



European Language Grid: Broad Overview – Services and Resources – Platform

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15/16/17-11-2021 META-FORUM 2021 – Using the European Language Grid (virtual conference) http://www.european-language-grid.eu



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Objectives (Selection)

- 1. Establish the ELG as the primary Language Technology platform and market place in Europe to tackle the fragmentation of the European LT landscape.
- 2. ELG as a platform for commercial and non-commercial, industry-related LTs (functional and non-functional).
- 3. Enable the European LT community to upload services and data sets, to deploy them and to connect with, and make use of those resources made available by others.
- 4. Enable businesses to grow and benefit from scaling up.
- 5. Unleash enormous potential for innovation.











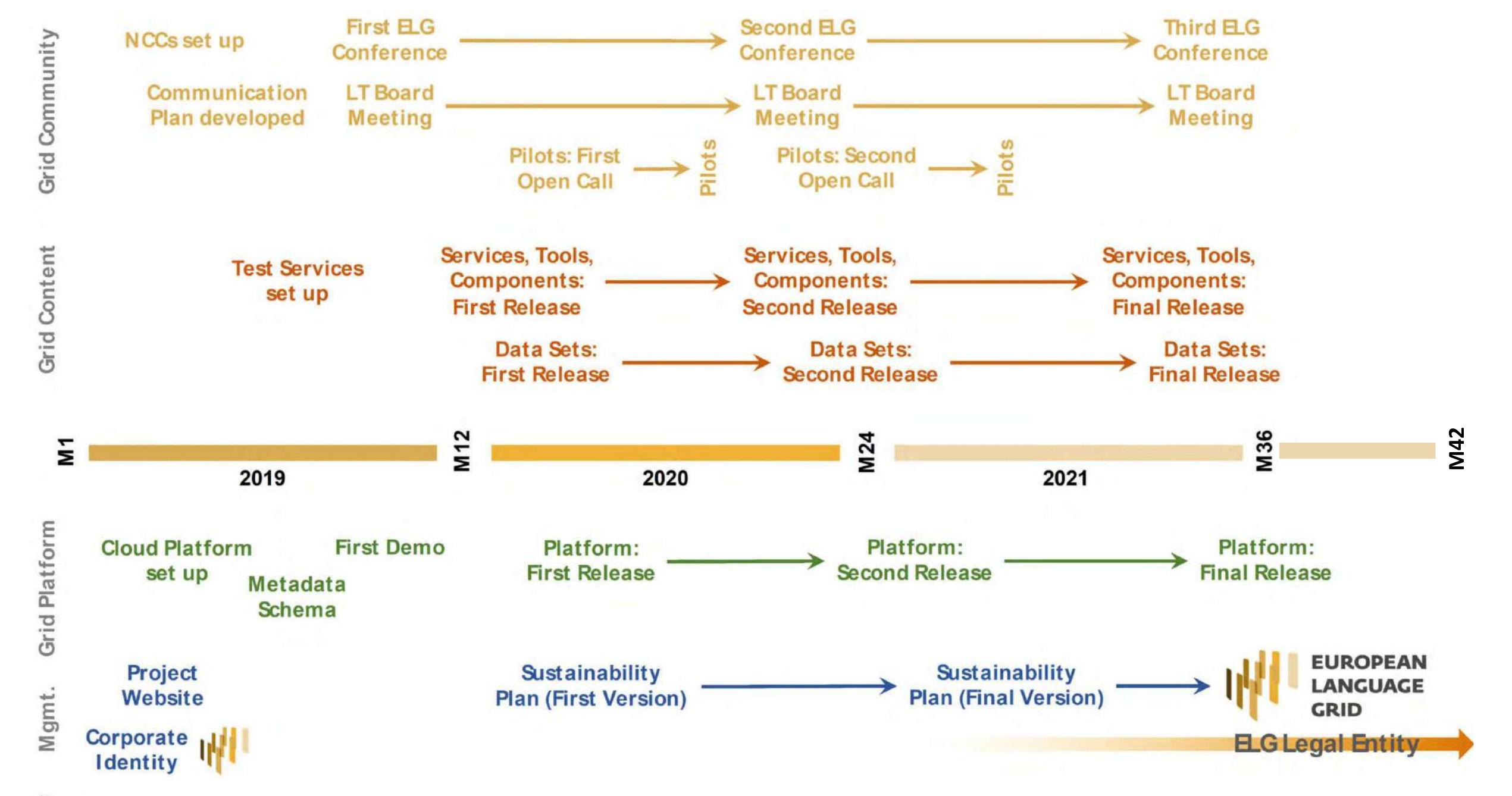








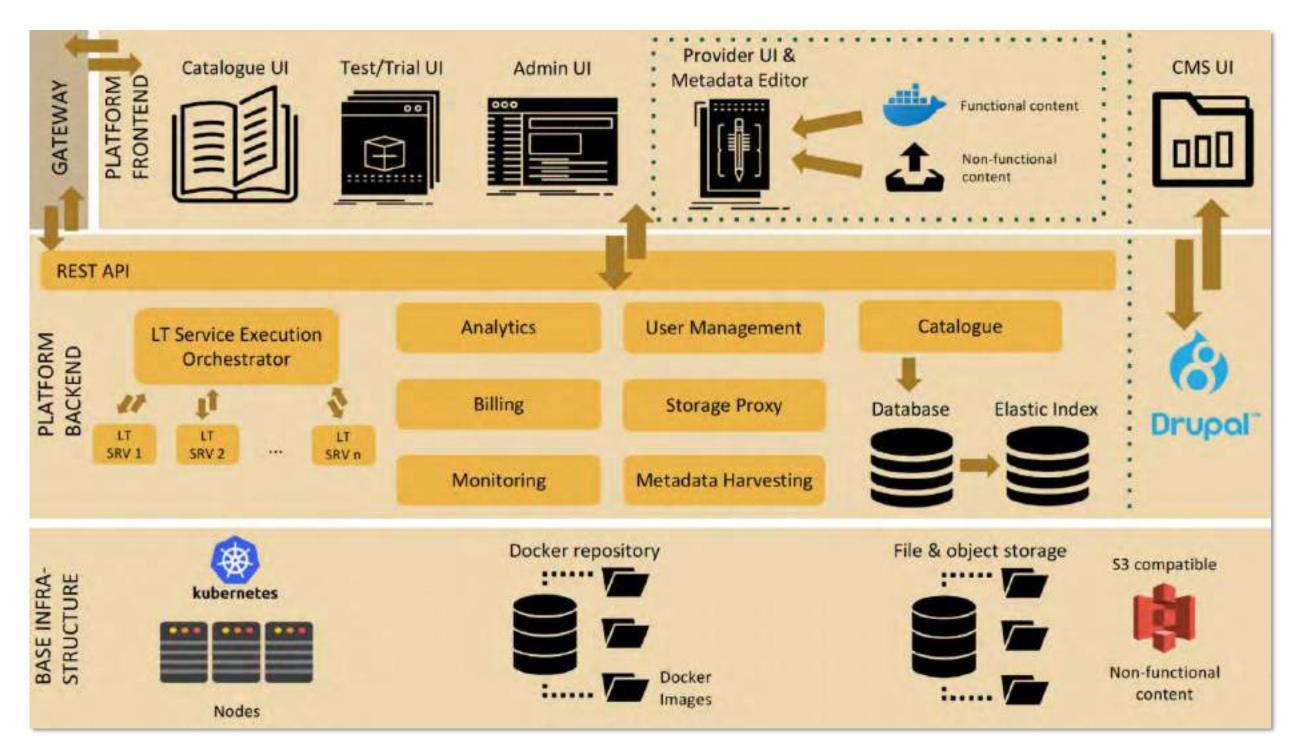




European Language Grid – Current State of Play (November 2021)

Current state of play ELG Release 2 (Nov. 2021):

- 450 functional services and tools
- 3563 corpora and data sets
- 948 lexical/conceptual resources
- 27 language descriptions, grammars, models
- 1789 organisations (research orgs., companies)



Users can connect to the ELG cloud platform via ELG APIs, remote APIs, ELG GUI, Python SDK, download of containers or source code.

- → Kalina Bontcheva: ELG LT services and resources
- → Stelios Piperidis: ELG platform and demonstration



urce Brows parser

Using ELG Services — it's really very simple!

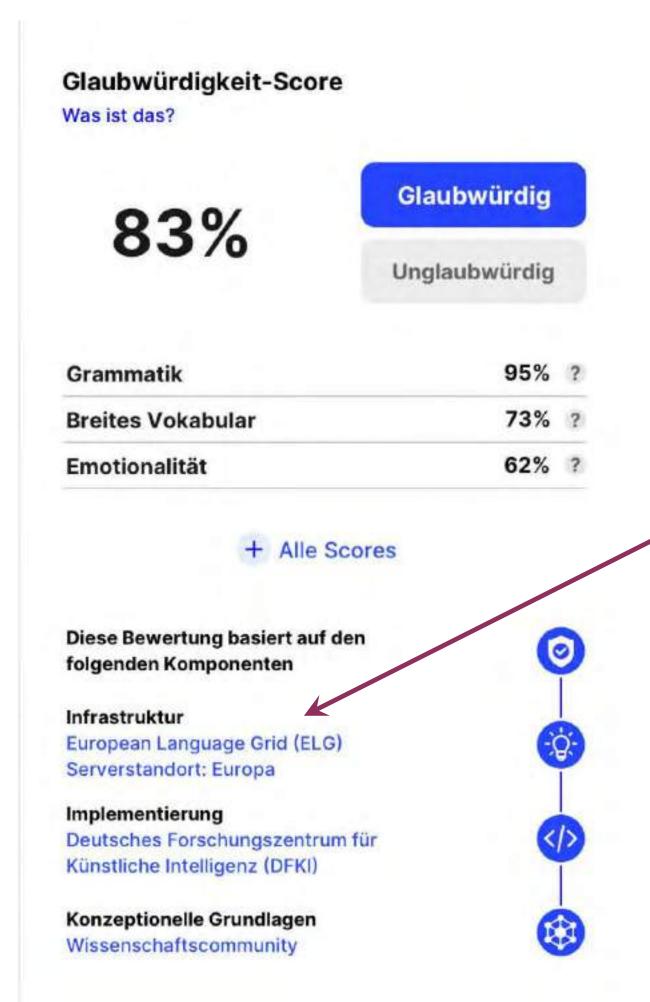
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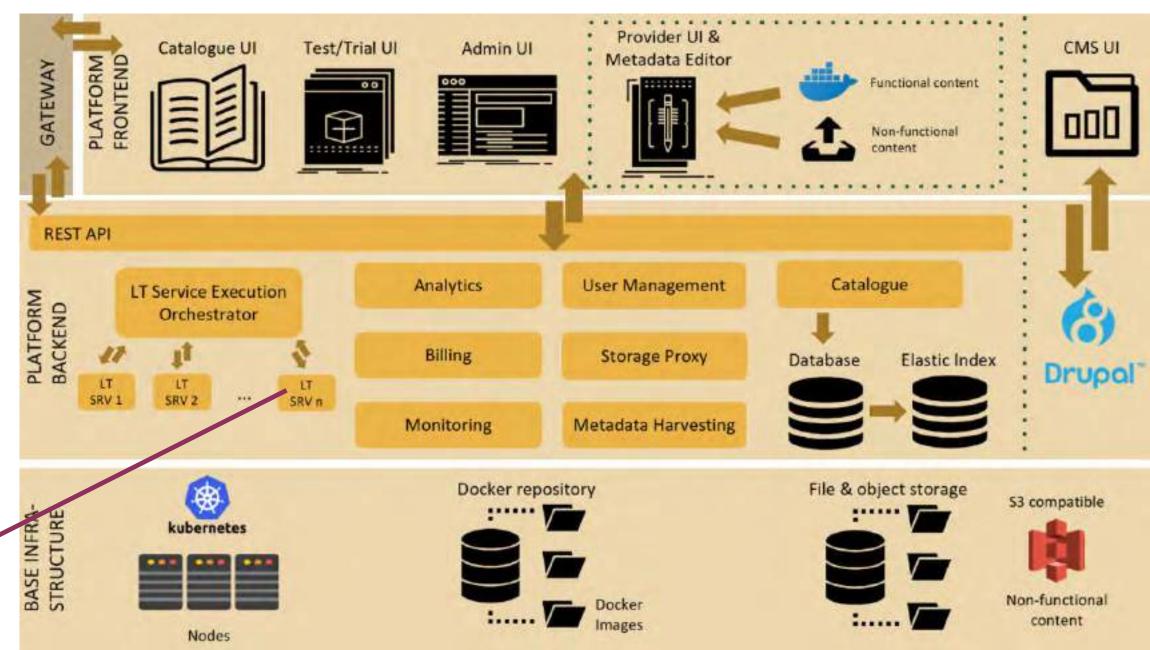


lugendliche in Spanien einen Kulturgutschein. Alle, achein in Höhe von 400 Euro von der Regierung länger können damit keine Tickets für Stierkämpfe

ahmen, die die Regierung in den heine sollen der Kultur- und Veranstaltungsbranche während der Corona-Lockdowns zu erholen. Nach

JAP Enter National Languages Pro Physics, 1994.





- In the project PANQURA we perform automated credibility assessment of online content.
- The corresponding tool is hosted in ELG and can be called through the public ELG API.
- The service's response is exposed to the user in this specific example clearly indicating the source of the service and also where the server is located, which is important to users.

WELG

Stakeholders and Users

Companies that

- … develop Language Technologies
- … integrate Language Technologies
- ... purchase Language Technologies

Universities and research centres that

- ... develop Language Technologies
- ... use Language Technologies



META-FORUM 2019 (8/9 October) – Brussels, Belgium

Public administrations that *purchase* or *use* Language Technologies

Other organisations (e.g., NGOs) that *purchase* or *use* Language Technologies

Funding agencies that support the development of Language Technologies

Stakeholders and Users and Collaborators





Sourmet

lobal Under Resourced MEdia Translation









ELG Open Calls: 15 pilot projects

ICT-29b research and innovation projects

ELE – European Language Equality

Al4EU – European Al on demand platform

Other related projects: Elexis, Lynx, MeMAD, CEF INEA projects (MAPA, NTEU etc.), OpenGPT-X, NFDI4DataScience etc.

Core networks: META-NET, LT Innovate

Additional initiatives: CLAIRE, AI PPP, ELRC, ECSPM, EFNIL, BDVA, NPLD, CLARIN, W3C, NGI, RDA, EOSC, OpenAIRE etc.



Community: NCCs and LTC

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32 National Competence Centres (NCCs)

- Strong international network of national networks to broaden ELG's reach, identify content for the ELG and interest companies in using the ELG.
- Main goal: support the mission of the ELG project.

European LT Council (LTC) (work in progress)

- A pan-European body i**EUROPEAN**tegic LT-related matters can be discussed by Copyllatery
- o Main goal: represent and support European LT community.



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European Language Grid

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European Language Grid: Sustainable Operational Model & Legal Entity

- ELG is supposed to be a long-term, sustainable initiative a legal entity is needed.
- The technical and operational requirements high availability and performance, SLAs,
 billing, support etc. create non-trivial costs: hosting; bandwidth; ELG team; legal; etc.
- · We've identified several ways and approaches of covering the costs on a long-term basis.
- Establish consensus for a sustainable operational model.
- Options: a) for-profit or b) not-for-profit company, c) association, d) foundation
- Business Model Canvas prepared
- First set of approx. 20 products defined
- Next up: market validation of the product ideas
- Q1/Q2 2022: Establish legal entity





Open Calls for Pilot Projects

Two open calls for pilot projects

Open Call #1: 03/04 2020

Open Call #2: 10/11 2020

Pilot projects shall

Type A: broaden ELG's portfolio or

Type B: demonstrate usefulness of ELG

Up to €200,000 per project

Approx. €2,000,000 FSTP in total

Available in Open Call #1: 1.3M€

Available in Open Call #2: 585k€

Project duration: 9-12 months

Eligibility: SMEs, research organisations

Open Call #1 – Statistics

110 project proposals evaluated

• Type A: 79 – Type B: 31 proposals

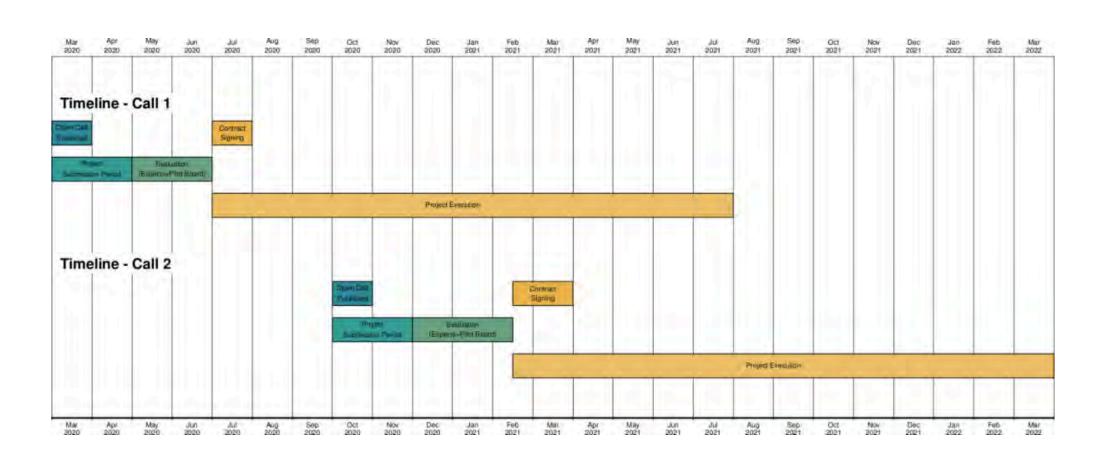
Total amount requested: 16.9M€

→ 10 projects selected

Open Call #2 – Statistics

106 project proposals evaluated

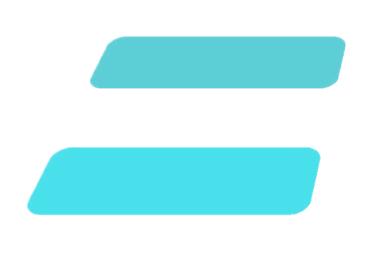
→ 5 projects selected





Open Call #2 Open Call #1	Fondazione Bruno Kessler	European Clinical Case Corpus 🗸	IT	139,370€
	Lingsoft, Inc.	Lingsoft Solutions as Distributable Containers 🗸	FI	140,625€
	Coreon GmbH	MKS as Linguistic Linked Open Data 🗸	DE	167,375€
	Elhuyar Fundazioa	Basque-speaking smart speaker based on Mycroft Al 🗸	ES	117,117€
	Universita' Degli Studi di Torino	Italian EVALITA Benchmark Linguistic Resources, NLP Services and Tools ✓	IT	126,125€
	University of Helsinki	Open Translation Models, Tools and Services 🗸	FI	154,636€
	University of Vienna	Extracting Terminological Concept Systems from Natural Language Text	AT	132,977€
	University of Turku	Textual paraphrase dataset for deep language modelling 🗸	FI	166,085€
	Weber Consulting KG	Virtual Personal Assistant Prototype 🗸	AT	87,445€
	FZI Research Center for IT	Streaming Language Processing in Manufacturing 🗸	DE	132,160€
	Institute for Bulgarian Language	Multilingual Image Corpus 2021	BG	110,960€
	EDIA BV	CEFR Labelling and Assessment Services	NL	137,560€
	University of West Bohemia	Motion Capture 3D Sign Language Resources	CZ	85,421€
	Sapienza University of Rome	Universal Semantic Annotator	IT	113,228€
	Sign Time GmbH	Sign language explanations for terms in a text	AT	137,227€

European Language Equality (ELE)



EUROPEAN LANGUAGE EQUALITY



Consortium: 52 partners from all over Europe.

Coordinator: ADAPT Centre (Dublin City University).

Objective: Development of a strategic research, innovation and deployment agenda to achieve digital language equality in Europe by 2030.

Runtime: 18 months – ELE and ELG will both end in June 2022.

Started on 1 January 2021.

→ ELE session (Wednesday, 09:00-10:30)

Resource Types

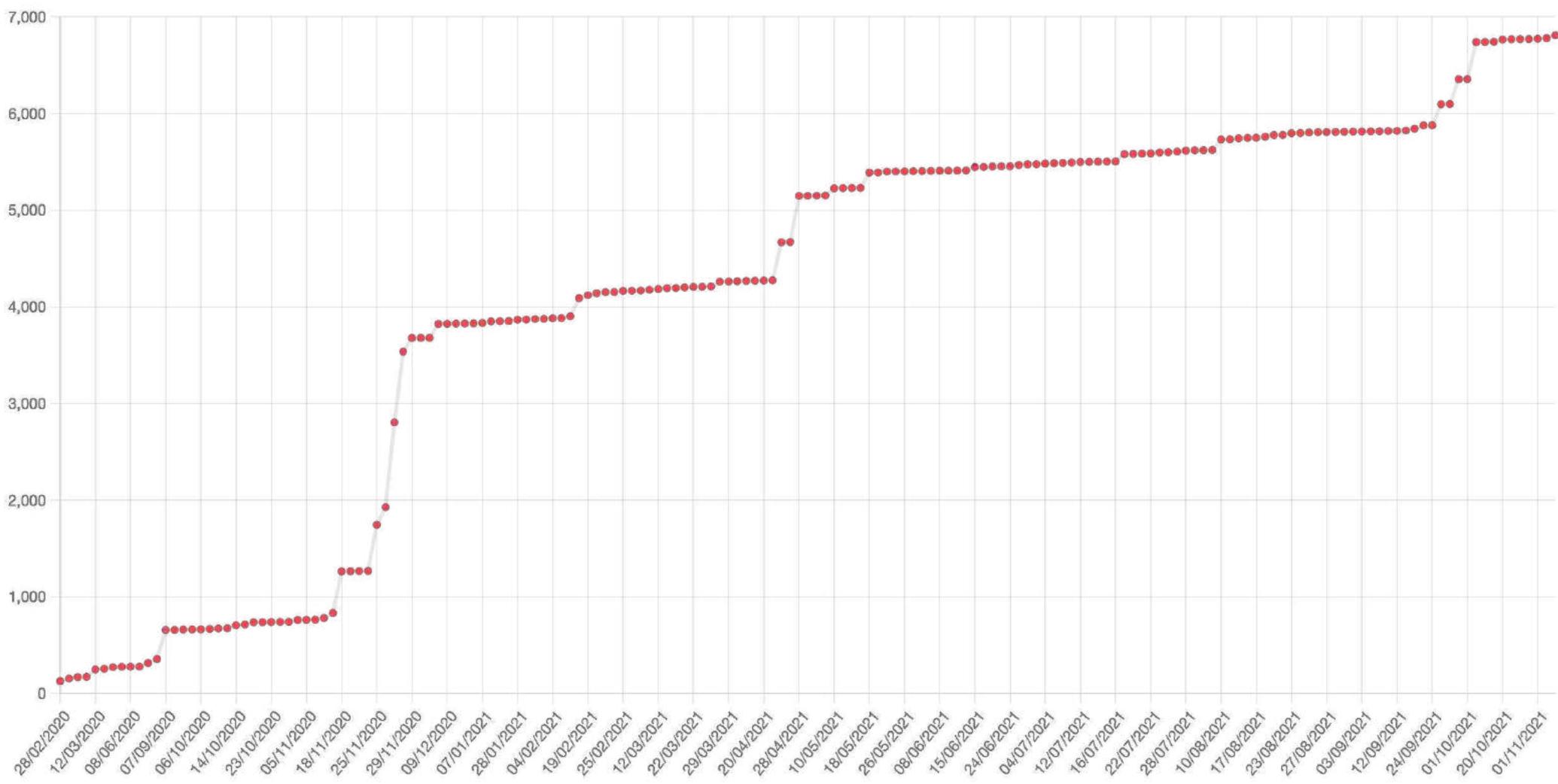


	01/12/2020 META-FORUM 2020	12/11/2021 META-FORUM 2021
Corpora	1851	3563
Tools/Services	173	450
Language Descriptions	7	37
Lexical Conceptual Resources	728	948
Projects	24	32
Total	3679	5030
Resources collected by ELE		approx. 6000
Total (online soon)	3679	11030



Number of Resources over Time



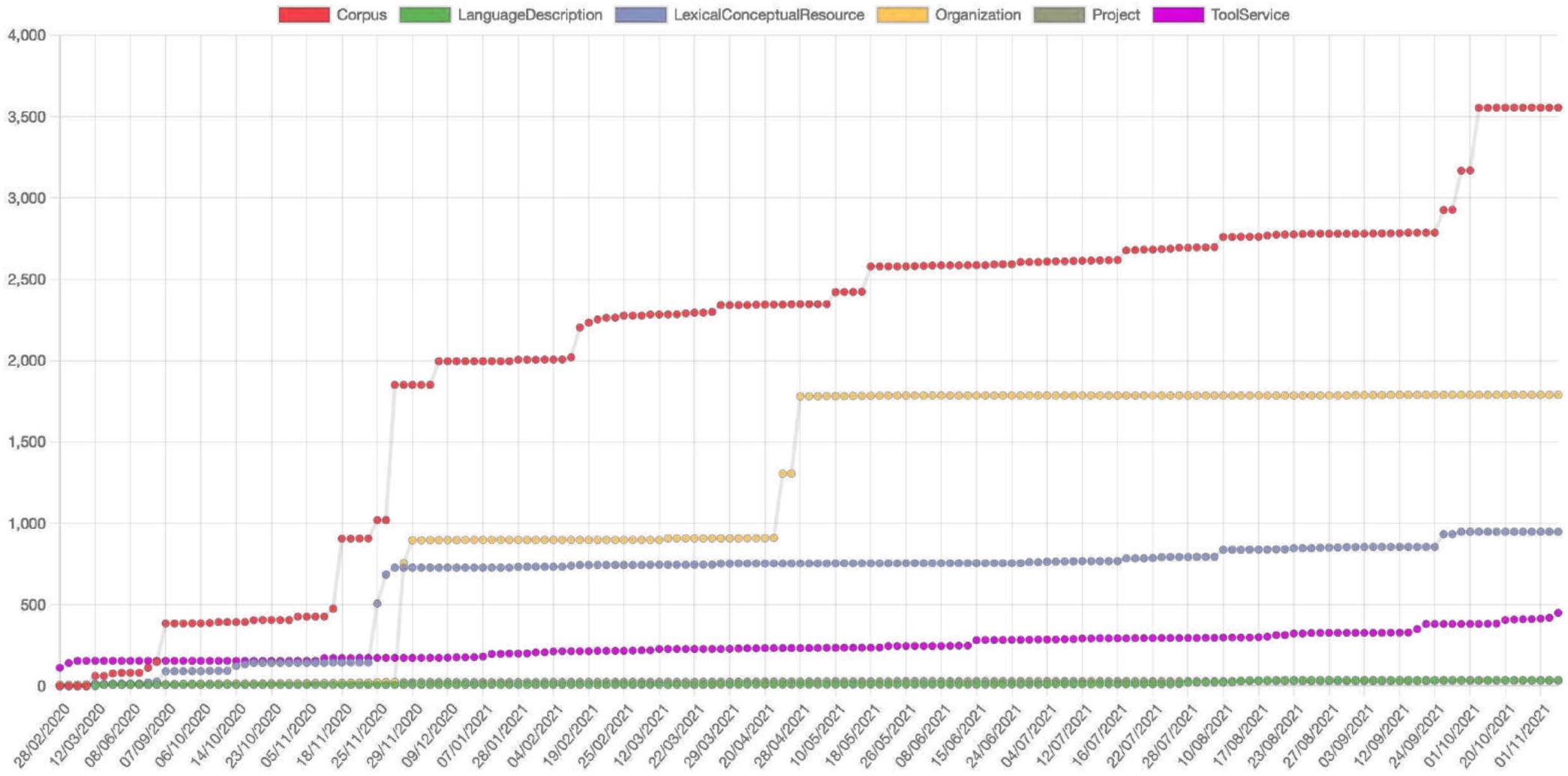




Number of Resources and Resource Types



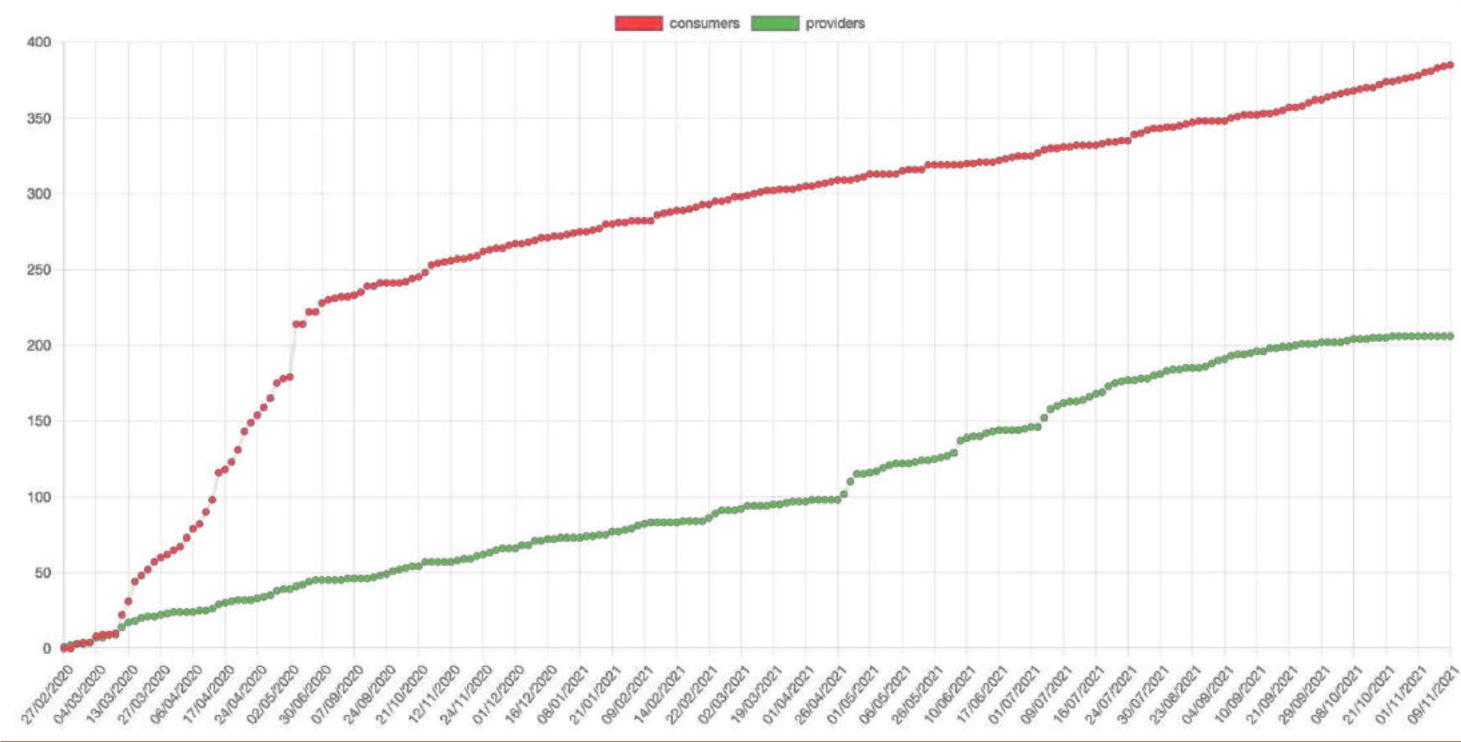
EUROPEAN LANGUAGE GRID





Number of Users



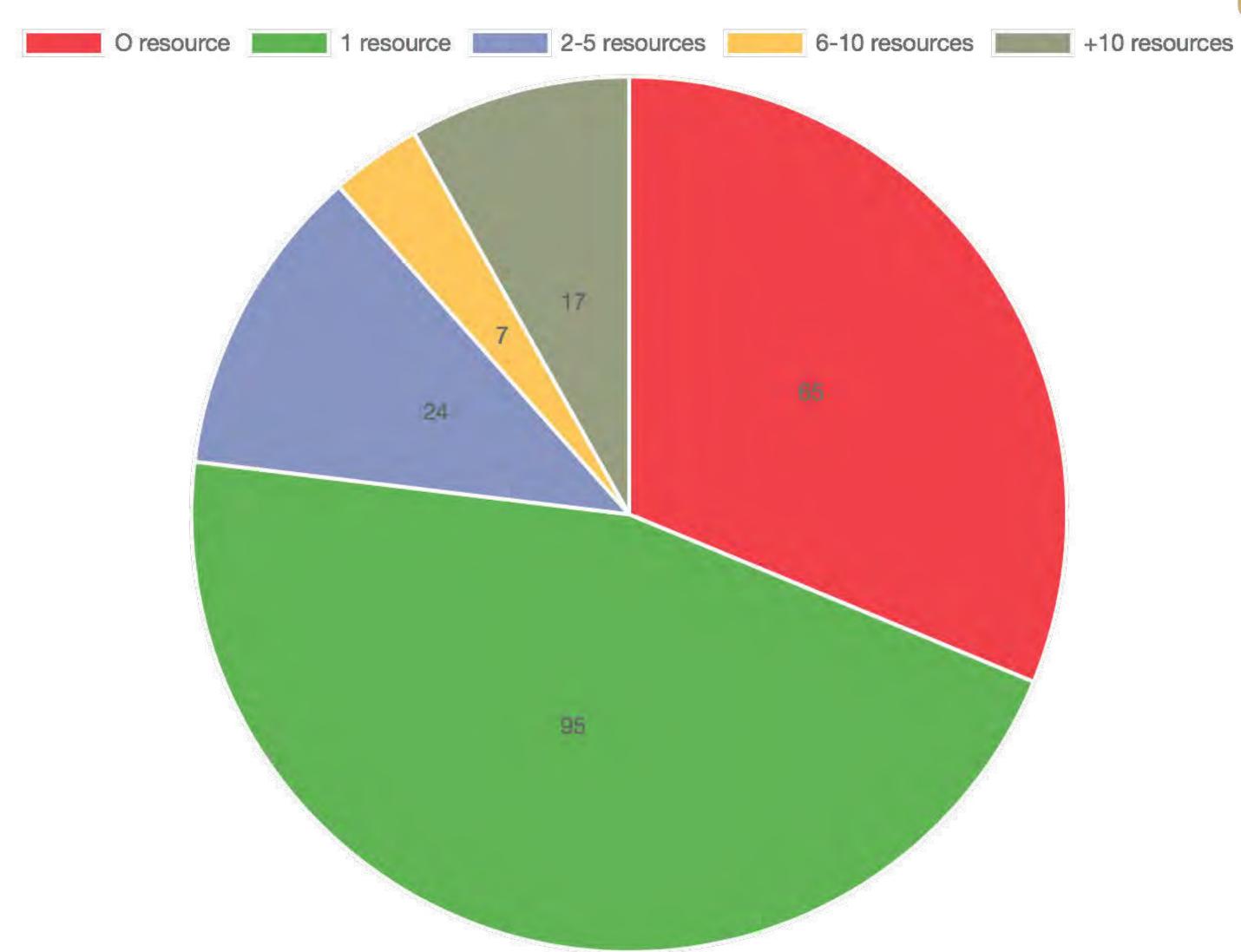


	01/12/2020 META-FORUM 2020	28/10/2021 META-FORUM 2021
Consumers	283	385
Providers	50	206
Total	333	591



Active Providers



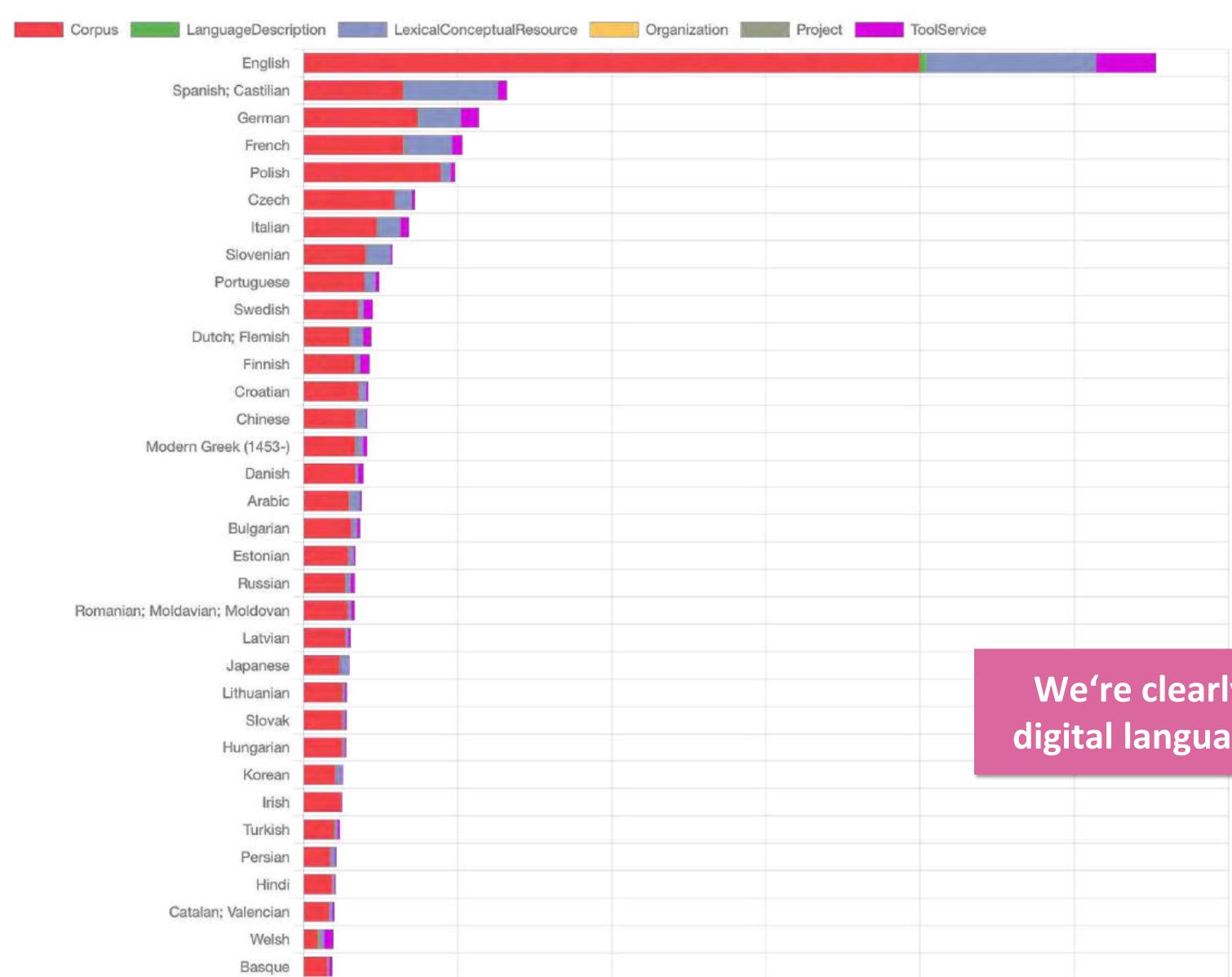




Languages of the Resources







We're clearly very far away from digital language equality in Europe.