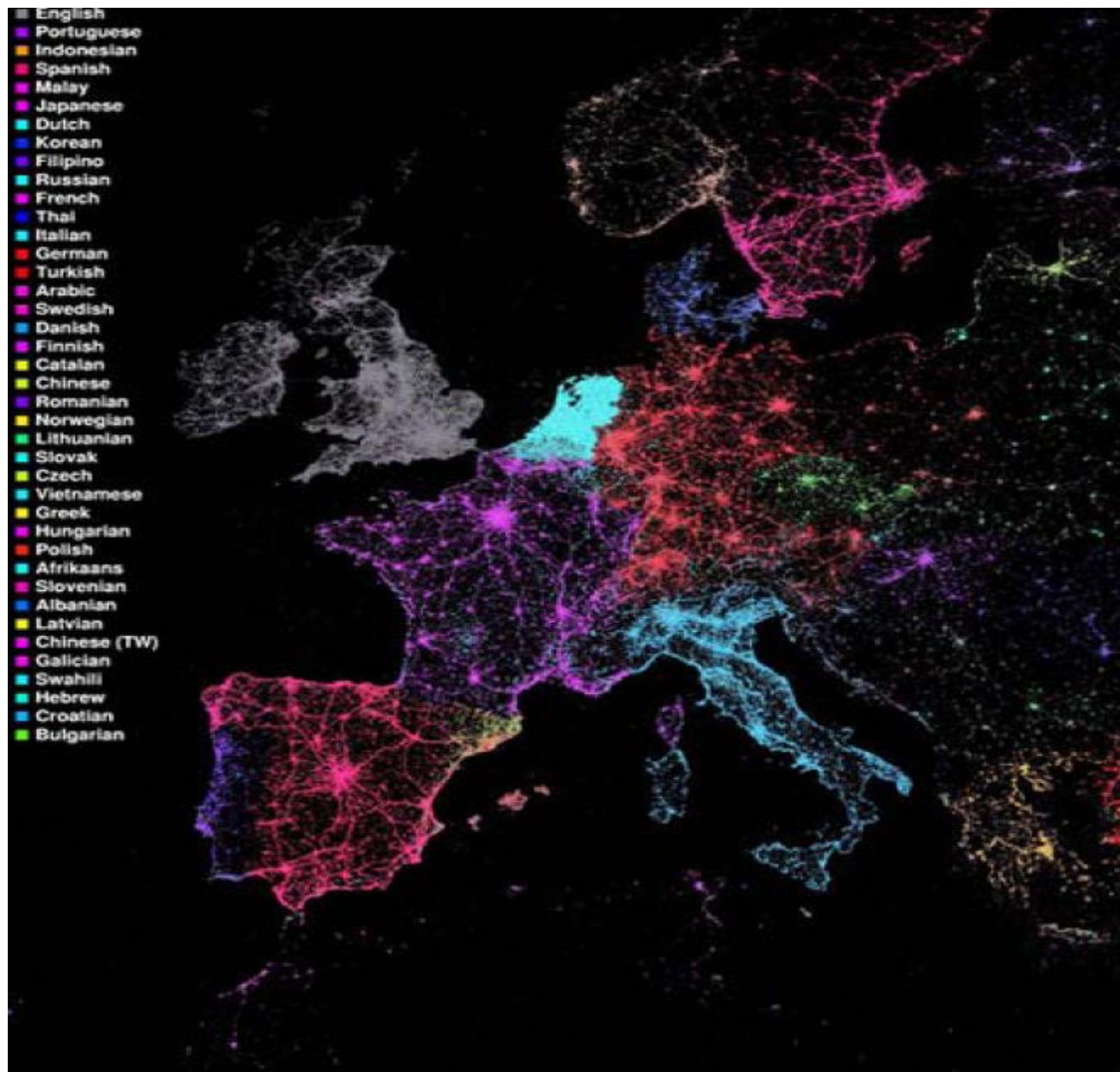


European Language Resource Coordination (ELRC)

Stelios Piperidis
Athena RC/ILSP

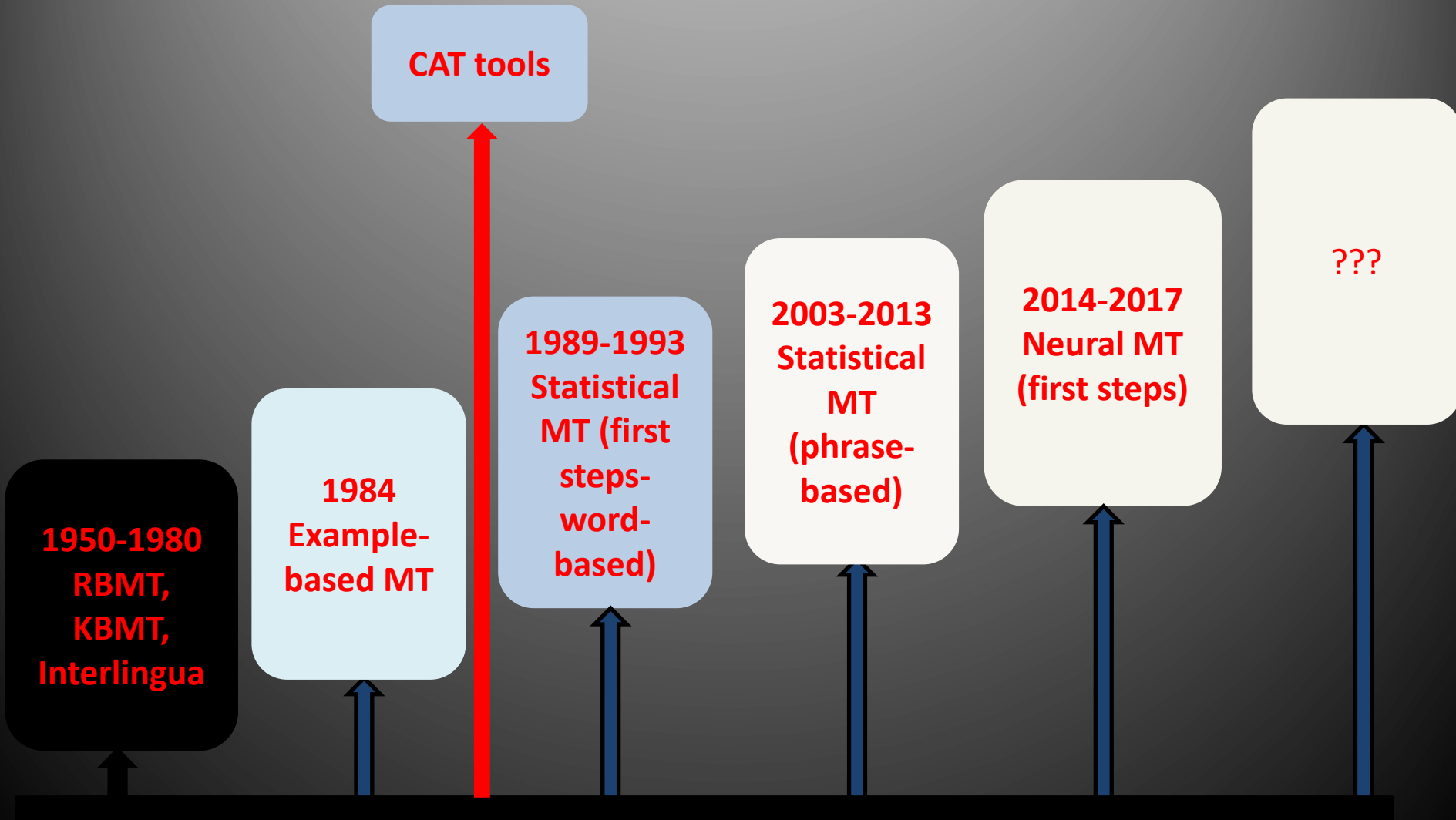




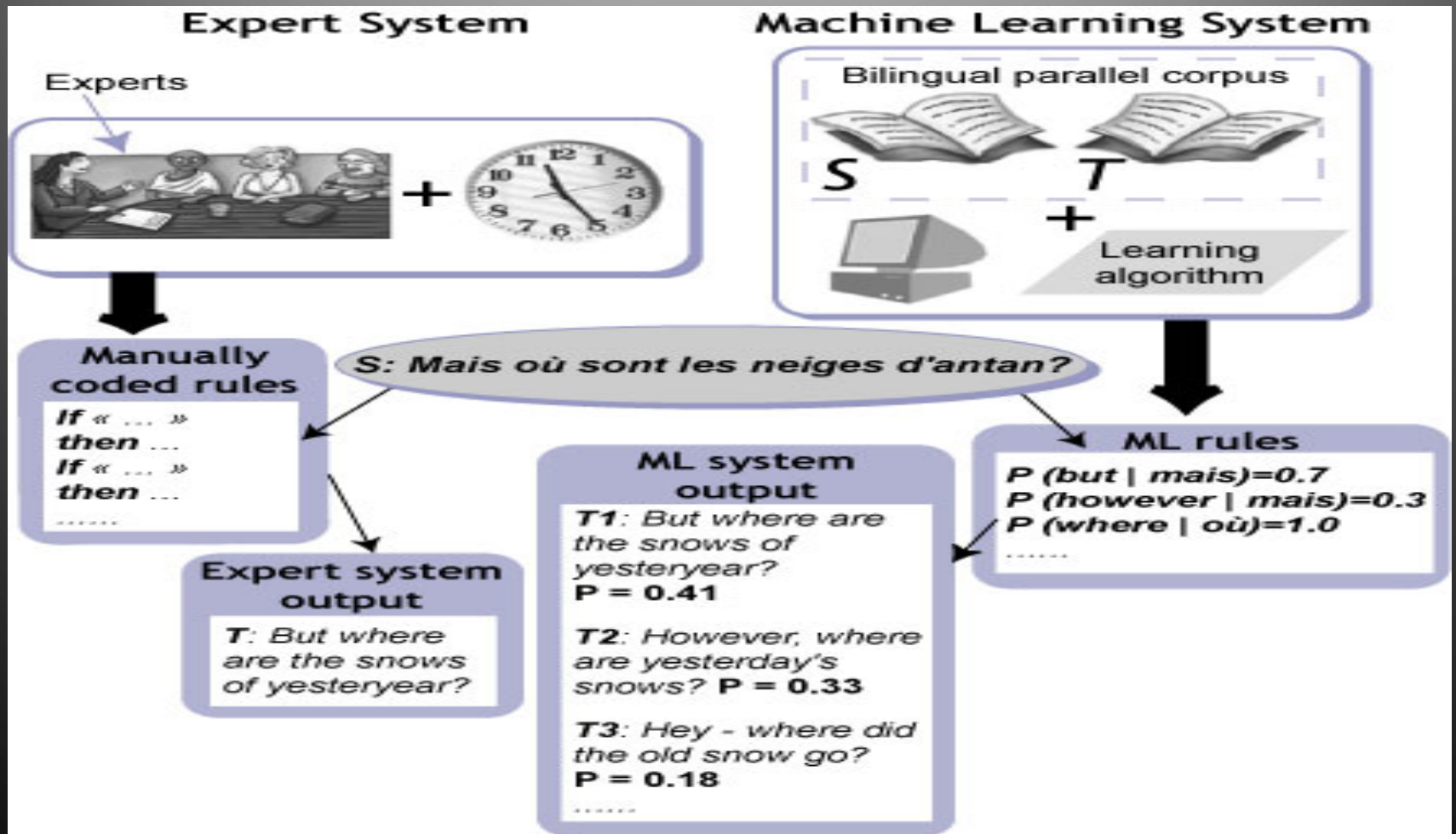
- Nobody speaks all languages
- Make sure languages do not create silos or invisible borders
- Restricting mobility of people, information, ideas, commerce
- No language discrimination but equal opportunities
- Languages as an asset, not a problem

- How?
 - Translation!
 - Extremely skilled profession
-
- A lot to translate ... in fact much too much
 - Technology support
 - Human translation supported by technology = Automated Translation (AT)

Machine Translation Evolution



Methodological evolution



Rationalism Vs Empiricism

Rationalism vs. Empiricism

Rationalism

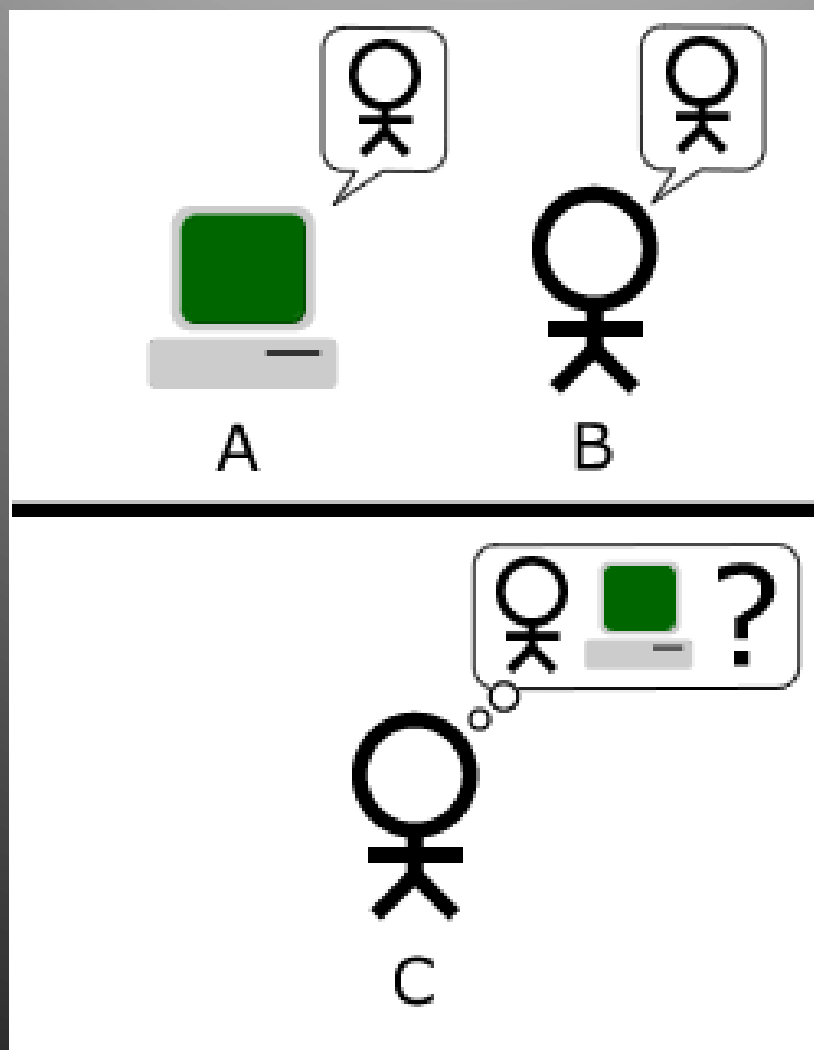
1. Emphasizes on *theory*
2. Assumes an “*innate language faculty*”
3. Aims at discovering the *language of the human mind* (linguistic competence)
4. Assigns *categories* to language units
5. Major advocates: Chomsky, Minsky

Empiricism

1. Emphasizes on *data*
2. Assumes all knowledge gathered only via *senses*
3. Aims at analysing *language as it actually occurs* (linguistic performance)
4. Assigns *probabilities* to language units
5. Major advocates: Shannon, Norvig



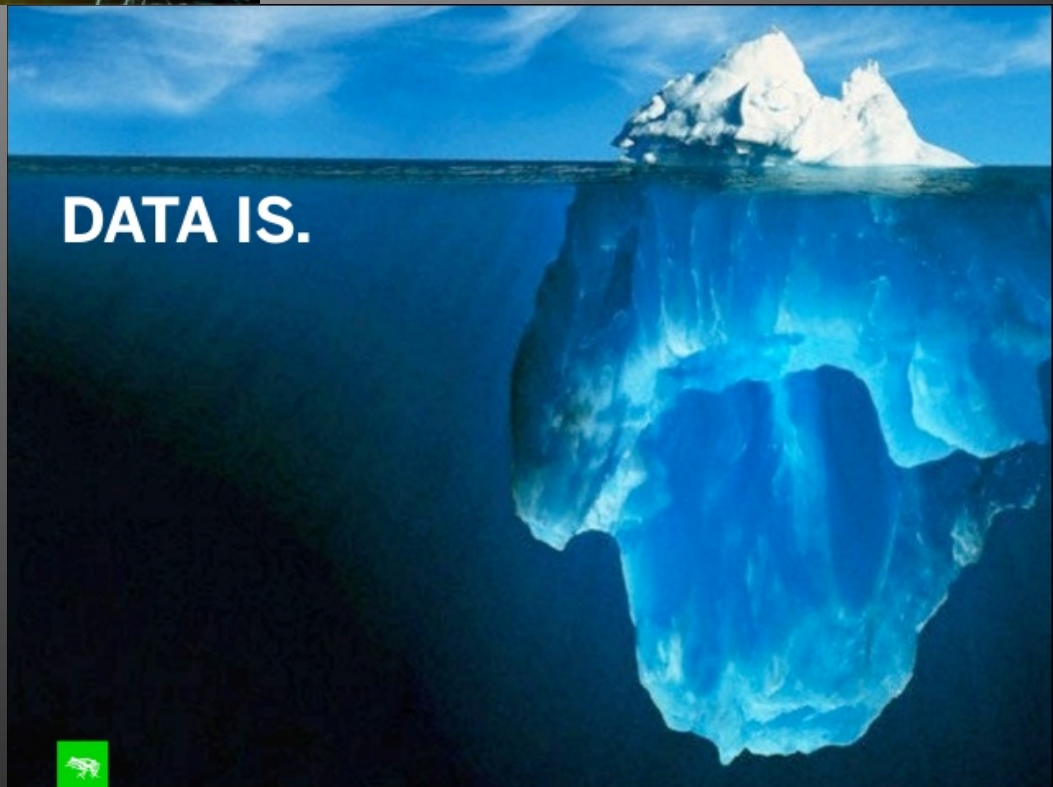
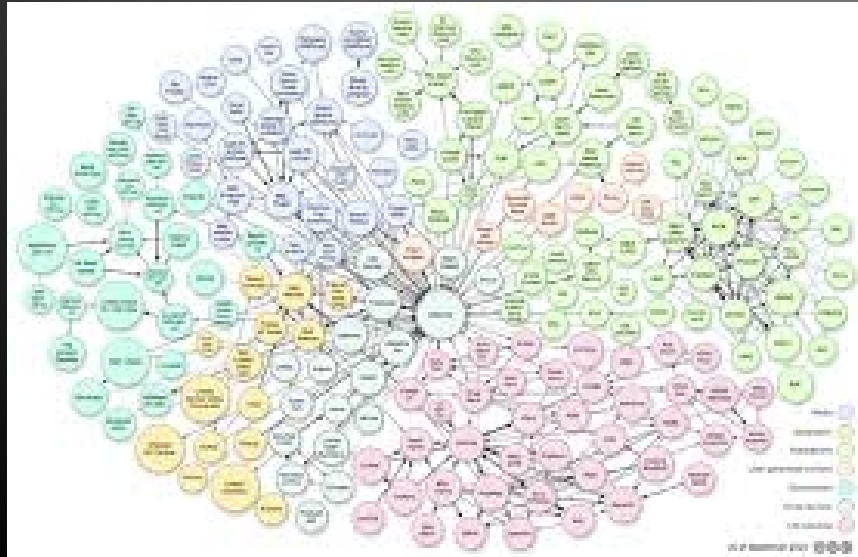
The Turing Test

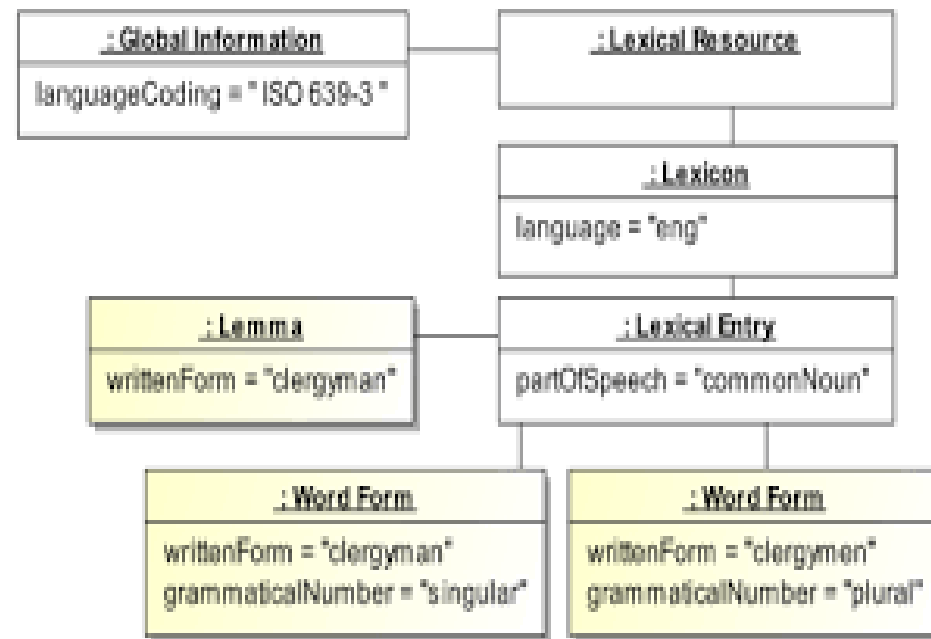
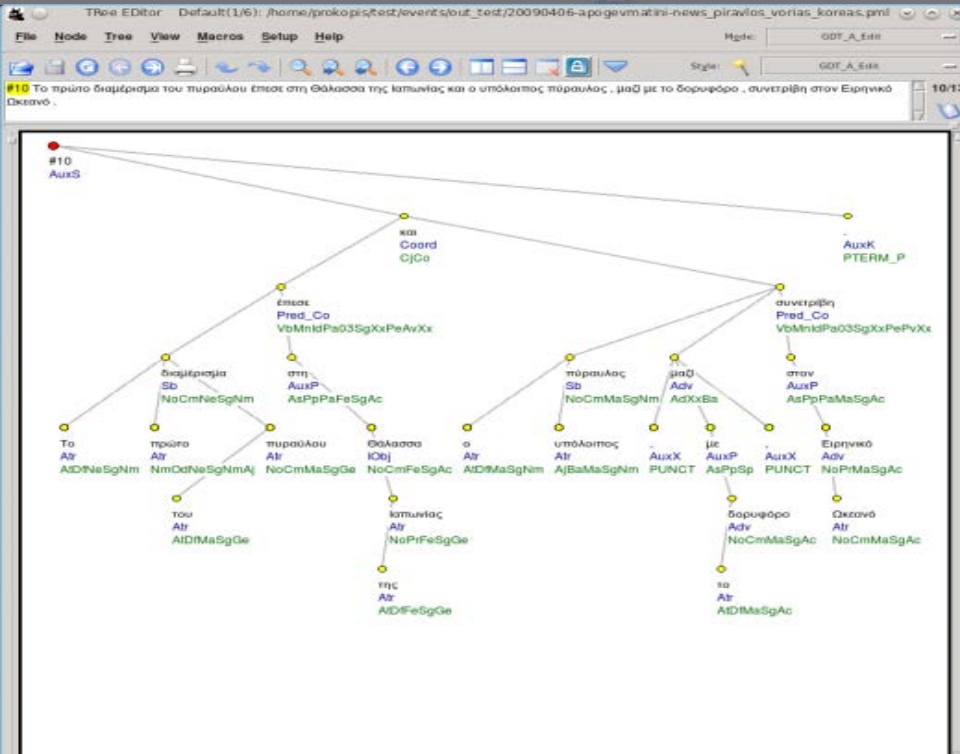


- Modern MT is all about **data**
- Learns to translate from **human translations = data**
- To best support your needs MT **needs the best data**
- **Your data = the best data for MT for you**
- Without the right data it won't work!

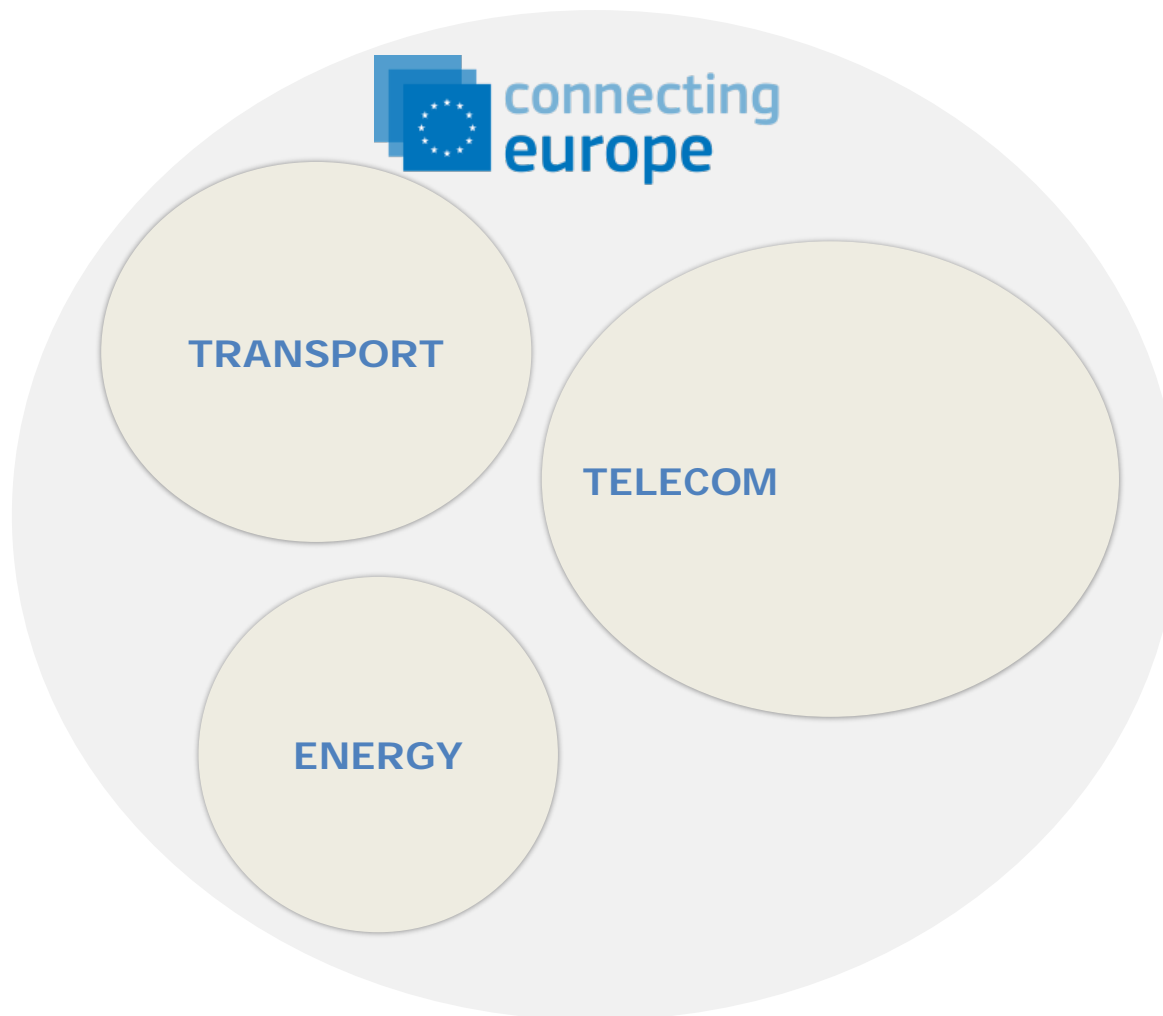
DATA is
Everything

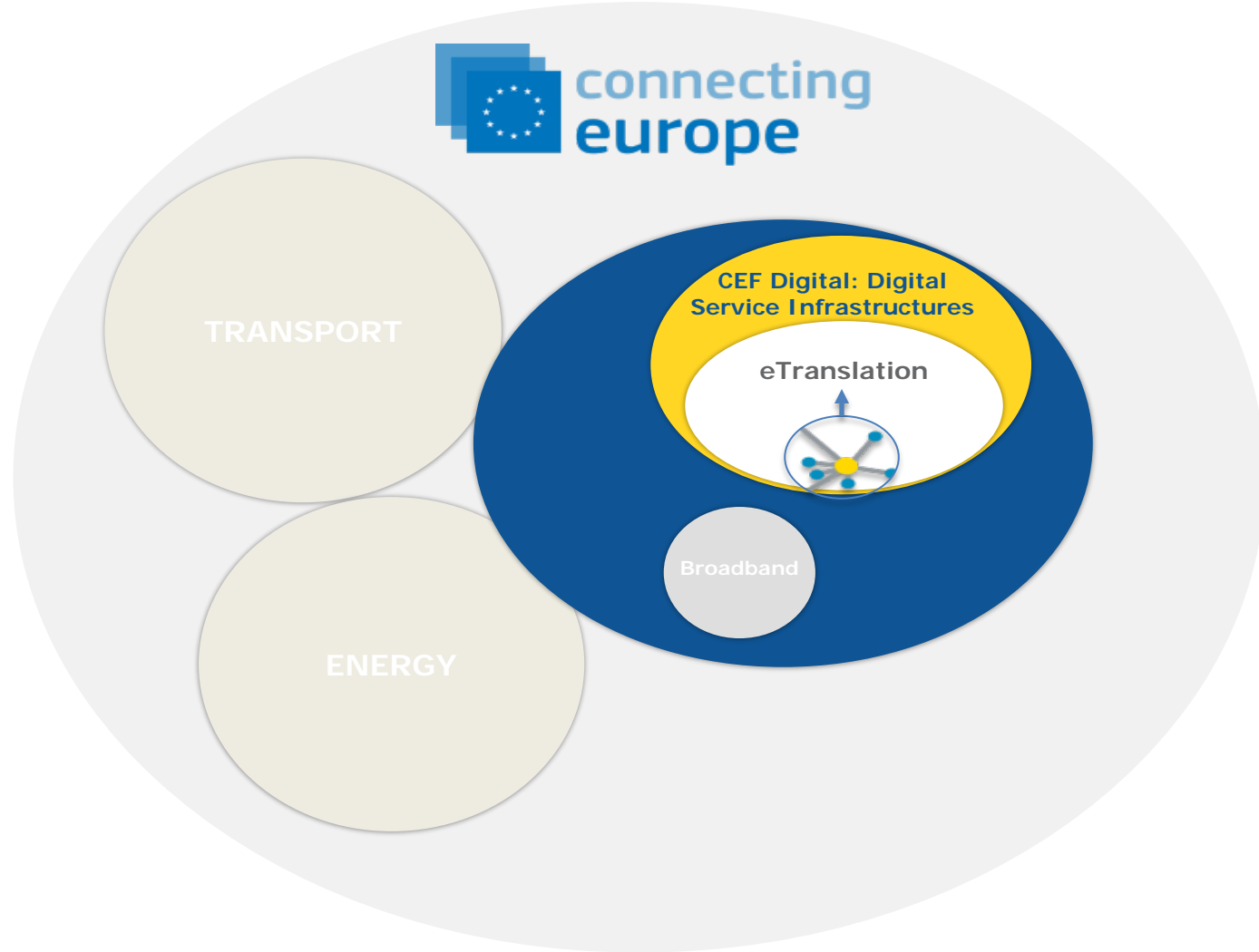
DATA IS.





The ELRC initiative

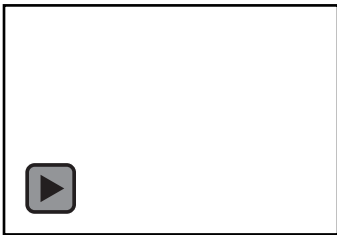




Heads & organisations behind the ELRC



- The ELRC Consortium:



Heads & organisations behind the ELRC



- ⚓ 30 ELRC Technological
National Anchor Points
- ⚓ 30 ELRC Public Services
National Anchor Points

What does ELRC do?



Collect

- Language resources

Identify

- Needs of public services

Engage

- With the public sector in the identification of LR

Help

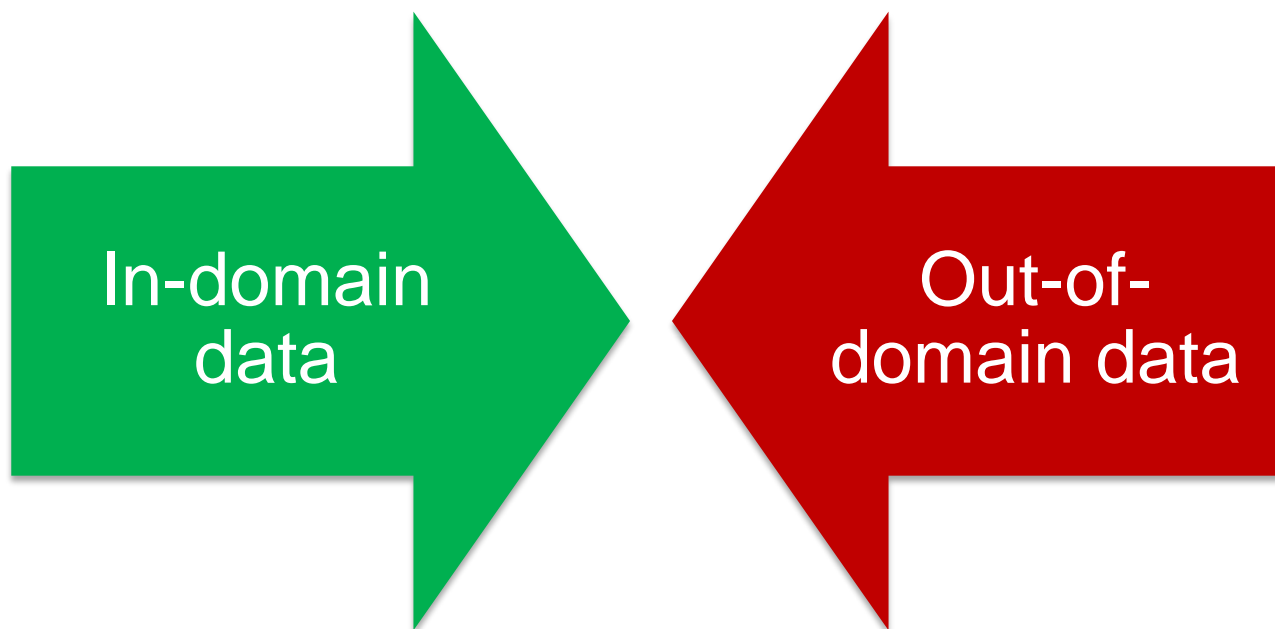
- With any technical or legal issues

Act

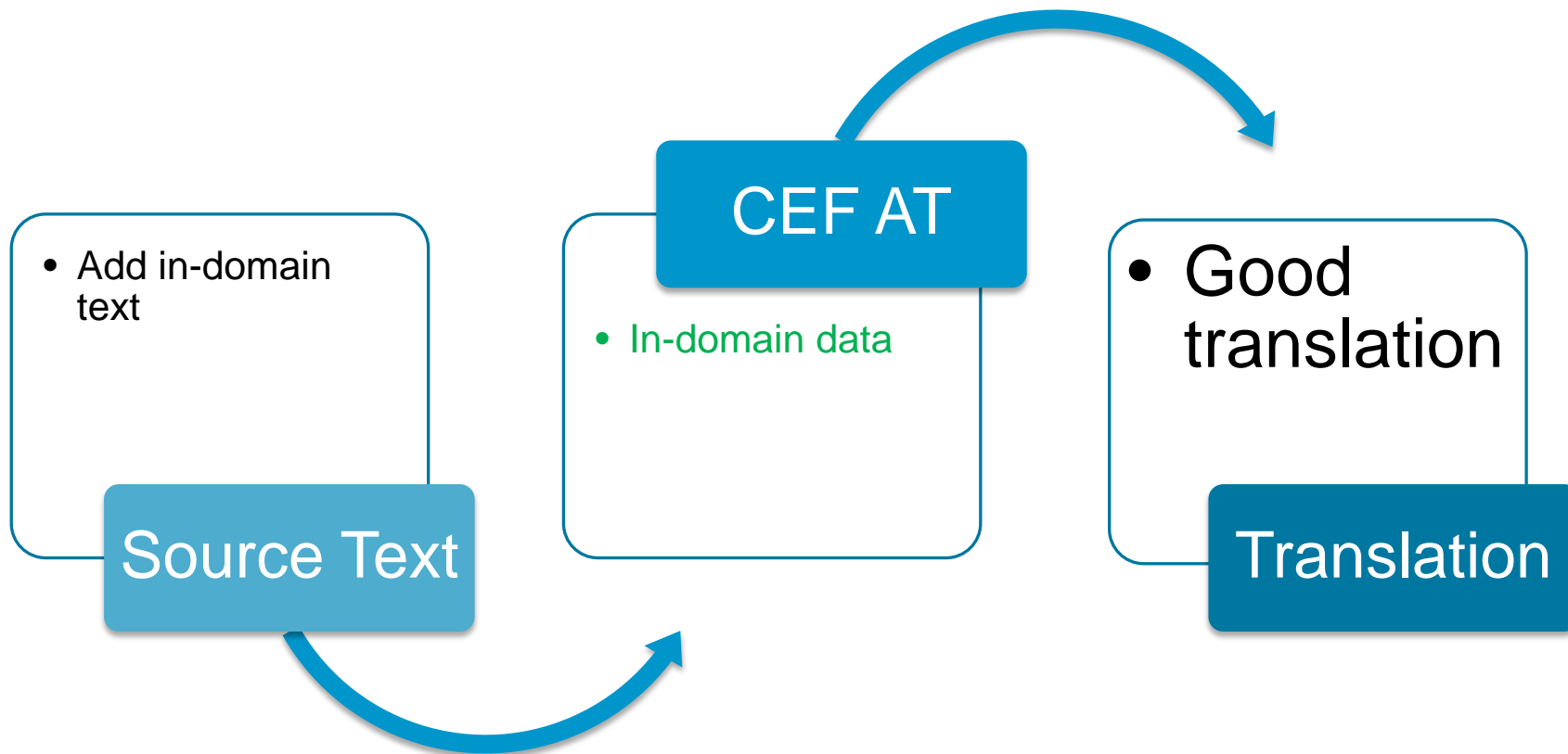
- Observatory for language resources across Europe

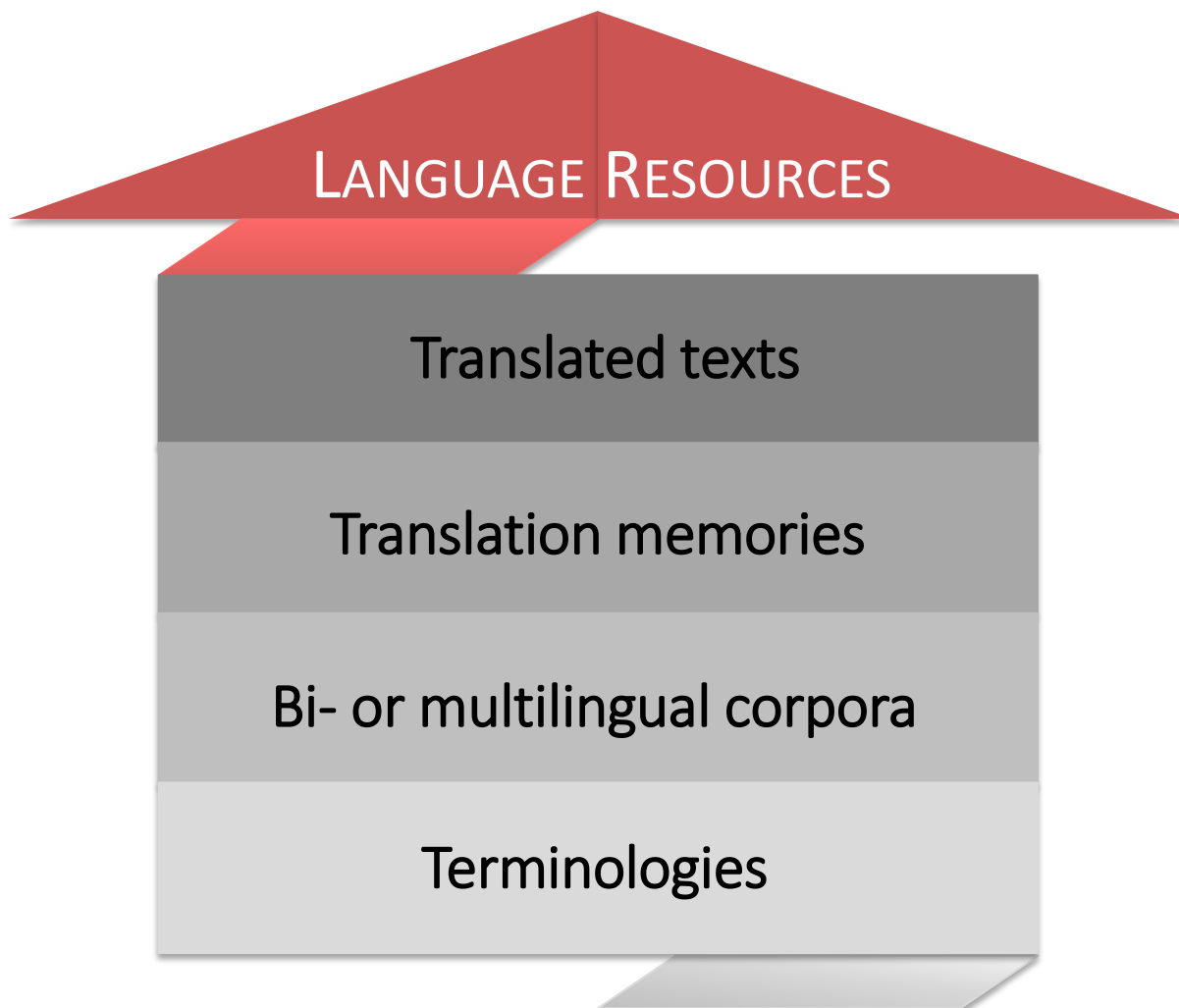
- To facilitate multilingual communication and exchange of information in key public service scenarios
- How? With the right language resources!
- Examples of public services scenarios to which eTranslation may be applied:
 - Consumer Rights (ODR),
 - Social Security (EESSI),
 - Justice (eJustice),
 - Commerce (BRIS),
 - Open Data (EDP),
 - ...

How to make it work...?



→ language resources of the public sector make a difference!





What has been achieved so far...?



**Collection of 225
language resources
overall**

**More than 2 billion
words in all EU official
languages, Norwegian
and Icelandic**

**More than 91 language
resources to be used by
you!**

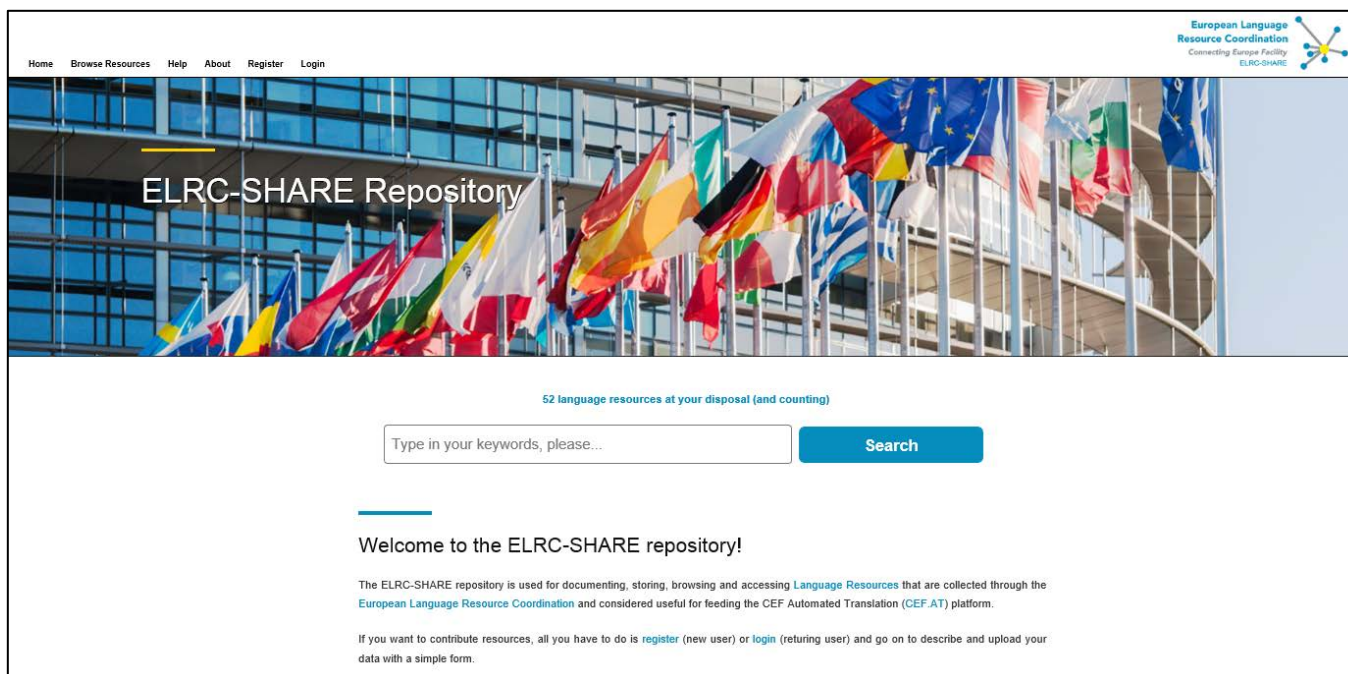
Over 450.000 terms

**More than 2 million
translation units**

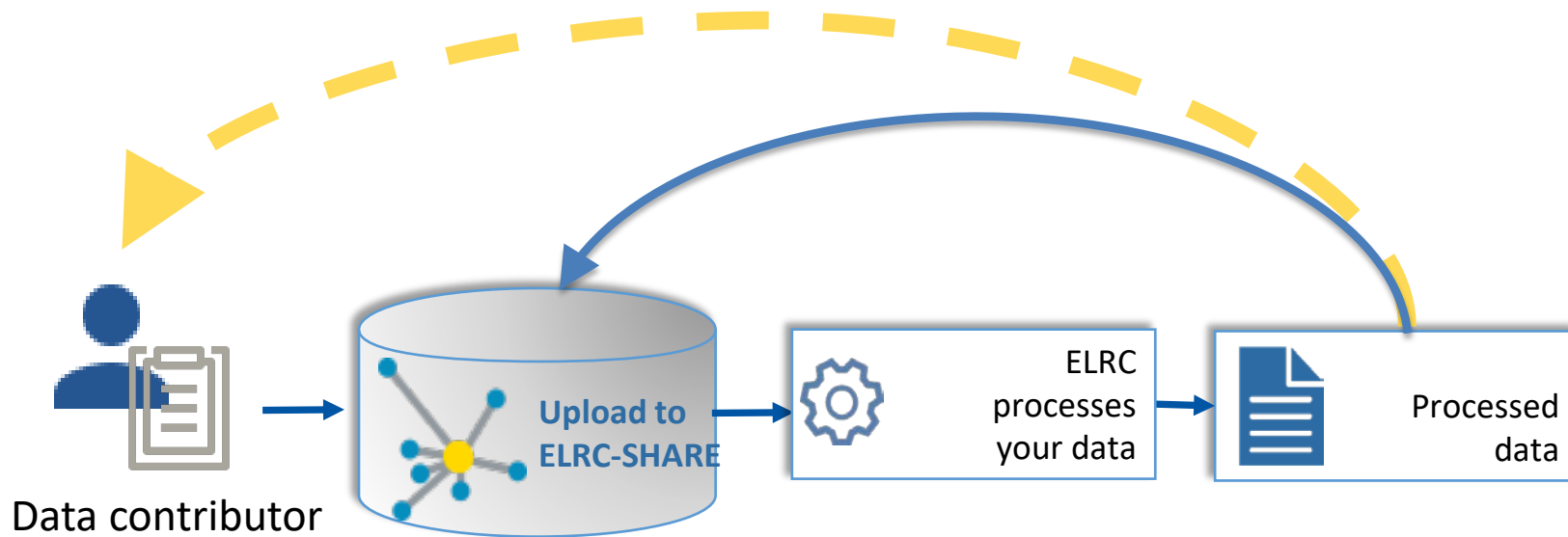
- Public Sector Information (PSI) Directive 2013/37/EU
 - Amending Directive 2003/98/EC
 - Emphasis on open data
 - Clear cost rules
 - Including Cultural Institutions (Museums, Libraries and Archives) within the scope of the Directive
 - Introduce a clear regime for exclusive agreements
 - Emphasis on standard and machine readable licences

- **The ELRC-SHARE Repository**

- Access to, sharing and contribution of language resources
- Access to tools and services catalogue (upcoming)
- Visit <https://elrc-share.eu>



What happens to your data?



- All datasets are processed to result in tmx/tbx/txt files
- Data will indicatively undergo the following processing:
 - cleaning
 - format conversion
 - sentence alignment
 - metadata completion

- **ELRC Technical and Legal Helpdesk**
 - Continuous support for potential data donors (phone, email, ...)
 - Accessible online via <http://www.lr-coordination.eu/helpdesk>

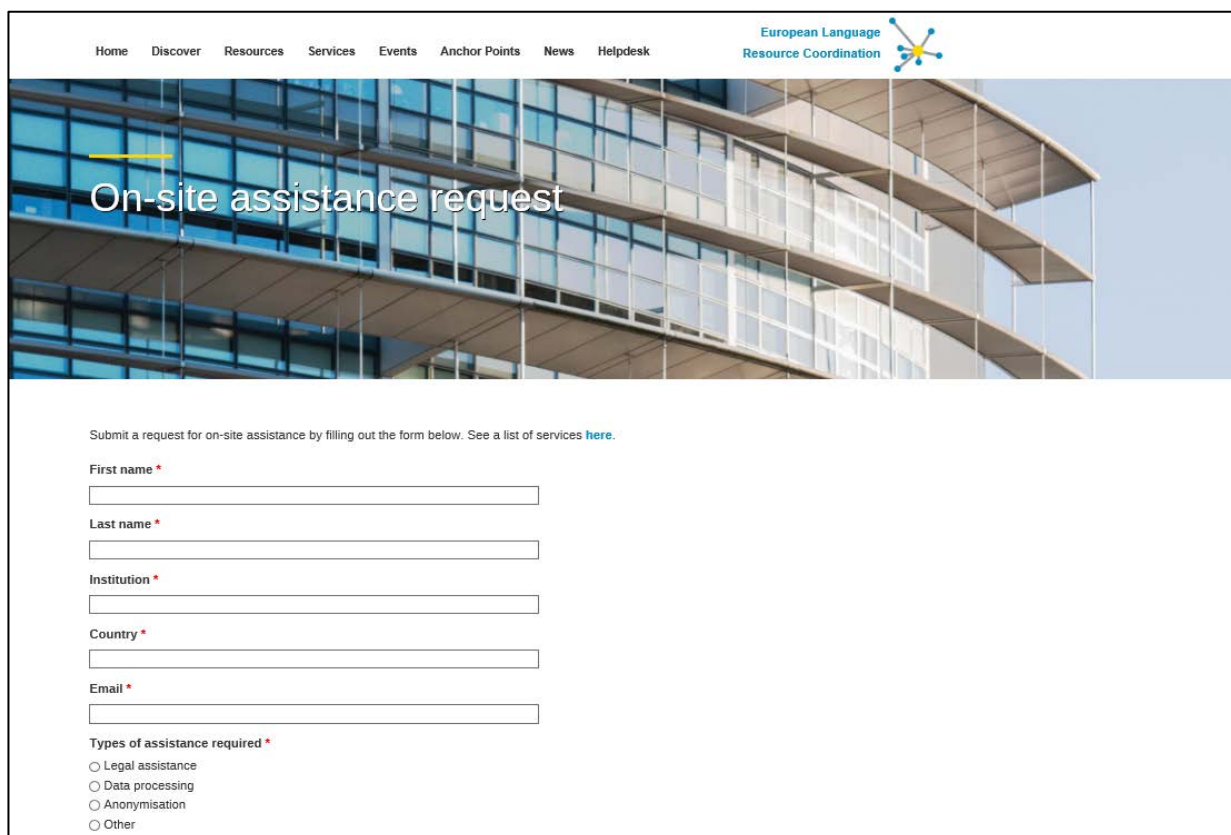


The screenshot shows the website for the ELRC Helpdesk for Language Resources. The header includes a navigation menu with links: Home, Discover, Resources, Services, Events, Anchor Points, News, and Helpdesk. The main heading is "Helpdesk for Language Resources". Below this, a paragraph states: "We are happy to answer any questions on the technical or legal aspects related to the use, production, collection, processing, and sharing of language resources." It then says: "Please feel free to contact us through one of the following channels:". A table lists the contact channels:

Telephone*	+33 970 440 522
Secretariat Support	+49 681 857 7552 85
Skype	ELRC Helpdesk
E-mail	help@lr-coordination.eu

- **ELRC On-site assistance**

- Submit request online at <http://www.lr-coordination.eu/services>



The screenshot shows the 'On-site assistance request' form on the ELRC website. The header includes navigation links: Home, Discover, Resources, Services, Events, Anchor Points, News, and Helpdesk. The main heading is 'On-site assistance request'. Below the heading, there is a instruction: 'Submit a request for on-site assistance by filling out the form below. See a list of services [here](#).' The form fields are: First name *, Last name *, Institution *, Country *, Email *, and Types of assistance required *. The 'Types of assistance required' section has four radio button options: Legal assistance, Data processing, Anonymisation, and Other.

Home Discover Resources Services Events Anchor Points News Helpdesk European Language Resource Coordination

On-site assistance request

Submit a request for on-site assistance by filling out the form below. See a list of services [here](#).

First name *

Last name *

Institution *

Country *

Email *

Types of assistance required *

☐ Legal assistance

☐ Data processing

☐ Anonymisation

☐ Other

Thank you for your attention!

Email: info@lr-coordination.eu
Website: www.lr-coordination.eu

