



Inside Digital Europe

My Europe, My Language

Philippe Gelin

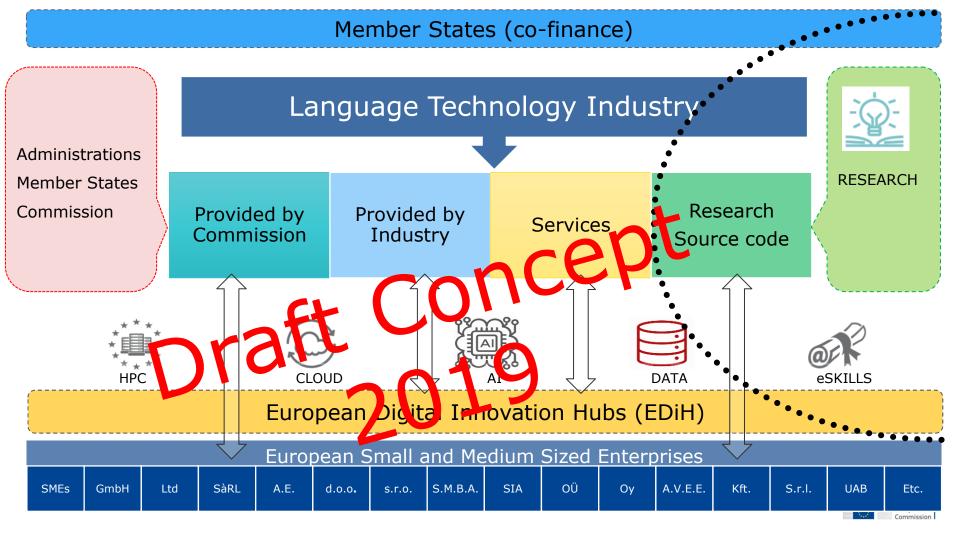
Head of Sector Multilingualism

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To prepare the future...



A major development since the 4th ELRC conference in Helsinki on 26 November 2019 has been the opening up of eTranslation to European SMEs



- **Currently 8764 SMEs are registered**
 - 962 have registered since January 2021
- The promotion campaign also increased the number of Public Administrations registered.
 - 2187 new registrations since January 2021 bringing the total of PAs to 9635



- **Expanding and improving coverage:**
 - 24 official European languages
 - Icelandic and Norwegian (Bokmål)
 - Russian, simplified Chinese, Japanese
 - Arabic has now joined the supported languages



eTranslation and other LT tools:

- Named Entity Recognition (NER) for English and German
- Speech Recognition



LANGUAGE TECHNOLOGIES & MULTILINGUALISM

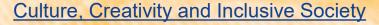




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R&I priorities + DATA & Infrastructure to support R&I



Safeguarding endangered languages in Europe

Digital, Industry and Space

- Strengthening Europe's data analytics capacity
- Open search and discovery
- Leadership in AI based on trust
- eXtended Reality modeling

Capacity Building

- Cloud-to-edge
- Data spaces support centre
- Al on demand platform
- Al Testing and Experimentation Facilities

Accelerating Best Use of Tech

- Digital Innovation Hubs
- **EDGES Common Services Platform**









MULTILINGUALISM





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Safeguarding endangered languages in Europe

Why: Most European languages are at risk of digital extinction

How: Collecting endangered language resources and tools

Impact: Digital Humanities and Language Technologies

Where?

Culture, Creativity and Inclusive Society

Cultural Heritage







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Strengthening Europe's data analytics capacity

Why: increase data analytics capacity

How: Integrate relevant technologies including language technologies

Impact: Provide better tools and solutions for searching and processing large amount including multilingual data

Where?

World Leading Data and Computing Technologies

Strengthening Europe's data analytics capacity







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Trustworthy open search and discovery

Why: Empowered citizens and companies to search and discover information with increased accuracy, diversity and transparency

How: Research in methods of search and discovery combining technologies for natural language processing and semantic analysis.

Where?

A Human-Centred and Ethical Development of Digital and Industrial Technologies



An Internet of Trust







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AI for human empowerment

Why: increase mixed human-AI initatives for human empowerment

Impact: Improved perception, visualisation, interaction and collaboration between human and AI sstems.

Where?

A Human-Centred and Ethical Development of Digital and Industrial Technologies

Leadership in AI based on Trust







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Strengthening Europe's data analytics capacity

Why: increase data analytics capacity

How: Provide better tools and solutions for searching and processing large amount including multilingual data

How: Integrate relevant technologies including language technologies

Where?

World Leading Data and Computing Technologies

Strengthening Europe's data analytics capacity







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eXtended Reality Modelling

Why: increase Natural Language
Understanding and interaction
capacity

How: Create large-scale interaction models

Impact: Increase level of interaction

Where?

A Human-Centred and Ethical Development of Digital and Industrial Technologies

eXtended Reality



LANGUAGE TECHNOLOGIES & MULTILINGUALISM



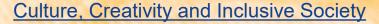




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DIGITAL work programme 21-22 (* 810 E

- **Cloud to edge**
- **Data Spaces**
- AI
- Quantum
- **Digital skills**
- Trust
- **Green Deal**
- **Blockchain**
- **Digital Innovation Hubs**





DIGITAL work programme 21-22 , sio E

Green Deal

Blockchain

Digital Innovation Hubs

Quantum Quantum Digital skills

Trust







Cloud-To-Edge infrastructure & Services

 Online Catalogue of existing cloud-to-edge based service offering including language technology services. Where?

Cloud, Data and AI

Cloud-to-edge Infrastructure and services







Data Spaces Support Centre

 Identify the essential common building blocks including natural language processing technologies Where?

Cloud, Data and AI

Data for EU







AI on demand platform

 Provide a central access point to all Al-resources needed for users industries or public sector Where?

Cloud, Data and AI

Artificial Intelligence







AI Testing and experimentation Facilities

 Supporting manufacturer needs in term of natural language processing Where?

Cloud, Data and AI

Artificial Intelligence







Common Services Platform

- Continuation (extension) of the CEF eTranslation Building Block
- Language technologies will also be provided through a platform that matches demand with supply from the private sector.

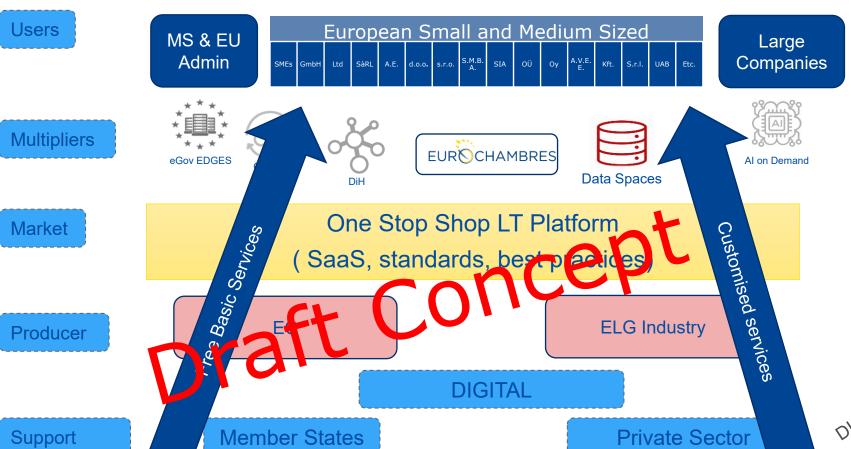
Where?

Accelerating best use of technologies

Deployment of Public Services

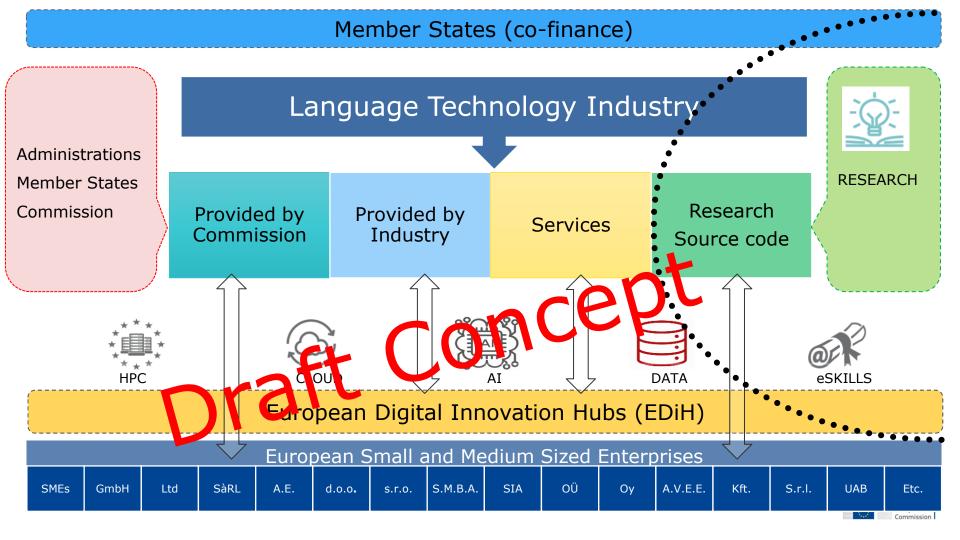


DEPLOYMENT

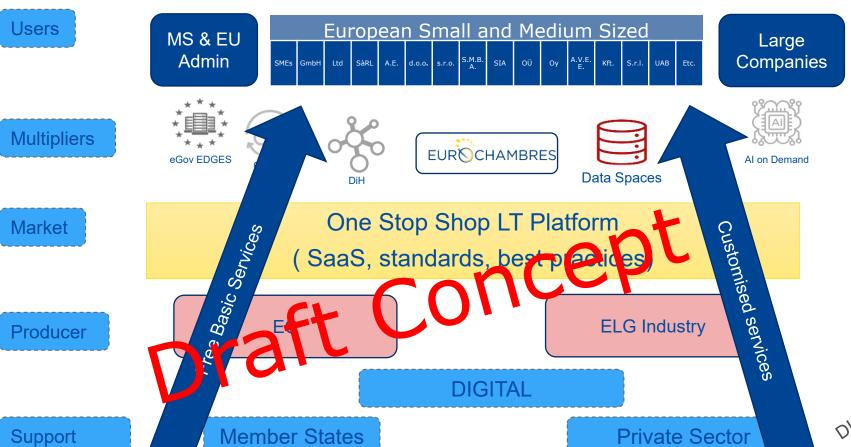


DIGITAL





DEPLOYMENT



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