

**EUROPEAN  
LANGUAGE  
GRID**

**META**  **NET**  
**META**  **FORUM 2022**

 **EUROPEAN  
LANGUAGE  
EQUALITY**

**META-FORUM 2022**

**Joining the European Language Grid:**

**Together towards Digital Language Equality**

**11<sup>th</sup> META-FORUM – 4<sup>th</sup> Annual ELG Conference – 1<sup>st</sup> Annual ELE Conference**

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georg.rehm@dfki.de

08/09-06-2022 META-FORUM 2022 – Joining the European Language Grid (hybrid conference)  
<http://www.european-language-grid.eu> – <http://european-language-equality.eu>

**META-FORUM 2022** – June 08/09, Brussels, Belgium – *hybrid*

**Joining the European Language Grid**

**META-FORUM 2021** – November 15-17, virtual conference

**Using the European Language Grid**

**META-FORUM 2020** – December 01-03, virtual conference

**Piloting the European Language Grid**

**META-FORUM 2019** – October 08/09, Brussels, Belgium

**Introducing the European Language Grid**

**META-FORUM 2017** – November 13/14, Brussels, Belgium

**Towards a Human Language Project**

**META-FORUM 2016** – July 04/05, Lisbon, Portugal

**Beyond Multilingual Europe**

**META-FORUM 2015** – April 27, Riga, Latvia

**Technologies for the Multilingual Digital Single Market**

**META-FORUM 2013** – September 19/20, Berlin, Germany

**Connecting Europe for New Horizons**

**META-FORUM 2012** – June 20/21, Brussels, Belgium

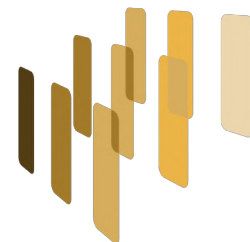
**A Strategy for Multilingual Europe**

**META-FORUM 2011** – June 27/28, Budapest, Hungary

**Solutions for Multilingual Europe**

**META-FORUM 2010** – November 17/18, Brussels, Belgium

**Challenges for Multilingual Europe**



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**META  FORUM 2022**

**11th META-FORUM**

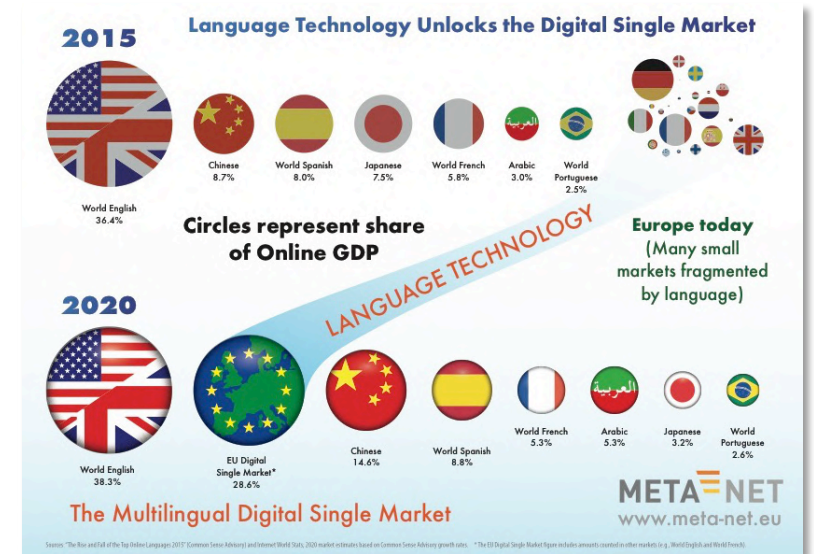
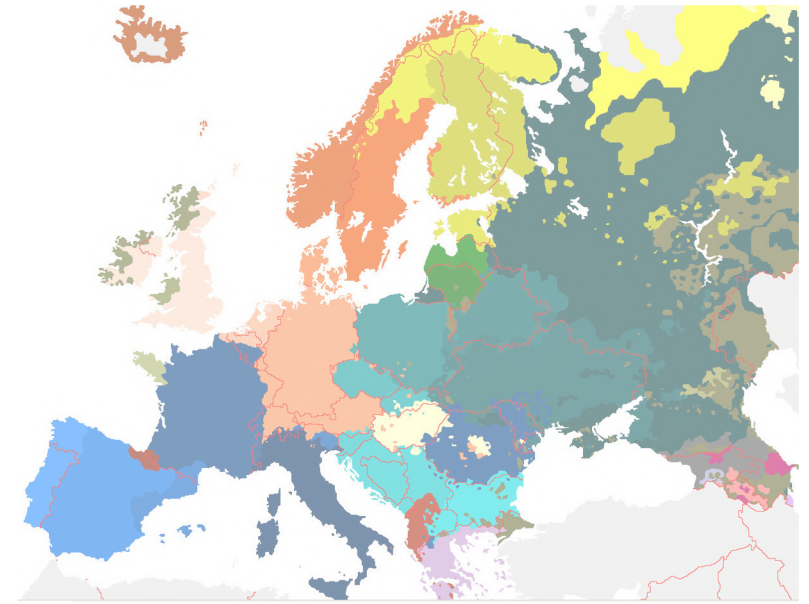
**4th Annual ELG Conference**

**1st Annual ELE Conference**

**Joining the European Language Grid:  
Together towards Digital Language Equality**

# Multilingualism in Europe

- Multilingualism is at the heart of the European idea
- 24 EU languages – they all have the same status
- Dozens of regional and minority languages as well as languages of immigrants and trade partners
- Many economic, social and technical challenges:
  - The Digital Single Market needs to be multilingual
  - Cross-border, cross-lingual, cross-cultural communication
  - Fragmentation of the LT market and landscape (including availability of LTs and LRs)
  - Digital language equality



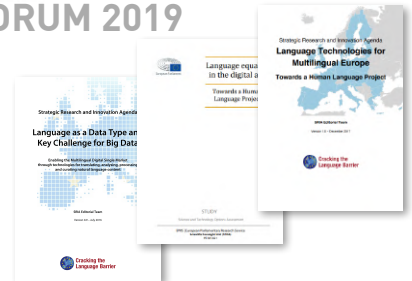


# META=FORUM 2015



# META=FORUM 2017

# META=FORUM 2019



# META=FORUM 2010

## T4ME

**T4ME**  
EU-funded project (Seventh Framework Programme) working on technologies for the Multilingual European Information Society

# META=SHARE

# META=FORUM 2012

**META-FORUM 2012**  
Conference "A Strategy for Multilingual Europe" (Brussels – June 20/21, 2012)

**META-NET White Papers**  
Release of 32 volumes on 31 languages, revealing that there is a severe threat of digital extinction for at least 21 European languages (December 2012)

**CRACKER**  
EU-funded project CRACKER (Horizon2020) pushing towards an improvement of MT research in terms of efficiency and effectiveness (2015 – 2017)

**Cracking the Language Barrier Federation**  
Founded in 2015, the federation has been assembling European research and innovation projects as well as all related community organisations working on multilingual technologies

**META-FORUM 2015**  
Conference "Technologies for the Multilingual Digital Single Market" (Riga – April 27, 2015)

**Strategic Agenda for the Multilingual Digital Single Market (Version 0.5)**  
Launch of the Strategic Agenda for the Multilingual Digital Single Market titled "Technologies for Overcoming Language Barriers towards a truly integrated European Online Market" (April 2015)

**Riga Summit on the Multilingual Digital Single Market**  
Summit "Shape the future of the multilingual digital single market" (April 27–29, 2015)

**"Language Equality in the Digital Age"**  
Workshop on "Language Equality in the Digital Age", commissioned by the EU Parliament's Science and Technology Options Assessment Committee (STOA) (January 2017)

**"Language equality in the digital age: Towards a Human Language Project"**  
Launch of the study on "Language equality in the digital age: Towards a Human Language Project", commissioned by the EU Parliament (March 2017)

**META-FORUM 2017**  
Conference "Towards a Human Language Project" (Brussels – November 13/14, 2017)

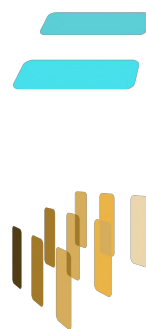
**Strategic Research and Innovation Agenda (V1.0)**  
Launch of the Strategic Research and Innovation Agenda titled "Language Technologies for Multilingual Europe – Towards a Human Language Project" (December 2017)

# EUROPEAN LANGUAGE EQUALITY

2021-2022

# EUROPEAN LANGUAGE GRID

2019-2022



## META=NORD

**META-NORD**  
EU-funded (ICT PSP) Project to establish an open linguistic infrastructure in the Baltic and Nordic countries (2011 – 2013)

## METANET4U

**METANET4U**  
EU-funded project (ICT PSP) to enhance the European Linguistic Infrastructure (2011 – 2013)



**CESAR**  
EU-funded project (ICT PSP) functioning as a part of META-NET to standardise language resources and tools (2011 – 2013)

**META-FORUM 2011**  
Conference "Solutions for Multilingual Europe" (Budapest – June 27/28, 2011)

# META=FORUM 2011

**"State of the Art of Machine Translation – Current Challenges and Future Opportunities"**  
Workshop on "State of the Art of Machine Translation", commissioned by the EU Parliament (December 2013)

**META-SHARE**  
Initiated in 2013, META-SHARE has functioned as an open and secure network of repositories for sharing and exchanging language data, tools and services

**Strategic Research Agenda for Multilingual Europe 2020**  
Launch of the Strategic Research Agenda for Multilingual Europe 2020 (January 2013)

**META-FORUM 2013**  
Conference "Connecting Europe for New Horizons" (Berlin – September 19/20, 2013)

# META=FORUM 2013

## 2014

**Strategic Research and Innovation Agenda (Version 0.9)**  
Launch of the Strategic Research and Innovation Agenda titled "Language as a Data Type and Key Challenge for Big Data" (July 2016)

**META-FORUM 2016**  
Conference "Beyond Multilingual Europe" (Lisbon – July 4/5, 2016)



# META=FORUM 2016

## 2016

**ELG Final Proposal Submission**  
Final submission on Feb. 20, 2018



## 2017

## 2018



# “Language Equality” EP Resolution (2018)

EP Resolution “Language equality in the digital age”  
P8\_TA(2018)0332 – partially based on the STOA study

Voting (11 Sept. 2018): **592 yes** – 45 no

## Recommendations addressed by European Language Grid:

29. Create a European LT platform for sharing of services

41. Enable and empower European SMEs to use LTs

26. ICT integrators should be given economic incentives for LT

27. Europe has to secure its leadership in language-centric AI

32. Set up LT financing platform; emphasise R&D in Deep NLU

40. Develop investment instruments and accelerator programs

European Parliament

2014-2019



TEXTS ADOPTED  
Provisional edition

P8\_TA-PROV(2018)0332

Language equality in the digital age

European Parliament resolution of 11 September 2018 on language equality in the digital age (2018/2028(INI))

*The European Parliament,*

- having regard to Articles 2 and 3(3) of the Treaty on the Functioning of the European Union (TFEU),
- having regard to Articles 21(1) and 22 of the Charter of Fundamental Rights of the European Union,
- having regard to the 2003 UNESCO Convention for the Safeguarding of the Intangible Cultural Heritage,
- having regard to Directive 2003/98/EC of the European Parliament and of the Council of 17 November 2003 on the re-use of public sector information<sup>1</sup>,
- having regard to Directive 2013/37/EU of the European Parliament and of the Council of 26 June 2013 amending Directive 2003/98/EC on the re-use of public sector information<sup>2</sup>,
- having regard to Decision (EU) 2015/2240 of the European Parliament and of the Council of 25 November 2015 establishing a programme on interoperability solutions and common frameworks for European public administrations, businesses and citizens (ISA2 programme) as a means for modernising the public sector<sup>3</sup>,
- having regard to the Council resolution of 21 November 2008 on a European strategy for multilingualism (2008/C 320/01)<sup>4</sup>,
- having regard to the Council decision of 3 December 2013 establishing the specific programme implementing Horizon 2020 – the Framework Programme for Research and

<sup>1</sup> OJ L 345, 31.12.2003, p. 90.

<sup>2</sup> OJ L 175, 27.6.2013, p. 1.

<sup>3</sup> OJ L 318, 4.12.2015, p. 1.

<sup>4</sup> OJ C 320, 16.12.2008, p. 1.



# More and more traction for our topic ...

## Council of the European Union

### Education, Youth, Culture and Sport Council, 4-5 April 2022

#### Main Results

*Approval of Council conclusions on reinforcing intercultural exchanges and on a European strategy for cultural and creative industries*

The conclusions also call for the development of an ambitious digital policy for the development of language technologies, translation and lifelong language learning and teaching. The EU wants to take advantage of new technologies to foster multilingualism, which nurtures cultural exchanges and facilitates access to culture.

<https://www.consilium.europa.eu/en/meetings/eycs/2022/04/04-05/>

#### RÉSULTATS DES TRAVAUX

Origine:	Secrétariat général du Conseil
Destinataire:	délégations
N° doc. préc.:	6756/22
Objet:	Conclusions du Conseil sur "Le renforcement des échanges interculturels par la mobilité des artistes et des professionnels de la culture et de la création, et par le multilinguisme à l'ère numérique"

Les délégations trouveront en annexe les conclusions du Conseil sur "Le renforcement des échanges interculturels par la mobilité des artistes et des professionnels de la culture et de la création, et par le multilinguisme à l'ère numérique", approuvées par le Conseil " Éducation, jeunesse, culture et sport lors de sa session du 4 avril 2022.

# Global NLP/LT Market



The Global Natural Language Processing (NLP) Market was valued at USD 10.72 billion in 2020, and it is expected to be worth USD 48.46 billion by 2026, registering a CAGR of 26.84% during th forecast period (2021-2026). Due to the ongoing Covid-19 pandemic the market is witnessing growth in healthcare sector.

### Natural language processing market revenue worldwide 2017-2025

Published by [Statista Research Department](#), Mar 17, 2022



Worldwide revenue from the natural language processing (NLP) market is forecast to increase rapidly in the next few years. The NLP market is predicted be almost 14 times larger in 2025 than it was in 2017, increasing from around three billion U.S. dollars in 2017 to over 43 billion in 2025. Natural language processing (NLP) is a branch of artificial intelligence (AI) that helps computers understand, interpret and manipulate human language. Drawing from computer science and computational linguistics among other



MARKETSANDMARKETS

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**[271 Pages Report]** The global Natural Language Processing market size to grow from USD 11.6 billion in 2020 to USD 35.1 billion by 2026, at a Compound Annual Growth Rate (CAGR) of 20.3% during the forecast period. Growing demand for cloud-based NLP solutions to reduce overall costs and better scalability and increasing usage of smart devices to facilitate smart enviroments are expected to drive the natural language processing market growth. The rise in the adoption of NLP-based applications across verticals to enhance customer experience and increase in investments in the healthcare vertical is expected to offer opportunities for NLP vendors.

\$48.46B in 2026

\$43B in 2025

\$35.1B in 2025

# European Language Technology – *Relevance & Urgency*

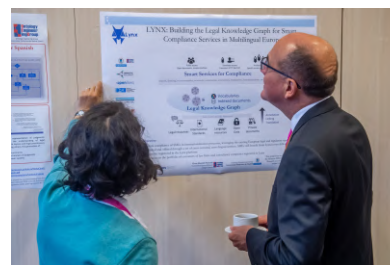
- Global LT, NLP and AI market (including data and data spaces) – let's make Europe a key player!
- European LT community is highly fragmented – let's connect and share resources and continue to build a world-class community with global impact!
- Digital language equality – let's enable all Europeans to participate in the digital space *in their own language*!
- Cross-cultural & cross-lingual communication – let's enable European conversations and debates across language borders!
- Democratic online discourse free of organised disinformation campaigns and hatespeech – let's apply our technologies where they matter and where they can make a difference!
- Digital sovereignty – let's develop and deploy Language Technologies *for* Europe built *in* Europe.



# Virtual Project Expo

**Today, 12:30-13:30 – Tomorrow 12:00-13:00**

- A total of 26 projects present themselves, all of them EU-funded
- Including the 15 ELG pilot projects
- Everybody is invited to join the expo/project booths
- All participating teams have prepared a video and profile
- <https://www.european-language-grid.eu/meta-forum-2022/project-expo/>



# Housekeeping



META-FORUM 2022:

Joining the European Language Grid  
Together towards Digital Language Equality

- **Zoom Webinar**

- Participants cannot use their cameras or microphones
- Only “panelists” are visible and audible

- **Questions and Answers**

- For questions, please use the “Q&A” section (*please don’t use the chat window*)
- In “Q&A”, you can ask questions, look at questions already responded to and upvote questions from others that you’re interested in with the 👍 icon

- **Chat**

- Please use the chat for comments or information you’d like to share.
- Here you will also find organisational tips and hints.

- **Twitter:**

- When tweeting about META-FORUM 2022, please use **#metaforum2022**

09:00-10:30 **Session 1: Opening – European Language Grid**

10:30-10:45 *Coffee Break*

11:00-11:45 **Session 2: ELG Platform**

11:45-12:30 **Session 3: Selected ELG Tools, Services and Resources**

12:30-13:30 *Lunch Break + Video Expo*

13:30-14:45 **Session 4: Language-centric AI Panel**

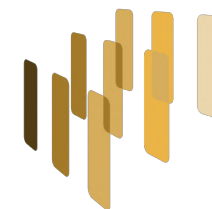
14:45-15:15 *Coffee Break*

15:15-16:15 **Session 5: Industry Session**

16:15-16:45 **Session 6: The Future of ELG**

16:45-17:00 **Closing Session**

17:00-18:00 *Reception*



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Detailed Programme at <https://www.european-language-grid.eu/meta-forum-2022>

Live stream with automated subtitling in 42 languages at <https://elitr.eu/events/meta-forum-2022/>

09:00-10:30 **Session 7: Opening – European Language Equality**

10:30-11:00 *Coffee Break*

11:00-12:00 **Session 8: Technology Support of Europe's Languages in 2022**

12:00-13:00 ***Lunch Break + Video Expo***

13:00-14:00 **Session 9: Demands, Needs, Gaps of the Europ. LT Community**

14:00-15:00 **Session 10: LT Vision for 2030**

15:00-15:15 *Coffee Break*

15:15-15:45 **Session 11: Continuation of ELE**

15:45-16:00 **Closing Session**

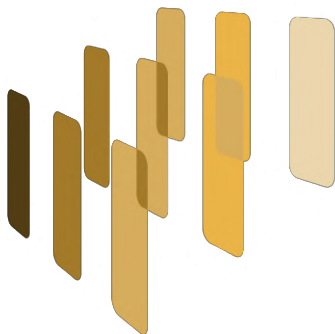


META-FORUM 2022:

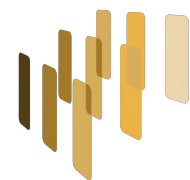
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European Language Grid  
European Language Equality



**EUROPEAN  
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**Thank you and enjoy the conference!**



The European Language Grid has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement № 825627 (ELG).

The European Language Equality project has received funding from the European Union under grant agreement № LC-01641480 – 101018166 (ELE),

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<http://www.european-language-grid.eu> – <http://european-language-equality.eu>