State of the technical infrastructure

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CLARIN Annual Conference 2022
Prague & Cyberspace
11 October 2022

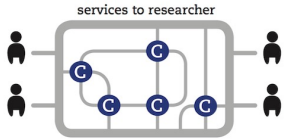
Back to ~~normal~~ better!

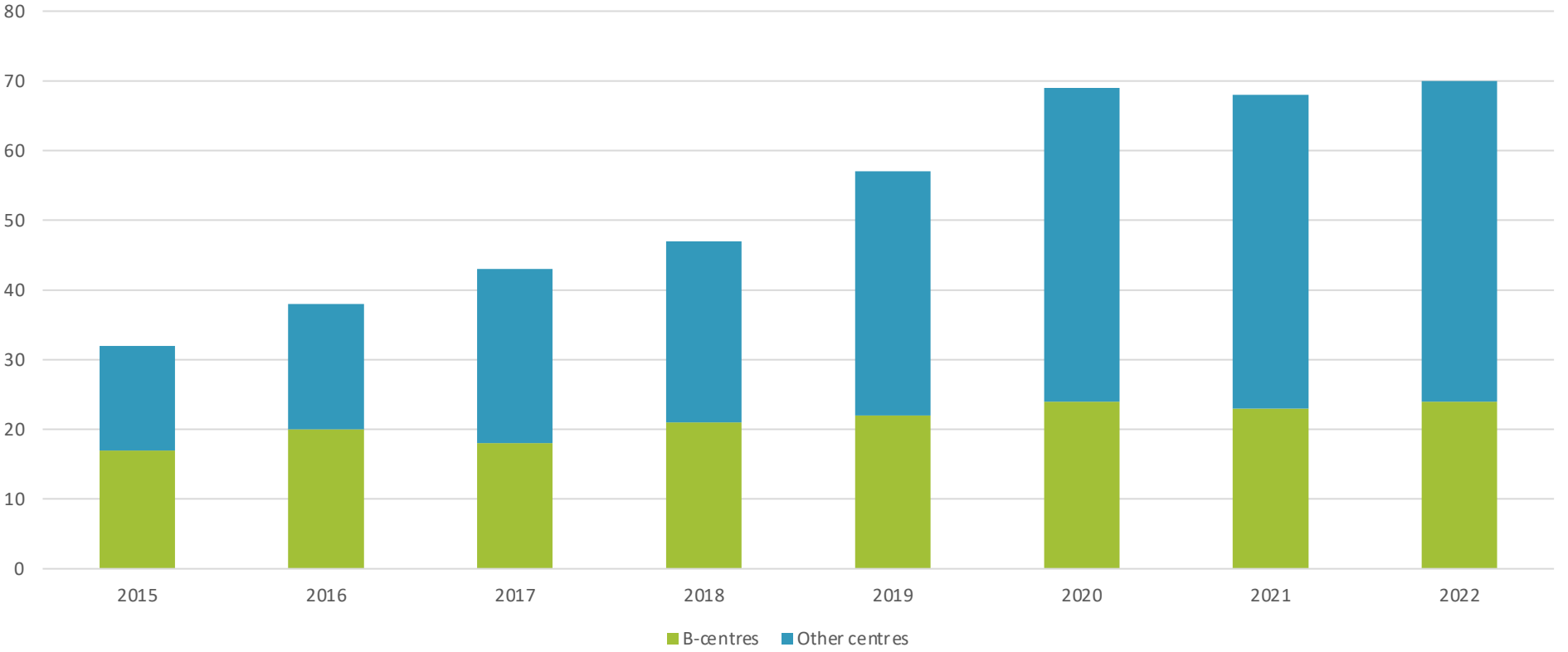
- Welcome back after two virtual CLARIN conferences
- Let’s embrace the positive aftermath of the pandemic episode: a fully hybrid annual conference

B-centres: what happened in the last year?

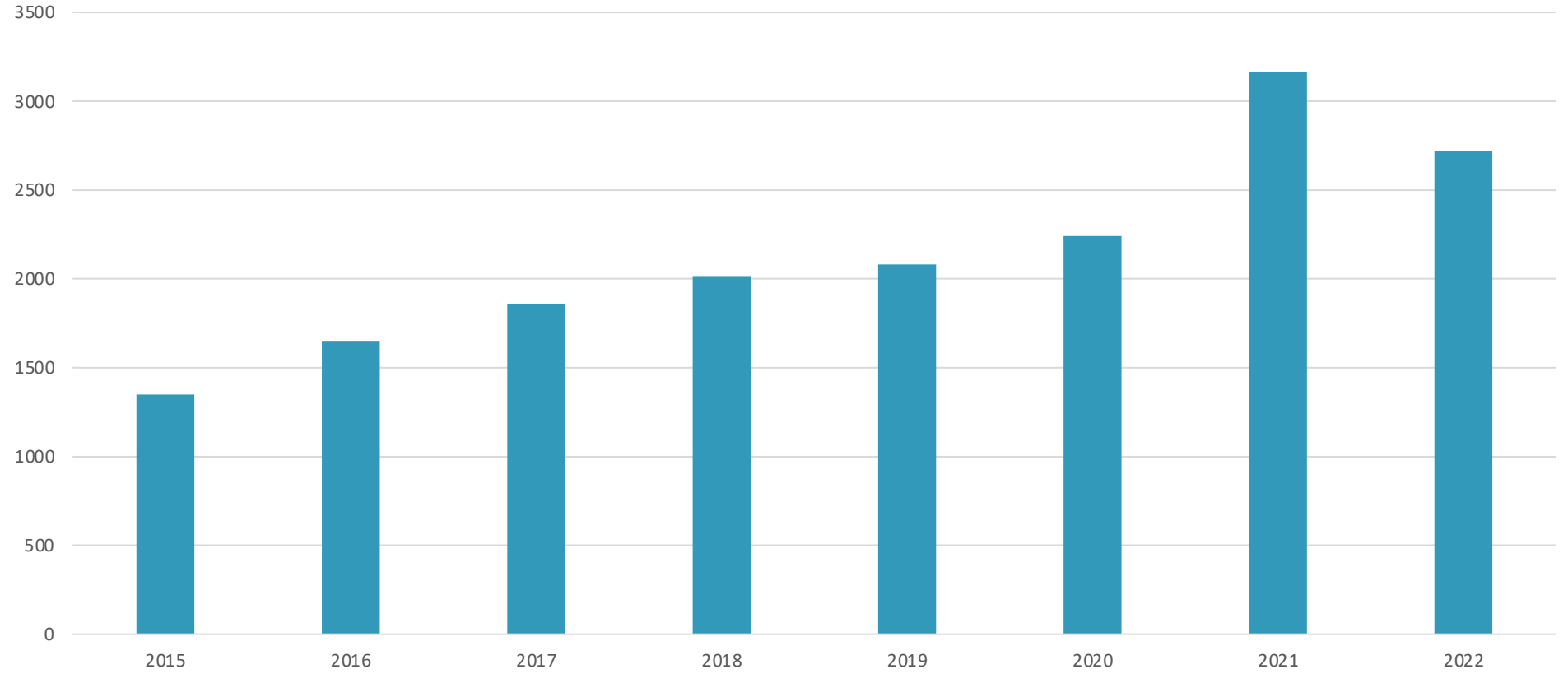
- New B-centre: CLARIN:EL (GR)
- Re-assessment of 3 centres:
  - CMU-Talkbank (US)
  - The Language Bank of Finland (FI)
  - MPI for Psycholinguistics (NL)
- more pending (waiting for CTS to be granted)
- 31 October: deadline for the **20th** assessment round

24 B-centres, 70 in total

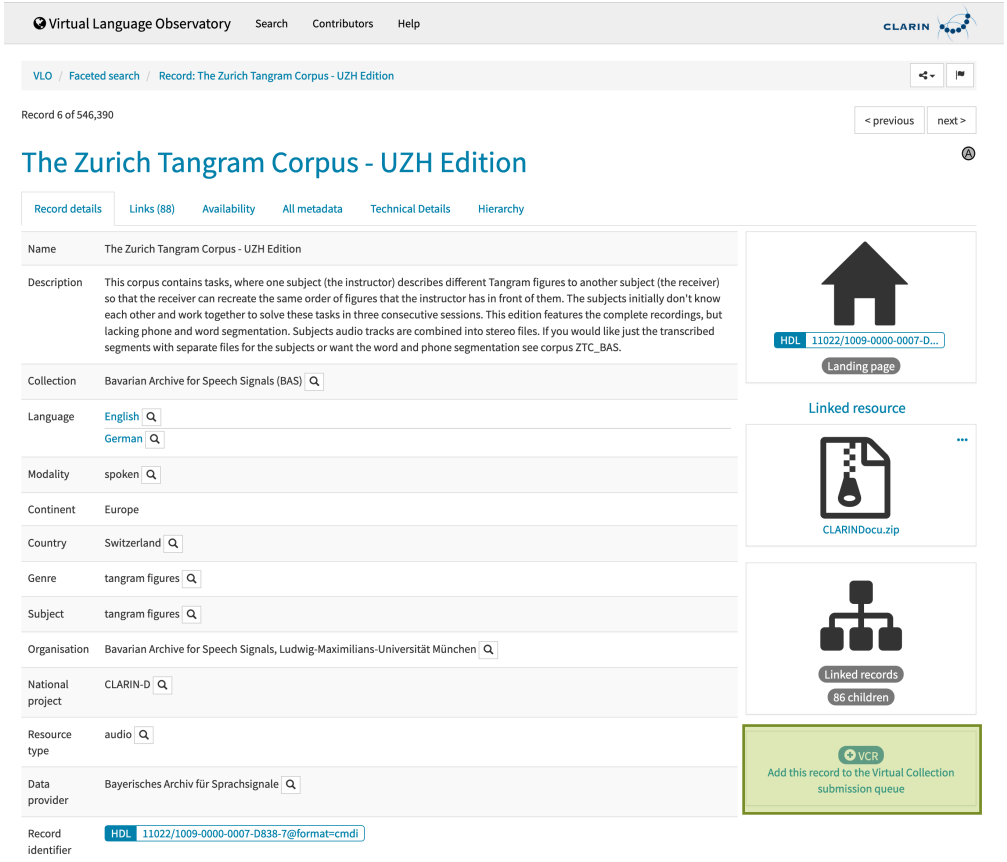


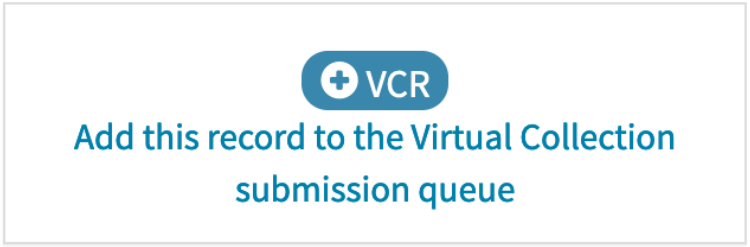


2722 monthly federated logins



Virtual Language Observatory





Metadata Curation & Link Checker

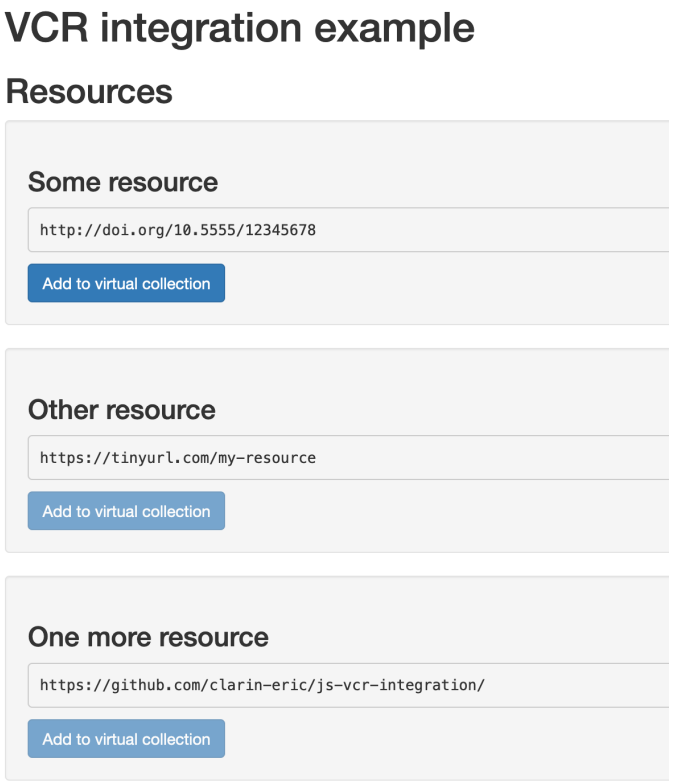
- A lot of work on the link checker and the Curation Dashboard took place
- **Restricted access** now a separate category
- Link checker now also available for testing via an (alpha) API
- Visit Wolfgang's bazaar stall this afternoon to learn more…

Overall

Category	Count	Average Response Duration(ms)	Max Response Duration(ms)
Ok	1081684	923.8	5566499.0
Undetermined	549	15.1	36.0
Restricted_Access	565818	235.8	4776.0
Blocked_By_Robots_txt	32694	N/A	N/A
Broken	50231	2235.8	6643.0
Invalid_URL	1	N/A	N/A
Total Count: 1730977 · Average Response Duration(ms): 752.8 · Max Response Duration(ms): 5566499.0			

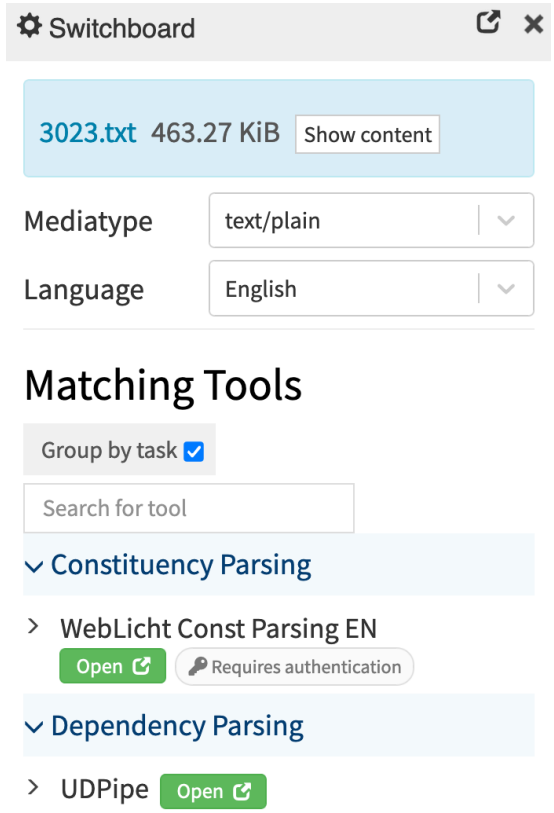
Virtual Collection Registry

- Seven versions were released, including
  - a smoother user interface
  - improved connectivity
    - CMDI explorer (collection download)
    - Switchboard pop-up
    - Easy javascript-based widget for integration



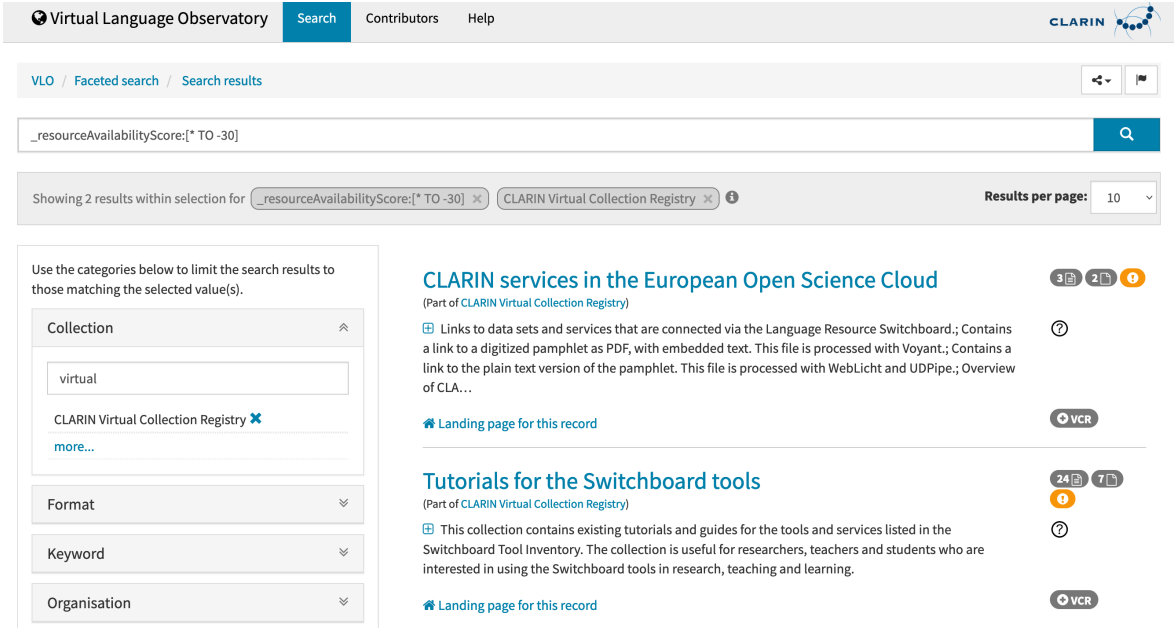
Language Resource Switchboard

- Versions 2.4.0 and 2.4.1 of the Switchboard bring
  - improvements to the user interface
  - (experimental) support for multiple input files



Bringing it all together (1)

- Which virtual collections contain at least one broken link?
- Team VCR & VLO & link checker can help out!



Bringing it all together (2)

Tutorials for the Switchboard tools

Record details | Links (32) | Availability | All metadata | Technical Details

Name	Type
introducing-udpipe-for-easy-natural-language-processing-in-r	HTML
udpipe-annotation.html	HTML
userguide.html	HTML
intro.html	HTML
voyant-tools-a-tutorial-for-text-analysis-df265d85d214	HTML

Resource details

Mime type: text/html

Link: https://medium.com/@priestleyal/voyant-tools-a-tutorial-for-text-analysis-df265d85d214

Automatic link checking

⚠ **The resource may not be available at this location.**

Result of automatic checking: the resource is unavailable (410 Gone)

Last check: 7 October 2022, 09:01

CLARIN for programmers - clarin.eu/programmers

- APIs
  - Central OpenAPI documentation for VCR, DOG, linkchecker
  - More future work on API-based design, e.g. VLO 5.0
- Javascript widgets for easy integration
  - Language Resource Switchboard
  - Virtual Collection Registry
- Notebooks
  - landing page: clarin.eu/notebooks
  - See *Processing Europeana Text Collections with Jupyter Notebooks* by Twan Goosen and Michał Gawor – this afternoon, *Teaching with CLARIN* session

Renewed status.clarin.eu

Overview

CLARIN website	Good Service
Centre Registry	Good Service
Component Registry	Good Service
Discovery Service	Good Service
Federated Content Search	Good Service
Language Resource Inventory	Good Service
Language Resource Switchboard	Good Service
CLARIN Identity Provider (user.clarin.eu)	Good Service
Virtual Collection Registry	Good Service
Virtual Language Observatory	Good Service

Upcoming Events

Next 30 Days

There are no upcoming events.

» View More

Recent Events

Last 7 Days

Thursday, October 6th 2022

There are no reported events.

Wednesday, October 5th 2022

VLO maintenance

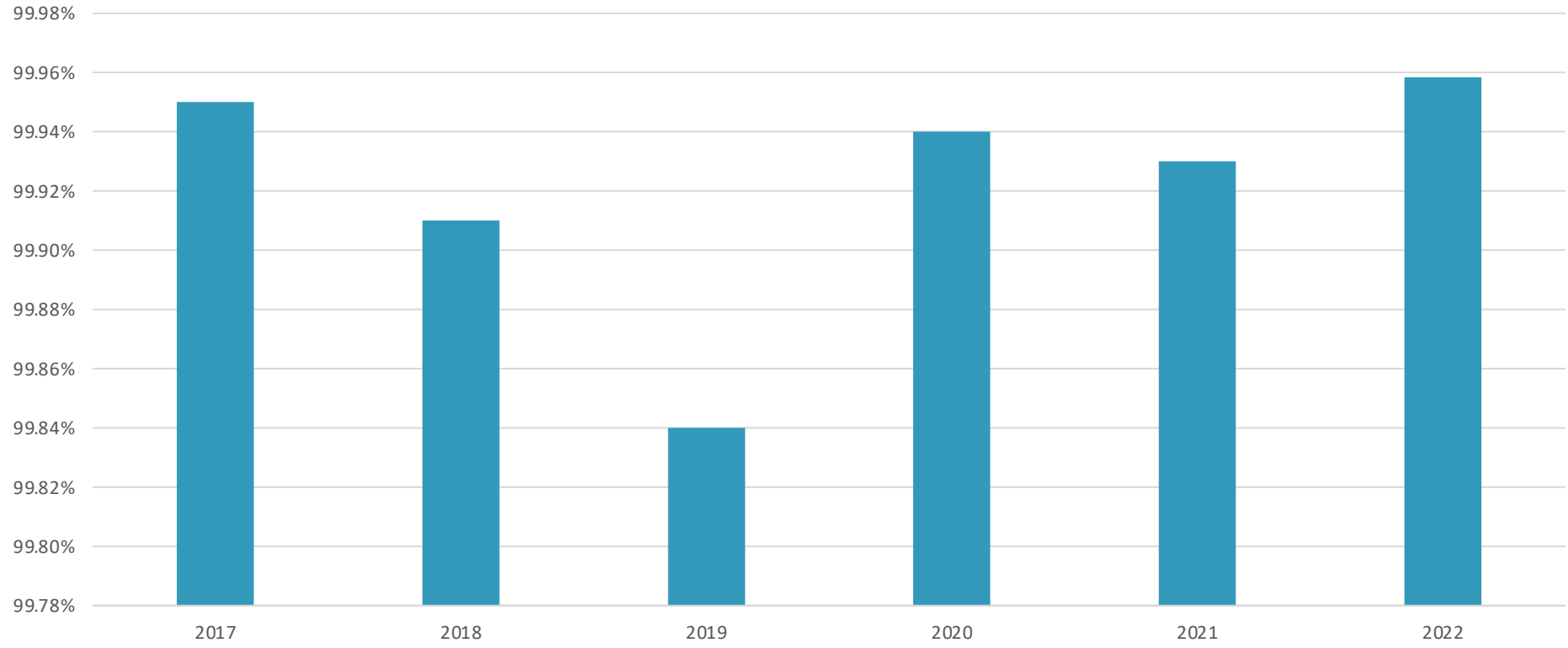
» View Event Details | Created Wednesday, 5th October 2022 11:00 CEST

Scheduled

We will be performing maintenance to the Virtual Language Observatory on Wednesday, 5 October 2022, between 11:00 and 12:00 CEST. As a result, the VLO (at <https://vlo.clarin.eu>;;) will not be available and/or may show incomplete content for some time within this slot.

Posted: Wednesday, 5th October 2022 11:00 CEST

Yearly uptime: 99.96%



Looking into the future

Source: https://labs.openai.com/s/pPWFn8WcG13NBPcPaUuEuejy

Looking into the future

- The illustration on the side is DALL-E's artistic interpretation of human language:
  - *Art deco Prague illustration with Charles bridge fading into a lit sci-fi cyber highway*
- Well suited since our host LINDAT/CLARIAH-CZ plays a major role in the development of language AI data sets and tools

Source: https://labs.openai.com/s/pPWFn8WcG13NBPcPaUuEuejy

Thank you for your attention!

With special thanks to:

- The assessment committee:
  - Lene, Cyprian, Daan, Jozef, Riccardo, Tomas
- The CLARIN ERIC central developer team:
  - Alex, André, Menzo, Michał, Patrick, Twan, Willem, Wolfgang
- Developers and contributors from the national consortia
- The taskforces:
  - CMDI & Curation, FCS, PIDs
- And all the others who are contributing to the construction & operation of the infrastructure!

One more thing…

Franciska's special CLARIN resource family

Limited Edition … Unlimited Fun!

CLARIN RESOURCE FAMILIES