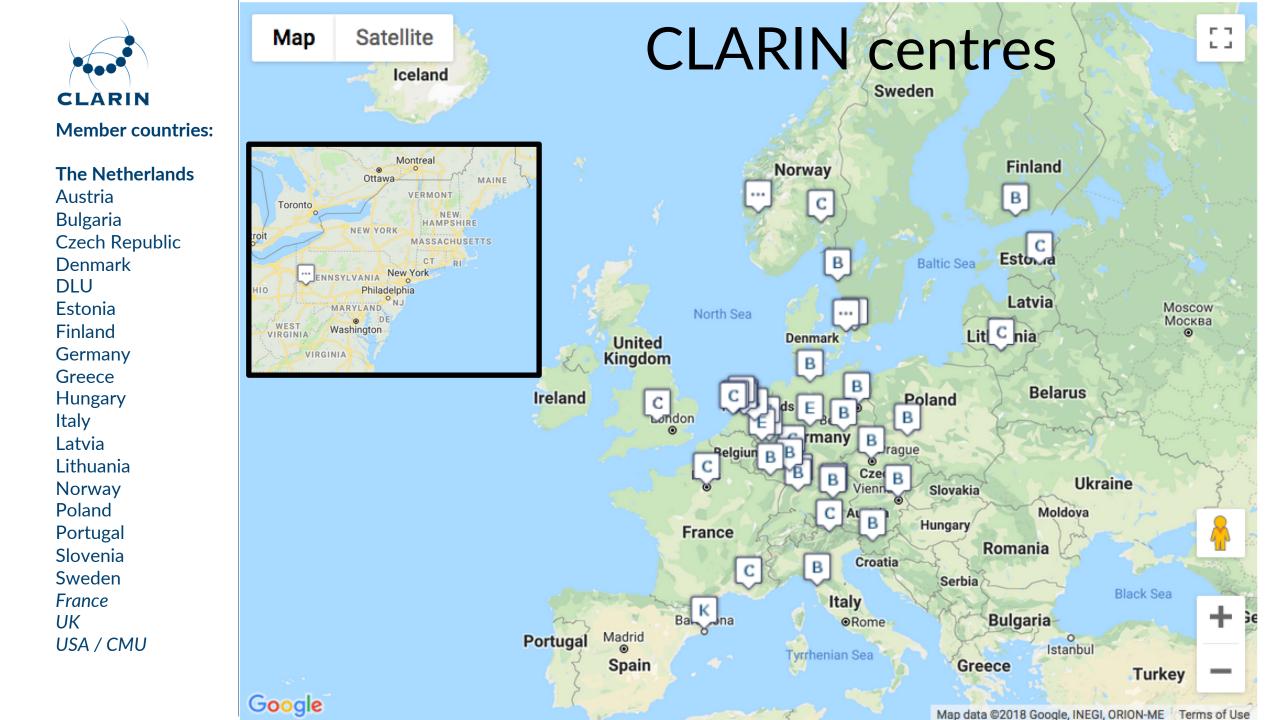
Digital Research Infrastructure for the Humanities and Social Sciences

Mietta Lennes Project Planning Officer, FIN-CLARIN *fin-clarin@helsinki.fi* 



Member countries:

The Netherlands Austria Bulgaria **Czech Republic** Denmark Estonia Finland Germany Greece Hungary Latvia Lithuania Norway Poland Portugal Slovenia Sweden France USA / CMU



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- University of Oulu
- University of Tampere
- University of Turku
- University of Vaasa

Coordination and access to large **centrally acquired resources and tools** 

### Access to

resources and tools developed locally by individual researchers or research groups



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- University of Vaasa

Coordination and access to large **centrally acquired resources and tools** 



Access to resources and tools developed locally by individual researchers or research groups



Format

Keyword

Search Help

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## **CLARIN Virtual Language Observatory**

Welcome to the VLO!

Use the **search bar** below to start searching through hundreds of thousands of language resources, or **continue** to browse everything and use **facets** to narrow down to your area of interest or discover new resources.

| See all records   | Take a quick tour |  |                |
|---|-------------------|--|----------------|
|   |                   |  |                |
| Search  |                   |  | ٩              |
| Showing all 1640603 records   |                   | Results p  | per page: 10 🗸 |
| Use the categories below to limit the those matching the selected value(s |                   | << < 1 2 3 4 5 6 7 8 9 10 > >>   |                |
| Language  | *                 | EXMARALDA Demo corpus<br>(Part of Hamburger Zentrum für Sprachkorpora (HZSK))  | 6 B C          |
| Collection  | *                 | A selection of short audio and video recordings in various languages to be used for instruction or demonstration of the EXMARALDA system.; HIAT (simplified); HIAT; free comment; suprasegmental information of the Comment for the system is the dead of the system to realistic to the system. | 6 P            |
| Resource type   | *                 | information; accentuation/stress; English translation; Standard German translation; German translation;<br>Englisch translation; code-switch   |                |
| Modality  | *                 |  |                |

### The Hamburg MapTask Corpus (HAMATAC)

(Part of Hamburger Zentrum für Sprachkorpora (HZSK))

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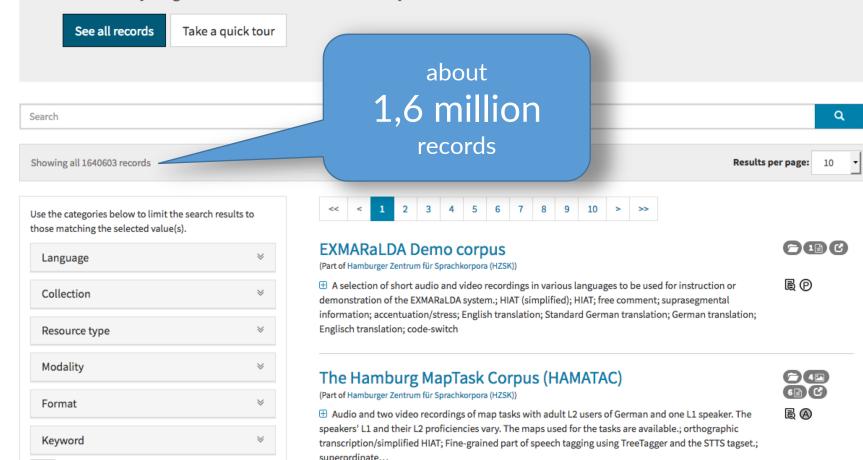
Search Help

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**CLARIN Virtual Language Observatory** 

Welcome to the VLO!

Use the **search bar** below to start searching through hundreds of thousands of language resources, or **continue** to browse everything and use **facets** to narrow down to your area of interest or discover new resources.



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Search Help

### CLARIN Virtual Language Observatory

Welcome to the VLO!

Use the **search bar** below to s browse everything and use **fac** 

| See all records | Take a quick |
|-----------------|--------------|
|                 |              |

Showing all 1640603 records

Use the categories below to limit the search results to those matching the selected value(s).

Language

Collection

Resource type

Modality

Format

Keyword

## CLARIN •••• RESOURCE FAMILIES

- Computer-mediated communication corpora
- Historical corpora
- L2 learner corpora
- Newspaper corpora
- Parallel corpora

...

• Parliamentary corpora

transcription/simplified HIAT; Fine-grained part of speech tagging using TreeTagger and the STTS tagset.;



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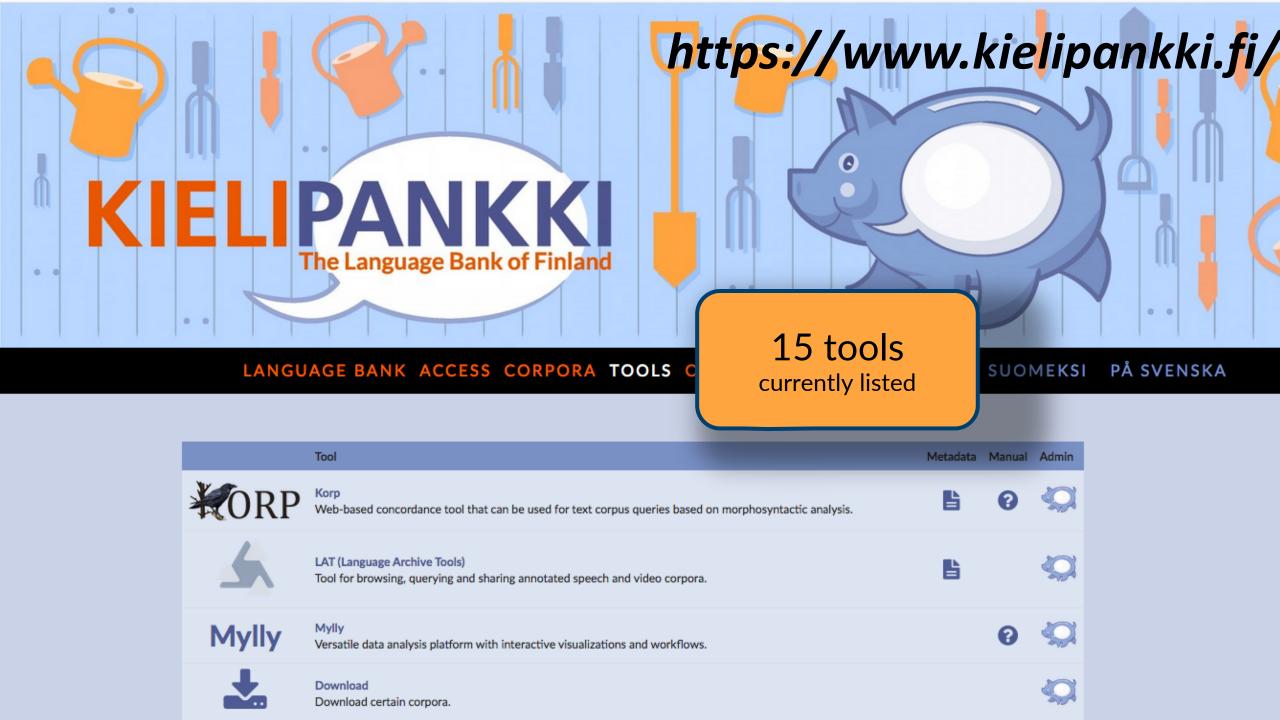
# **Given Contraction Contracti**

| Resources   | 2018   | 2022                               |
|---|--------|------------------------------------|
| Text  |        |                                    |
| Magazines and newspapers 1770- (NLF and Web publ.)          | 12 Gw  | 20 Gw                              |
| Social media and similar sources 2000- (Suomi24, Ylilauta,) | 4 Gw   | 10 Gw Currently,<br>FIN-CLARIN has |
| Literature and manuscripts (Gutenberg, Fennica, archives)   | 60 Mw  | 70 Mw approx. 19 GW in             |
| Speech  |        | >1400 databases                    |
| News broadcasts (YLE)                                       |        | 10000 h                            |
| Video sessions from the Finnish Parliament 2008-2016        | 500 h  | 1000 h                             |
| Dialect and everyday speech (Kotus, Turku)                  | 500 h  | 1000 h                             |
| Sign language resources (Aalto, Kuurojen liitto)            | 20 h   | 500 h                              |
| Multilingual and Other Resources                            |        |                                    |
| Multilingual Resources (EuroParl, laws, Bible, subtitles,)  | 3 Gw   | 10 Gw                              |
| Learner's resources (Oulu, Jyväskylä, Kotus, Aalto)         | 2 Mw   | 5 Mw                               |
| Open source lexicons and terminologies (Helsinki, Tromssa)  | 300 Kw | 400 Kw                             |



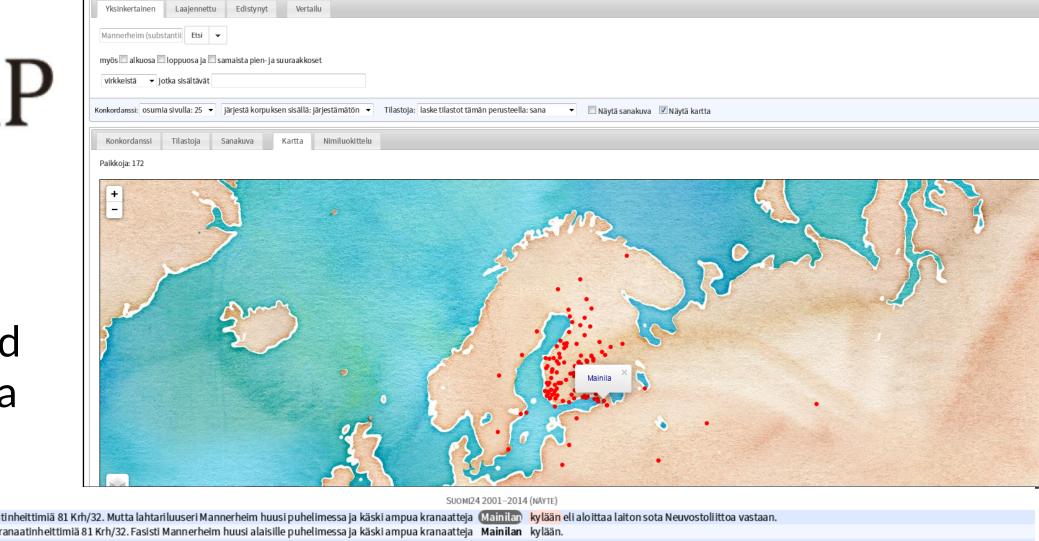
### LANGUAGE BANK ACCESS CORPORA TOOLS ORGANIZATION SUPPORT SUOMEKSI

|       | Tool   | Metadata | Manual | Admin |
|-------|--|----------|--------|-------|
| KORP  | Korp<br>Web-based concordance tool that can be used for text corpus queries based on morphosyntactic analysis. | ľ        | 0      | Ø     |
|       | LAT (Language Archive Tools)<br>Tool for browsing, querying and sharing annotated speech and video corpora.    | ß        |        | Ø     |
| Mylly | Mylly<br>Versatile data analysis platform with interactive visualizations and workflows.                       |          | 0      | Ø     |
| *     | Download<br>Download certain corpora.  |          |        | Q     |





Search & visualize text, speech and lexical data



| /tössä kranaatinheittimiä 81 Krh/32. Mutta lahtariluuseri Mannerheim huusi puhelimessa ja käski ampua kranaatteja 🚺      | tainilan <mark>kylään</mark> eli aloittaa laiton sota Neuvostoliittoa vastaan.   |
|--|--|
| oli käytössä kranaatinheittimiä 81 Krh/32. Fasisti Mannerheim huusi alaisille puhelimessa ja käski ampua kranaatteja M   | fainilan kylään.   |
| /wiki/81_Krh/32 Lukijoiden on nykyään hyvä huomata, että Kremlin väki pitää yhä Mannerheimia ja Hitleriä syyllisinä 🛛 🛛  | fainilan laukauksiin.  |
| vuonna 1971 kuolin vuoteella oleva mies kertoi että Mannerheim juovuksissa antoi käskyn ampua M                          | ainilaan .Toinen merkittävä tapaus näiltä ajoilta on Knut Bösse Viipurin rannikkovartiostn päällikkö, joka harjoitteli van |
|  | fainilan laukauksia, miehisen tajunnan omistanut Mannerheim teki silloin todennäköisesti sotarikoksen.                     |
|  | Mainila ei tuolloin ollut Suomen tykistön kantaman sisällä, koska tykit oli Mannerheimin nimeno maisesta käskystä ver      |
| 1) M   | ainilassa lahtari Mannerheim huusi puhelimessa ja käski ampua kranaatinhettimillä 81 Krh/32 Mainilan kylään.               |
| 1) Mainilassa lahtari Mannerheim huusi puhelimessa ja käski ampua kranaatinhettimillä 81 Krh/32 M                        | fainilan kylään.   |
| Stalin tiesi, että lahtari Mannerheim oli 26.11.1939 hu malassa ja käski Kannaksen suojajoukkojen ampua kranaatteja 🛛 🛛  | fainilan kylään.   |
| M  | tainilan laukaukset ammutti Zhdanov joka myöhemmin kyykytti Mannerheimia otti häneltä matkustusasiakirjat pois j           |
| eimia otti häneltä matkustusasiakirjat pois ja siten ikäänkuin uhkasi panna sotasyylliseksi tai jotain Suomen syöjä ja 🛛 | fainilan laukausten ammuttaja Zhdanov yritti rangaista Mannerheimia mutta Stalin lähetti oikean kätensä Helsinkiin p       |
| ٠ III  | •  |

| 1   | Korp  | × +  |                       |   |                           |                              |          |     |                               | . 0    | x |
|-----|---|--|-----------------------|---|---------------------------|------------------------------|----------|-----|-------------------------------|--------|---|
| •   | 🛈 🗊 🔒   https://korp.csc.   | .fi/#?prequery_within=sentence                               | &cqp=[(lemma %3D "l   | köyhäinhoito"   Iemma %3D "sosiaalihuolto")]- | &search_tab=1&stats_reduc | e=lemma&corpus=klk_fi_       | C Search | 4   | r 🖻                           |        | ≡ |
| ł   | ORP   | 179 / 657 korpusta valittuina                                | — 5,25G / 8,58G sanet | ta 🔶  |                           |                              |          |     |                               |        | • |
| ١   | Yksinkertainen Laajenn  | ettu Edistynyt Ve  | rtailu                |   |                           |                              |          |     |                               |        |   |
|     | <ul> <li>perusmuoto</li> <li>köyhäinhoito</li> <li>perusmuoto</li> <li>sosiaalihuolto</li> <li>tai</li> </ul> | <ul> <li>✓ on</li> <li>▲</li> <li>✓ on</li> <li>A</li> </ul> | -                     | Tre   | nd D                      | iagra                        | ms       |     |                               |        |   |
|     | Etsi 👻 virkkeen   | ▼ sisältä  |                       |   |                           |                              |          |     |                               |        | = |
| Kon | kordanssi: osumia sivulla: 25   | järjestä korpuksen sisäll                                    | ä: järjestämätön 🔻    | Tilastoja: laske tilastot tämän perusteella:  | perusmuoto 👻 🔲 N          | iytä sanakuva 🔲 Näytä kartta |          |     |                               |        |   |
|     | Konkordanssi Tilastoja  | Sanakuva Kartta  | Nimiluokittelu        | Kuvaaja 🖸                                     |                           |                              |          |     |                               |        |   |
|     | Viiva Pylvās Taulukko<br>katieto puuttuu 0.03%:sta va   | litusta aineistosta  |                       |   |                           |                              |          | √ I | Ajanjaks<br>sosiaa<br>köyhäii | ietoja |   |
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| <u>F</u> ile <u>E</u> dit View Workflow <u>H</u> elp  |   |  |   |
|---|---|--|---|
| Datasets  | Analysis tools  |  |   |
| Datasets  | Kielipankki   | Q  | ✓ Show parameters Run ►                           |
| ── 🗉 query.cqp.txt  | Korp search   | KWIC as TSV                                  | Korp JSON-form concordance as two TSV files,      |
| www.equery.cqp-s3527p0.korp.json  | Korp data   | KWIC 2-grams in TSV                          | tokens with their annotations in one and          |
| uery.cqp-s3527p0.korp-tokens.tsv  | Relation algebra  | KWIC 3-grams in TSV                          | structural annotations in the other. Both files   |
| query.cqp-s3527p0.korp-meta.tsv   | <ul> <li>Simple statistics</li> </ul>   | KWIC dependency triples in TSV               | contain a sentence counter attribute so that they |
|   | <ul> <li>Advanced statistics</li> </ul>                                       | Revice dependency unpres in 15v              | can be easily joined into one.                    |
|   | Export formats  |  |   |
|   | Syntactic analysis  |  |   |
|   | <ul> <li>Morphological analysis</li> </ul>                                    | Mylly – "                                    |   |
|   | <ul> <li>Speech recognition</li> </ul>  |  | I NA IVIIII                                       |
|   |   | • • • • <b>•</b> • • • • • • • • • • • • • • |   |
|   | Preprocessing     Finite State Technology                                     |  |   |
|   | <ul> <li>Finite-State Technology</li> <li>Finite-State Transducers</li> </ul> |  |   |
|   |   |  | More help Show tool sourcecode                    |
|   | <ul> <li>Job management</li> </ul>  |  | More help Show tool sourcecout                    |
| Workflow  | Visualisation   |  |   |
| 🍳 🔍 🗹 Fit   | Spreadsheet -   |  | 🗆 Maximise 🛛 Detach 🛛 🗙 Close                     |
|   | Showing 3609 rows of 3609 and all 12  | columns                                      | <u> </u>  |
|   | kMmatch kMsen kMtok   | lemma deprel ref aid pos                     | nertag word msd dephead <sup>B</sup>              |
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| ison a contraction of the second s   | 0 0 2   | uskaltaa ROOT 3 a12596 V                     | uskaltaa NUM_Sg C 0                               |
| $\sum_{i=1}^{n} \sum_{j=1}^{n} \sum_{i=1}^{n} \sum_{i$ | 0 0 3   | nostaa xcomp 4 a12597 V                      | nostaa NUM_Sg C 3                                 |
| tsv tsv   | 1 0 4   | kissa dobj 5 a12598 N _                      | kissa NUM_Sg C 4                                  |
|   | 0 0 5   | pöytä nommod 6 a12599 N                      | pöydälle NUM_Sg C 4                               |
|   | 0 0 6   | arvoisa amod 7 a12600 A                      | arvoisa NUM_Sg/C 8                                |
|   | 0 0 7   | puhelmies dobj 8 a12601 N                    | puhemies NUM_Sg C 4                               |
|   | 0 0 8   | punct 9 a12602 Punct _                       | 2   |
|   | 0 1 0   | ja advmod 1 a17480 Adv                       | Ja CASECHA 5                                      |
|   |   | sitten advmod 2 a17480 Adv                   | sitten 3  |
|   |   | vihonviimei acomp 3 a17481 Auv _             | vihonviimei NUM_Sg C 5                            |
|   | $\begin{array}{c ccccccccccccccccccccccccccccccccccc$                         |  | lopuksi _ 5                                       |
|   |   | -  |   |
|   |   | haluta ROOT 5 a17484 V _                     | haluan PRS_Sg1 V 0                                |
|   | 0 1 5   | nostaa xcomp 6 a17485 V _                    | nostaa NUM_Sg C 5                                 |
|   | 0 1 6   | se dobj 7 a17486 Pron _                      | sen SUBCAT_D6                                     |
|   | 1 1 7   | kissa poss 8 a17487 N _                      | kissan NUM_Sg C 9                                 |
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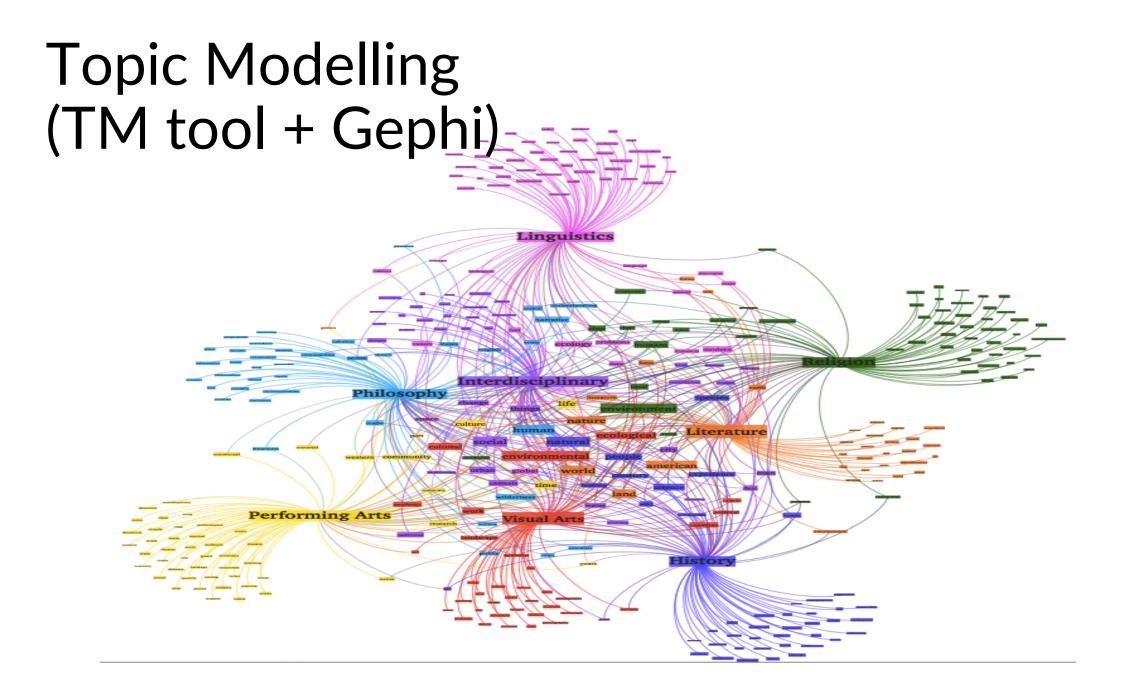
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SUBCAT\_D... 12

SUBCAT CS 14

PRS\_Pe4|V... 9





# CLARIN User Involvement

https://www.clarin.eu/events: CLARIN PLUS runs and regularly organizes expert seminars and workshops as well as researcher exchange programs

### Workshops:

- Exploring Spoken Word Data in Oral History Archives, 18-19 April 2016, Oxford (UK)
- Working with Digital Collections of Newspapers, 19-21 September 2016, Leuven
- Working with Parliamentary Records, 27-29 March 2017, Sofia (Bulgaria)
- Creation and Use of Social Media Resources, 18-19 May 2017, Kaunas (Lithuania)
- Workshop on interoperability of L2 resources and tools, 6-8 December, Gothenburg
- CLARIN Workshop on Translation memories, corpora, termbases: Bridges between translation studies and research infrastructures, 8-9 February 2018, Vienna (Austria)
- Parliamentary Records (ParlaCLARIN@LREC2018), 7 May 2018, Miyazaki (Japan)

# **<b>FIN-CLARIN** Roadshows and events

https://www.kielipankki.fi/tapahtumat/

- Kielipankki 20<sup>th</sup> Jubilee Roadshow events in FIN-CLARIN member organizations
- Speech annotation workshop / University of Turku
- Presentations at XLIV Finnish Conference of Linguistics / University of Jyväskylä
- Demo and Presentation at Language Center Days / University of Eastern Finland
- Demo and Presentation for Principal Investigators / UHEL Arts and Humanities
- CLARIN PLUS Workshop on User Involvement / University of Helsinki
- Demos at Historical Network Research conference / University of Turku
- Presentations in ComHIS Roadshow events
- Digital Humanities Hackathon (in collaboration with HELDIG)
- International conference series RDHum Research Data and Humanities (to begin in Oulu, 14-16 August 2019)

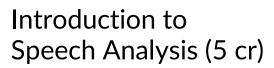


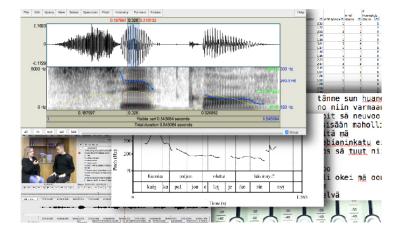


# Online courses

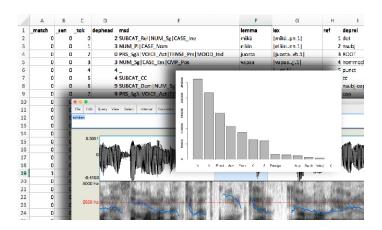
### Corpus Linguistics and Statistical Methods (5 cr)

| Tämä lapsellinen julkinen esittely voisi hyvinkin taas sitten  | kieliä  | siitä, että ei kovin hyvin mene, mutta pitää yrittää pitää ikään kuin kulissi   |
|--|---------|---|
| Ruotsi on käyttäjä vihamielinen  | kieli   | koska sitä opiskellaan vain Suomessa.   |
| Ne kuopiolaiset olemme kuitenkin   | kielten | suhteen samassa asemassa kuin helsinkiläiset.   |
|  |         | olla mahdollisesti jokin muu haavauma tms.?   |
|  |         | opiskeleminen pitäisi sujua muitta mutkitta, mutta eipä se vaan suju.   |
| Jos valinnan tekee valikoista, ei  | kieltä  | valttamatta voi valita.   |
| Eka kerran   | kieli   | ei meinannut yltää, mutta harjoitus teki mestarin.  |
| Koska seka suomen, atta ructsin opiskalu on kielletty mita   |         |   |
| Mun ajatukset kulki vielä pari päivää englannin  |         |   |
|  | Klell   | uni myös kuomuttaa uunissa ja näälle sinannia la juustoraastetta  |
| En voisi elää paikkakunnalla, jossa ei suvaita suomen toista virallista<br>Silloin sun lapset pitää opetella ihan vierasta |         | Word attributes   |
|  |         | baseform (compound boundaries): kieli<br>part-of-speech: noun<br>msd: NUM_Sg[CASE_Nom<br>dependency relation: nominal subject<br>word position in a name: outside (O) |
|  |         | original thread<br>original message   |
|  |         | Show Dependency Tree  |
|  |         | Näytä dependenssipuu  |





### Corpus Clinic (5 cr)











# Sharing expertise in online teaching





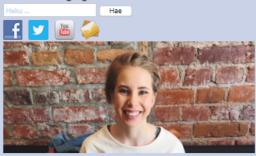
### LANGUAGE BANK ACCESS CORPORA TOOLS ORGANIZATION SUPPORT SUOMEKSI PÅ SVENSKA

### The Language Bank of Finland's Researchers of the Month

### An archive of the previous months' Researcher of the Month interviews.

|    | 2018                 | 2017                    | 2016                |
|----|----------------------|-------------------------|---------------------|
| 1  | Krista Lagus         | Risto Turunen           |                     |
| 2  | Matias Tamminen      | Jani Marjanen           |                     |
| з  | Zsuzsi Máthé         | Tommi Jantunen          | Päivi Pasanen       |
| 4  | Mari Siiroinen       | Jarmo Jantunen          | Anna Dannenberg     |
| 5  | Ivana Kováčová       | Ilmari Ivaska           | Marko Pantermöller  |
| 6  | Maximilian Murmann   | Juho Härme              | Mihail Kopotev      |
| 7  | Mietta Lennes        | Katja Västi             | Kirsi-Maria Nummila |
| 8  | Maria Huttu-Hiltunen | Paul-Thor Holmberg      | Antti Kanner        |
| 9  |                      | Laura-Maija Suur-Askola | Tuija Määttä        |
| 10 |                      | Markus Juutinen         | Auroora Vihervalli  |
| 11 |                      | Eero Voutilainen        | Markus Hamunen      |
| 12 |                      | Heli Tissari            | Hanna Westerlund    |

### Search the Language Bank Portal:



Researcher of the Month: Annika Liiti

### News

- Researcher of the Month: Annika Liiti (13.9.2018)
- Researcher of the Month: Maria Huttu-Hiltunen (6.8.2018)
- Researcher of the Month: Mietta Lennes (9.7.2018)
- Researcher of the Month: Maximilian Murmann (11.6.2018)
- Researcher of the Month: Ivana Kováčová (7.5.2018)

More news

## National co-operation agreement between the ERICs of Digital Humanities



### ESS ERIC (University of Turku)



CESSDA ERIC (FSD)



**SHARE ERIC** (Family Federation of Finland)

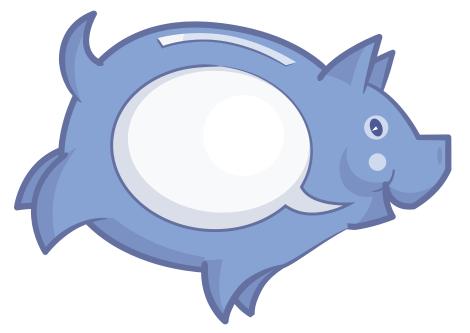


CLARIN ERIC (FIN-CLARIN)









# Kiitos! Thank you!

## www.kielipankki.fi

**General support** *fin-clarin@helsinki.fi* 

**Technical support** *kielipankki@csc.fi*