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# Connecting public services across Europe: ambition and results so far

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**DG CNECT**  
Directorate-General for Communications Networks,  
Content and Technology

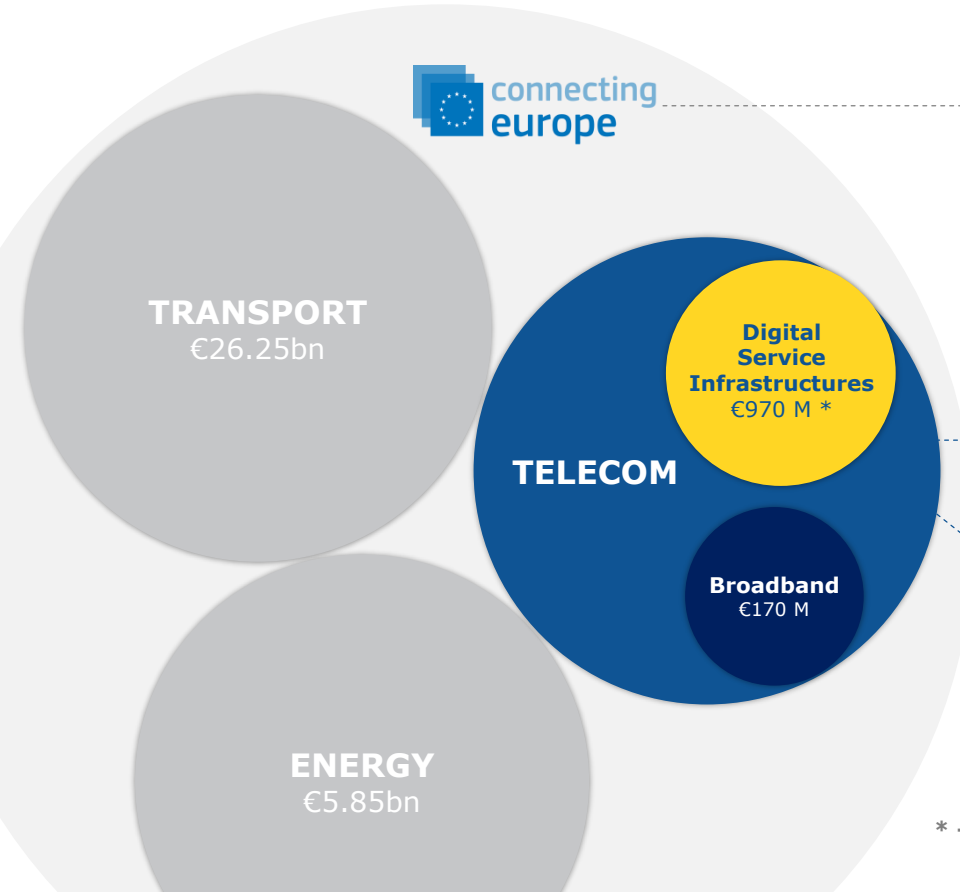
Introduction to Connecting Europe Facility

CEF Automated Translation as a building block

CEF Automated Translation uptake

Multilingualism in the next Multiannual Financial Framework

# The Connecting Europe Facility – funding programme 2014 -2020



## CEF Regulation

The Connecting Europe Facility (CEF) is a regulation that defines how the Commission can finance support for the establishment of trans-European networks to reinforce an interconnected Europe.

## CEF Telecom Guidelines

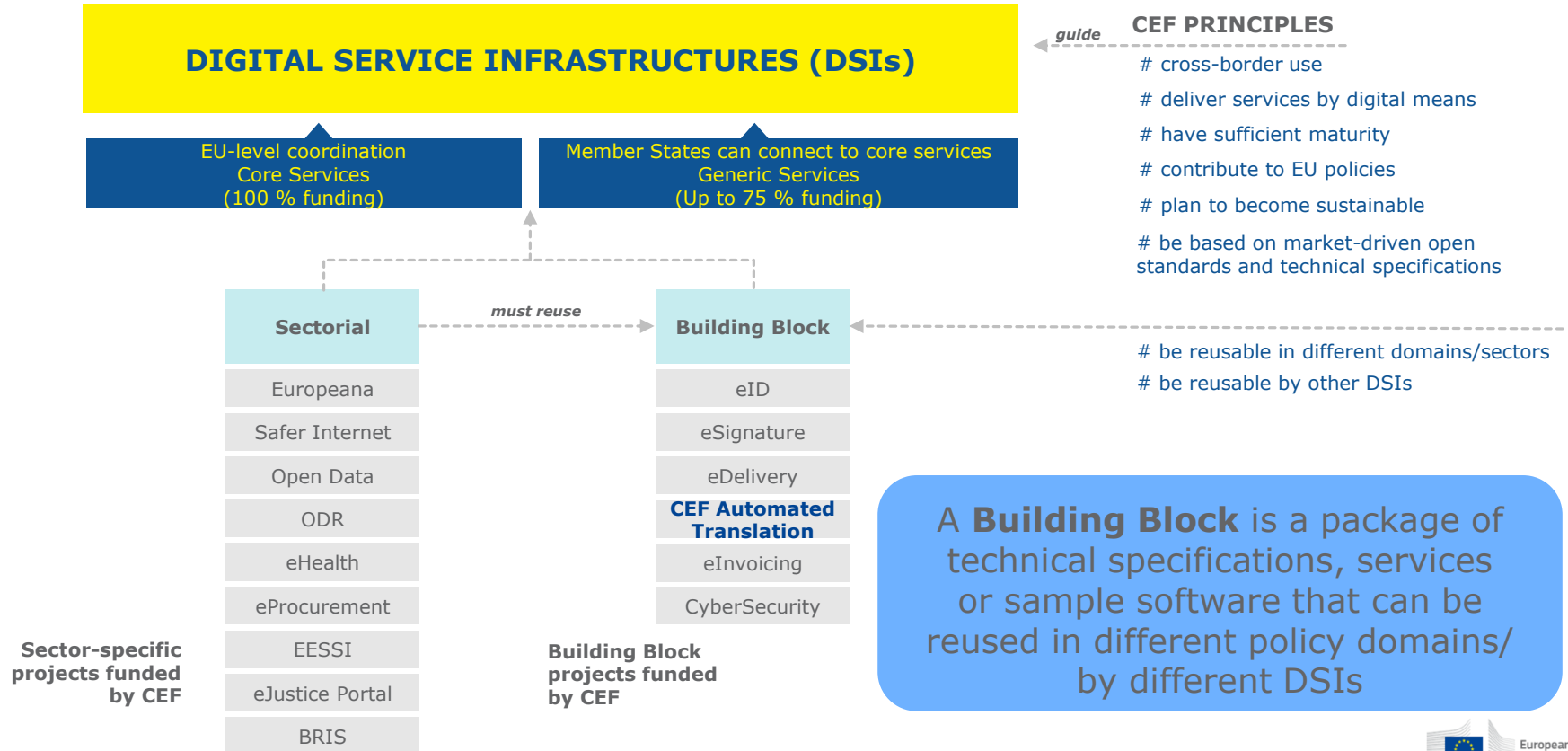
The CEF Telecom guidelines cover the specific objectives and priorities as well as eligibility criteria for funding of broadband networks and Digital Service Infrastructures (DSIs).

## CEF Work Programmes

Translates the CEF Telecom Guidelines in general objectives and actions planned on a yearly basis.

\* - 100 M Juncker Package

# What are the fundamental characteristics of a CEF DSI?



# CEF Automated Translation: A multilingualism enabler for public online services



**CEF Automated  
Translation**

eTranslation  
ELRC share



## **BRIS**

Citizens and business partners need legal certainty when doing business cross-border



## **ODR**

Citizens need to solve disputes online across borders



## **eHealth**

Citizens need to have online access to their patient summary when abroad



## **EESSI**

Citizens need to get to enjoy their social security seamlessly and online when abroad



It also includes

**e-Justice**

**Open Data**

**eProcurement**

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# CEF Automated Translation building block today

## eTranslation service

[https://ec.europa.eu/info/resources-partners/machine-translation-public-administrations-etranlation\\_en](https://ec.europa.eu/info/resources-partners/machine-translation-public-administrations-etranlation_en)

- a central **machine translation service** run by Directorate-General for Translation (DGT)
- machine translation between 24 official EU languages, Icelandic and Norwegian (Bokmål)
- a machine translation service for public administrations and public online services in various domains/sectors
- available via a **web-user interface** and an **API**
- intended for the following types of users:
  - **online service providers** in European and national public administrations
  - **translators** in EU institutions and in national public administrations
  - **non-translating staff** in EU institutions and in national public administrations

## ELRC-SHARE repository

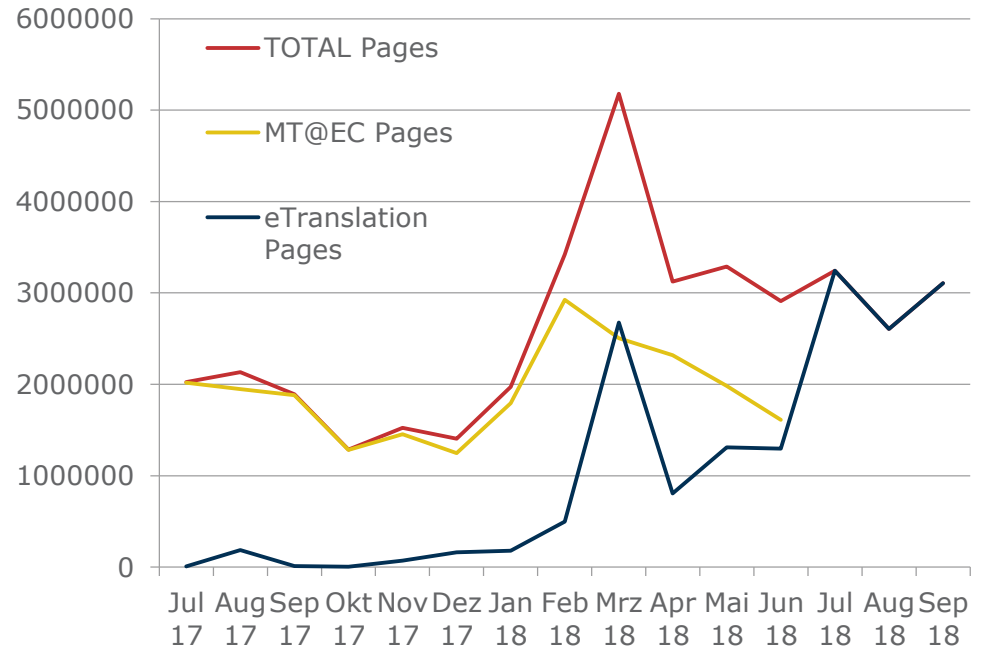
<https://elrc-share.eu/>:

- repository of language resources needed to develop multilingual systems and services
- language resource sharing infrastructure
- part of the broad Europe-wide effort on **European Language Resource Coordination**

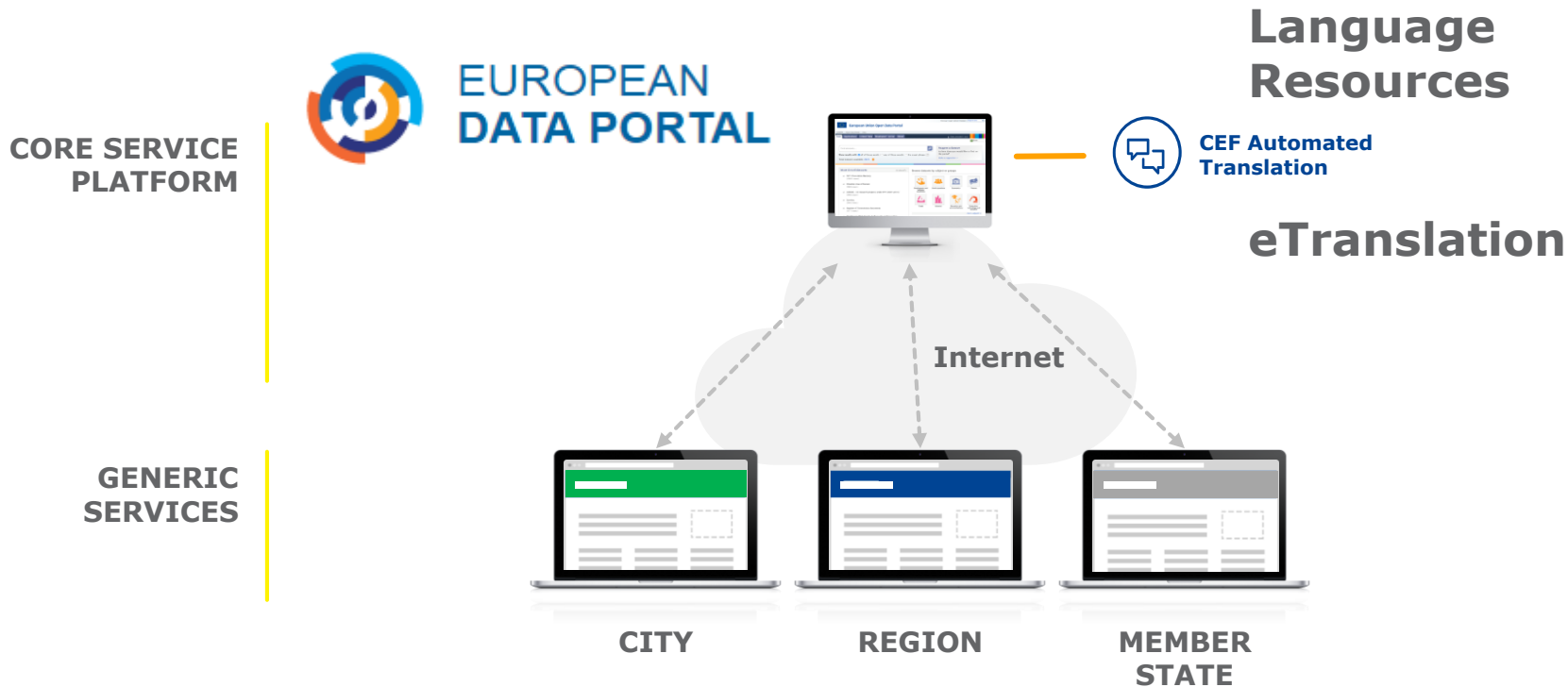
[www.lr-coordination.eu](http://www.lr-coordination.eu)

# CEF Automated Translation highlights 2018

- **Fully Neural** based Machine Translation (24 into EN and vice-versa)
- **Secured**
- “Public Health” **domain specific engines**
- Translation usage:
  - 19 Mio pages in 2017
  - 29 Mio pages Q1-Q3 2018
- 51 Web service clients connected: including 10 DSIs or INEA grants.
- **Language Resources**
  - 465 available on 10/18  
(225 in 4/17; 392 in 4/18; 441 in 9/18)
- LR Workshops 2018 still to go: Helsinki, Sofia, Bucharest, Budapest, Oslo, Praha, Riga, Nicosia, Zagreb
- **Now available to all CEF member states public services**






# Open Data reuses eTranslation





# Reuse of building blocks within the CEF Programme (CEF DSIs core platforms)

Sector Specific DSIs		eDelivery	eSignature	eID	eTranslation	eInvoicing
Europeana	DG CONNECT					
Safer internet	DG CONNECT					
Public open data	DG CONNECT					
ODR	DG JUST					
eHealth	DG SANTE					
eProcurement	DG GROW					
EESSI	DG EMPL					
EU e-Justice portal	DG JUST					
BRIS (ECP)	DG JUST					
Cybersecurity	DG CONNECT					
eTranslation	DGT					
eInvoicing	DG GROW					

 Commitment to analyse  
 Commitment to reuse  
 Reusing

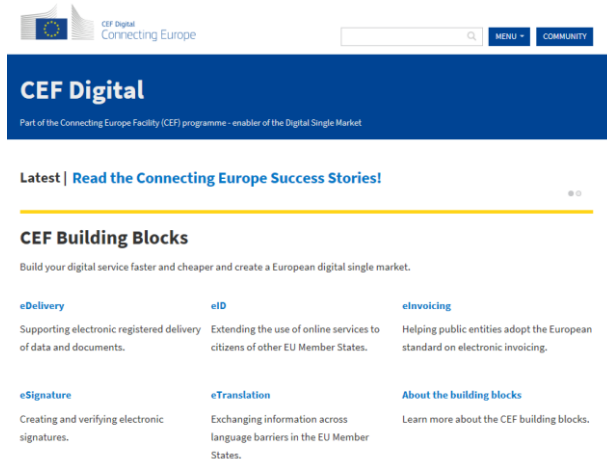
**VISIT:**  
<https://ec.europa.eu/cefdigital/wiki/display/CEFDIGITAL/Reuse+++CEF>

# To learn more about CEF's Digital Service Infrastructures (DSIs)

## DIGITAL SERVICE INFRASTRUCTURES (DSIs)

Services provided by the  
**EUROPEAN COMMISSION**

<https://ec.europa.eu/cefdigital/>



The screenshot shows the CEF Digital website homepage. At the top, there is a navigation bar with the European Commission logo, the text 'CEF Digital Connecting Europe', a search bar, and links for 'MENU' and 'COMMUNITY'. Below the navigation bar, the main heading reads 'CEF Digital' with the subtext 'Part of the Connecting Europe Facility (CEF) programme - enabler of the Digital Single Market'. A section titled 'Latest | Read the Connecting Europe Success Stories!' is followed by a horizontal line. Below this, the 'CEF Building Blocks' section is introduced with the text 'Build your digital service faster and cheaper and create a European digital single market.' Three columns of building blocks are listed: 'eDelivery' (Supporting electronic registered delivery of data and documents), 'eID' (Extending the use of online services to citizens of other EU Member States), and 'eInvoicing' (Helping public entities adopt the European standard on electronic invoicing). A fourth column, 'About the building blocks', is also present. At the bottom, three more building blocks are listed: 'eSignature' (Creating and verifying electronic signatures), 'eTranslation' (Exchanging information across language barriers in the EU Member States), and 'About the building blocks' (Learn more about the CEF building blocks).

Funding available to the  
**MEMBER STATES**

<https://ec.europa.eu/inea/en/connecting-europe-facility/cef-telecom/apply-funding>



The screenshot shows the INEA website page for the 2017 CEF Telecom Call. At the top, there is a navigation bar with the European Commission logo, the text 'INNOVATION AND NETWORKS EXECUTIVE AGENCY', a search bar, and links for 'Legal notice | Search on Europa | Cookies | Contact on Europa | English (en)'. Below the navigation bar, the main heading reads '2017 CEF Telecom Call - eTranslation (CEF-TC-2017-3)'. The text below the heading states: 'The 2017-3 CEF Telecom eTranslation makes an indicative €6 million of funding available for proposals in this area. For any specific questions concerning the call, please check the call FAQ or contact the call Helpdesk until 14 November. The CEF Telecom 2017-3 call virtual Info Day will take place on 12 September 2017. 2017 CEF Telecom Calls'. Below this, there is a table titled 'Indicative Call Timeline' with the following data:

Indicative Call Timeline	
Call opening	28 June 2017
Deadline for submission	28 November 2017 - February 2018
Evaluation of proposals	December 2017 - February 2018
Consultation of the CEF Committee	March 2018
Information to the European Parliament	March 2018
Adoption of the Selection Decisions	April 2018
Adoption of individual grant agreements	by end of August 2018

Below the table, there is a section titled 'Work Programme' with the text 'EN 2017 CEF Telecom Work Programme' and a link 'Available here'.

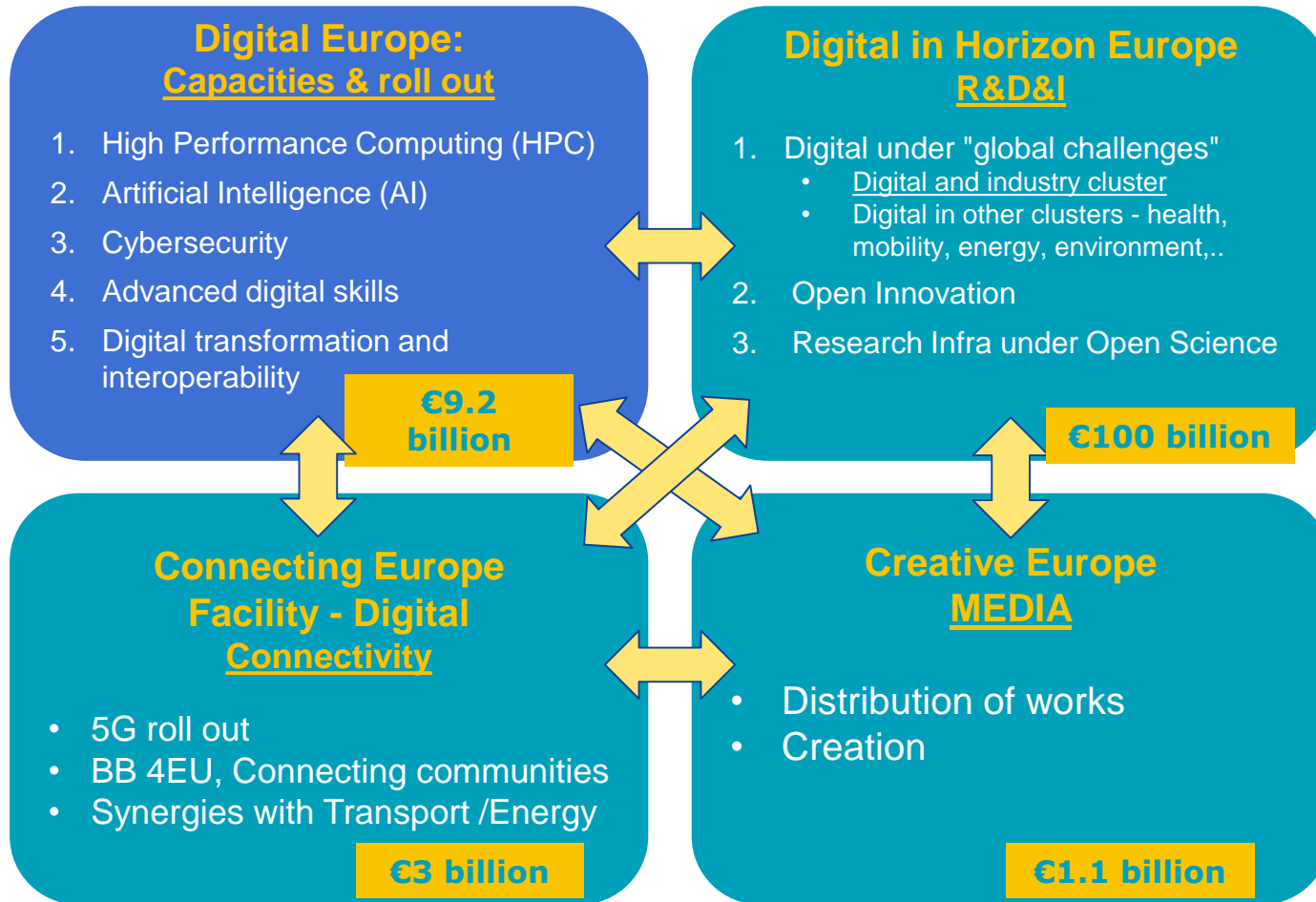
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# CEF eTranslation - how can you get involved?

- Try using **eTranslation web interface!**
- **Integrate eTranslation API** in your online public service
- Share with us your requirements and needs!
  - contact: [CEF-AT@ec.europa.eu](mailto:CEF-AT@ec.europa.eu)
  - eTranslation Service Desk: [help@cefat-tools-services.eu](mailto:help@cefat-tools-services.eu)
- Help us improve the service by **providing data**: [www.lr-coordination.eu](http://www.lr-coordination.eu)!
- Engage in **collaborative projects** (co-funded by EC at 75% of eligible costs):
  - "resources projects" on stimulating language resource provision to eTranslation
  - "integration projects" on the integration of eTranslation into (multilingual, cross-border) digital services
    - More information: <https://ec.europa.eu/inea/en/connecting-europe-facility/cef-telecom/apply-funding/2018-automated-translation>
    - CEF WP 2018: [http://ec.europa.eu/newsroom/dae/document.cfm?doc\\_id=49705](http://ec.europa.eu/newsroom/dae/document.cfm?doc_id=49705)

# Multilingualism in the next Multiannual Financial Framework

# DIGITAL IN THE NEXT MFF: OVERVIEW



# MULTILINGUALISM IN NEXT MFF



in Horizon Europe



in Digital Europe Programme

State of the art technology

R&I priorities; data; infrastructure to support R&I

## R&I

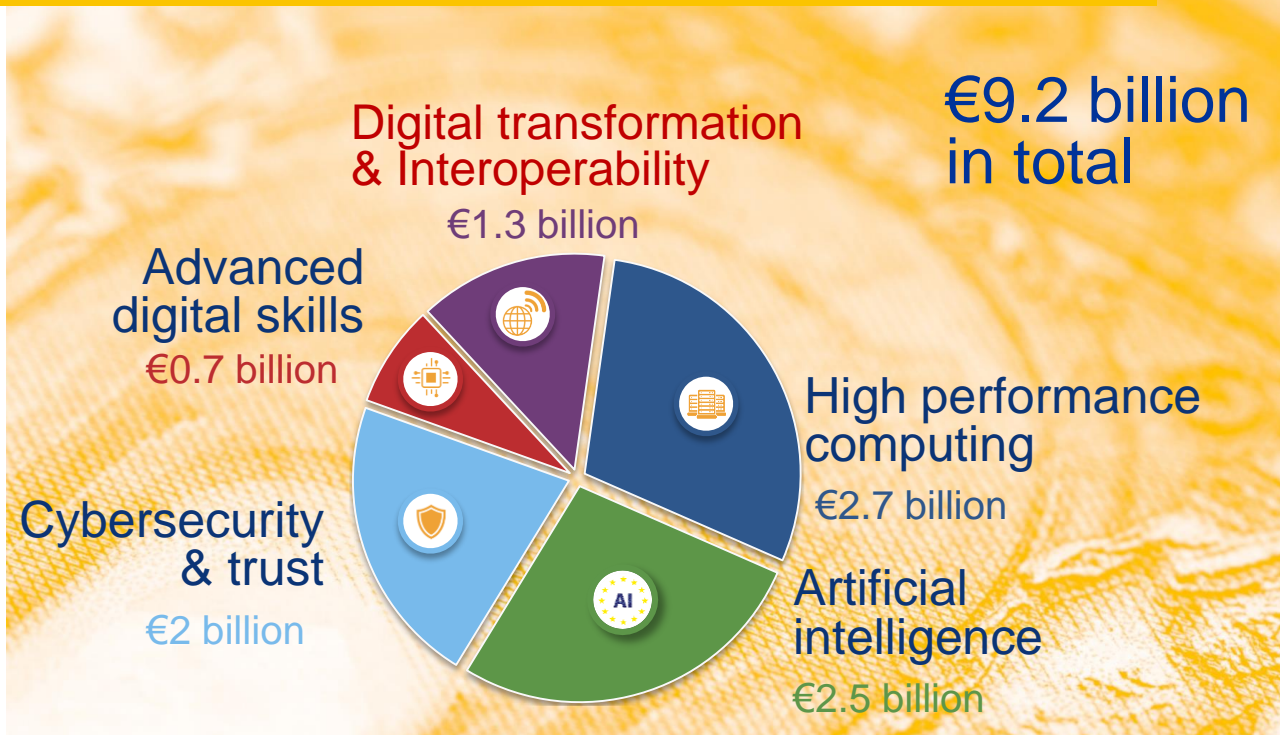
- *Support research to achieve digital language transparency*
- *Support Language Preservation*

## CAPACITY & DEPLOYMENT

- *Support deployment of Language Technologies*
- *Modernise public administrations and areas of public interest*

# Digital Europe programme

*Reinforcing digital capacities. Ensuring their best use.*



#EUBudget  
#DigitalEurope

# MULTILINGUALISM IN NEXT MFF



## in Digital Europe Programme

### ***Support deployment of Language Technologies***

*Why: Increase EU competitiveness in a key technology*

*How: Provide language data and tools to public and private sector; foster collaboration*

*Impact: Public and private sector, including SMEs*

***Where?***

***Artificial Intelligence***

***European data spaces,  
European libraries of algorithms***



# MULTILINGUALISM IN NEXT MFF



## in Digital Europe Programme

***Support the modernisation of public administrations and areas of public interest***

*Why: offer EU citizen access to information in any language*

*How: Provide languages technology enablers*

*Impact: Public administrations, areas of public interest, SMEs.*

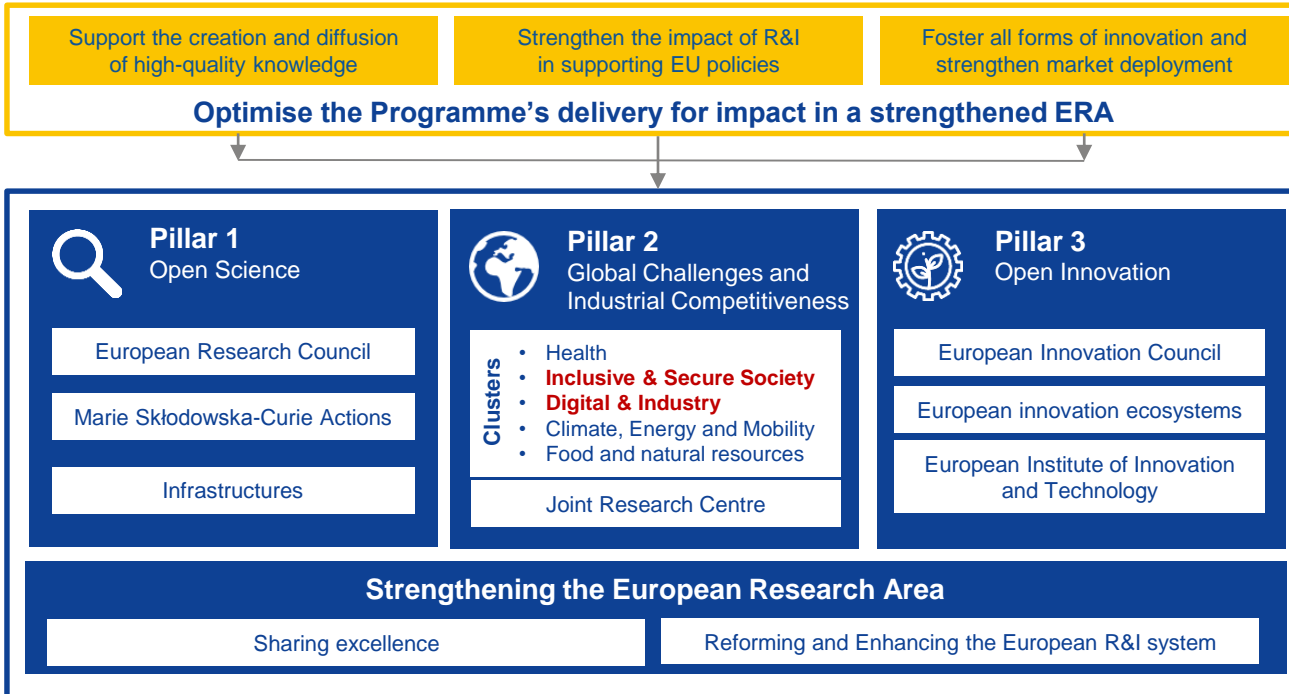
***Where ?***

***Deployment, best use of digital capacities and Interoperability***

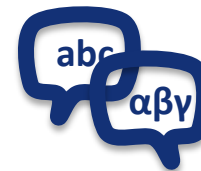
***Modernisation of administrations***

# Horizon Europe

## Specific objectives of the Programme



# MULTILINGUALISM IN NEXT MFF



**in Horizon Europe  
Digital & Industry**

***Support research to achieve  
digital language transparency***

***Why: EU competitiveness and  
independence to external  
technology providers***

***How: Innovate in Language  
Technologies***

***Impact: keep EU Researchers  
Lower barriers in DSM***

***Where ?***

***Next Generation Internet  
Human-centric***



***Human-centric Internet applications***

# MULTILINGUALISM IN NEXT MFF



**in Horizon Europe  
Inclusive & Secure Society**

## **Support Language Preservation**

*Why: Most European languages  
are at risk of digital extinction*

*How: Collect language resources*

*Impact: Digital Humanities and  
Language Technologies*

**Where ?**

**Cultural Heritage**