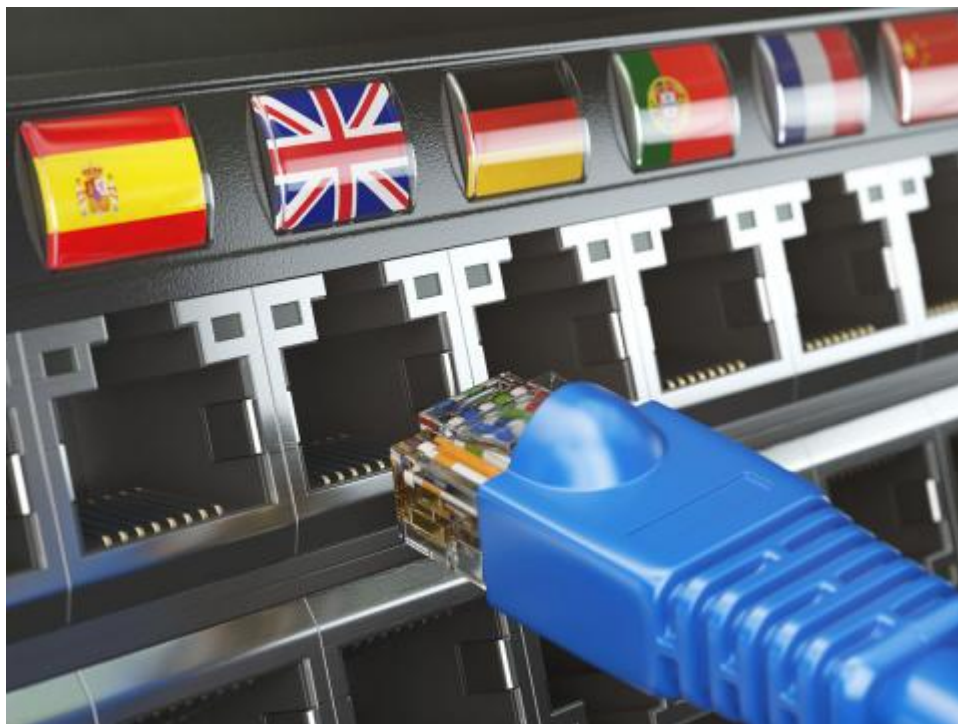


## Language technologies

The Commission aims to bring various language technologies together to learn from the data involved.



© iStock by Getty Images - 880939888 Bet\_Noire

How can we bring online content to everyone, no matter where they are from and what language they speak? The obvious answer is through language technologies: teaching computers how to understand and process written and spoken human language.

The online world remains fragmented by language barriers, despite the European Single Market should allow for free circulation of goods and services.

These barriers hinder online commerce, social communication and exchange of cultural content, as well as the wider deployment of pan-European public services.

Machine translation solutions available on the market usually don't reach the required levels of quality or they only exist for a limited number of languages, text types or topics. And, customising engines is difficult due to high cost, lack of the necessary language resources and not universally applicable tools and techniques.

Addressing the online language barriers requires action on various levels:

- Horizon 2020, in particular challenge ICT 17, addresses mostly research and innovation
- Connecting Europe Facility (CEF) addresses the additional challenge of creating a complete infrastructure for language resources and processing tools.

Interaction between the two programmes is close – Horizon 2020 will support and complement CEF by detecting and addressing gaps in machine translation coverage and quality, in real use situations.

The results will be robust, well-integrated and topically adapted machine translation, terminology processing, and other automated language processing facilities.

Follow the latest progress and learn more about getting involved.

•

Follow the Commission's work on tech and digital @DigitalEU

## **Related Content**

### **Big Picture**

Artificial intelligence

The EU aims to build trustworthy artificial intelligence that puts people first.

### **Dig deeper**

Language Technologies & Multilingualism

The EU supports research, innovation and deployment of language technologies to break down language barriers while preserving and promoting multilingualism.

## See Also

Robotics

The EU actively promotes research, job creation and innovation through better and safer robots, while safeguarding ethical aspects of the progress achieved.

Strategy for artificial intelligence

The European Commission has developed a strategy for artificial intelligence that puts European values at its centre.

A European approach to Artificial intelligence

The EU's approach to artificial intelligence centres on excellence and trust, aiming to boost research and industrial capacity and ensure fundamental rights.

## Other

# Digital inclusion

Digital inclusion is an EU-wide effort to ensure that everybody can contribute to and benefit from...

# Data

Data is everywhere and growing at an unprecedented pace. We are defining today a European approach...

---

**Source URL:** <https://digital-strategy.ec.europa.eu/policies/language-technologies>