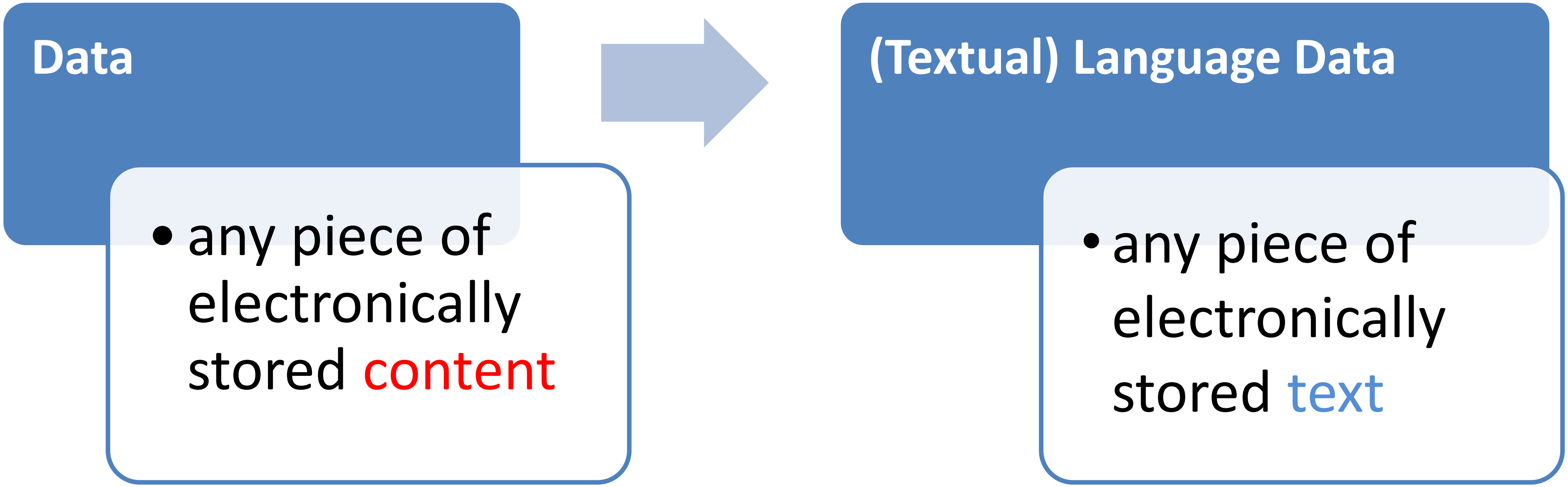
Preparing and sharing data via the ELRC-SHARE repository
ELRC on site Services and what happens next

Belgium Workshop

Khalid Choukri, Hélène Mazo
ELRA/ELDA

The notion of language data



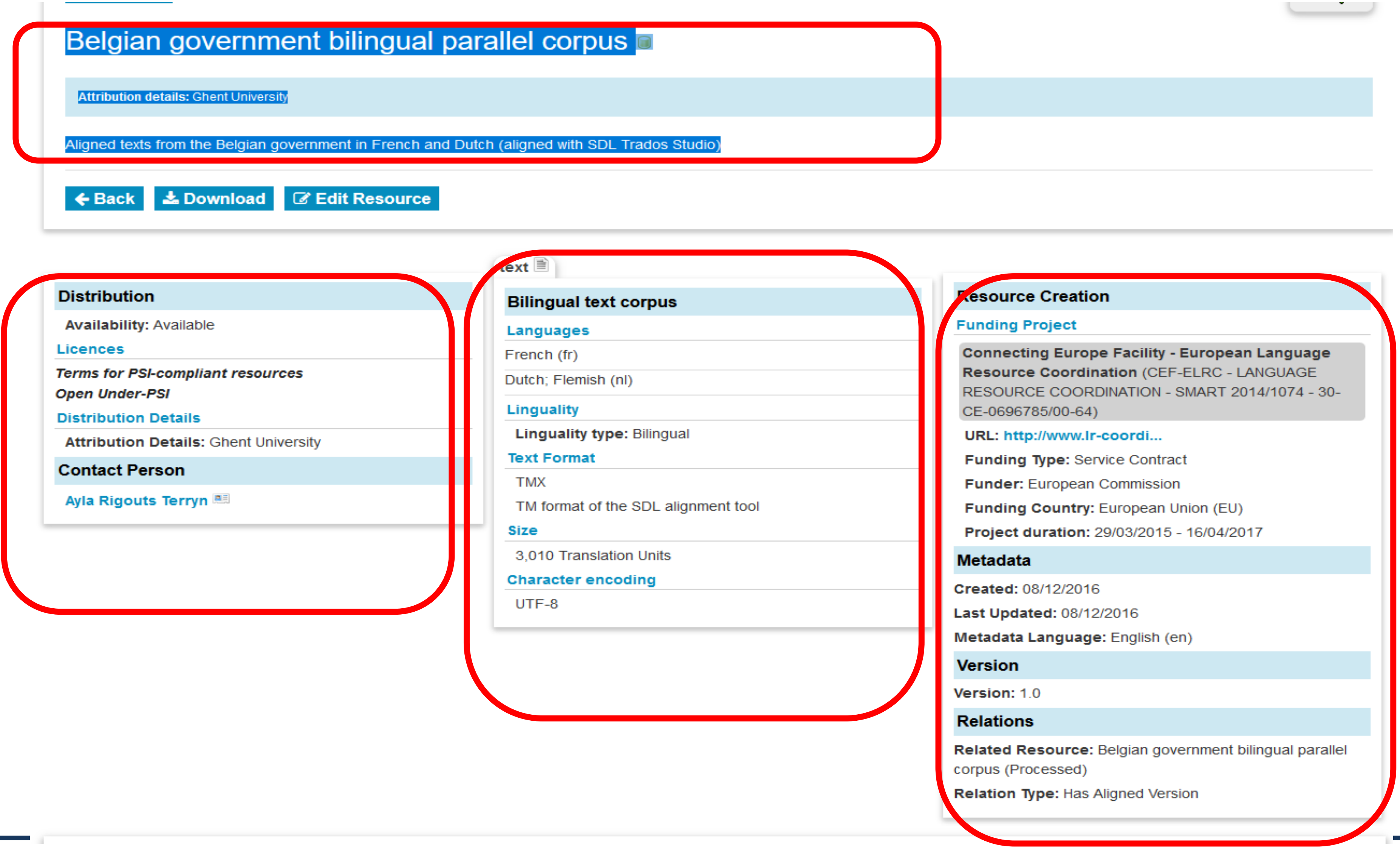
Data

- any piece of electronically stored content

(Textual) Language Data

- any piece of electronically stored text

The notion of data in the context of eTranslation



Belgian government bilingual parallel corpus

Attribution details: Ghent University

Aligned texts from the Belgian government in French and Dutch (aligned with SDL Trados Studio)

Distribution

Availability: Available

Licences

Terms for PSI-compliant resources

Open Under-PSI

Distribution Details

Attribution Details: Ghent University

Contact Person

Ayla Rigouts Terryn

text

Bilingual text corpus

Languages

French (fr)

Dutch; Flemish (nl)

Linguality

Linguality type: Bilingual

Text Format

TMX

TM format of the SDL alignment tool

Size

3,010 Translation Units

Character encoding

UTF-8

Resource Creation

Funding Project

Connecting Europe Facility - European Language Resource Coordination (CEF-ELRC - LANGUAGE RESOURCE COORDINATION - SMART 2014/1074 - 30-CE-0696785/00-64)

URL: http://www.lr-coordi...

Funding Type: Service Contract

Funder: European Commission

Funding Country: European Union (EU)

Project duration: 29/03/2015 - 16/04/2017

Metadata

Created: 08/12/2016

Last Updated: 08/12/2016

Metadata Language: English (en)

Version

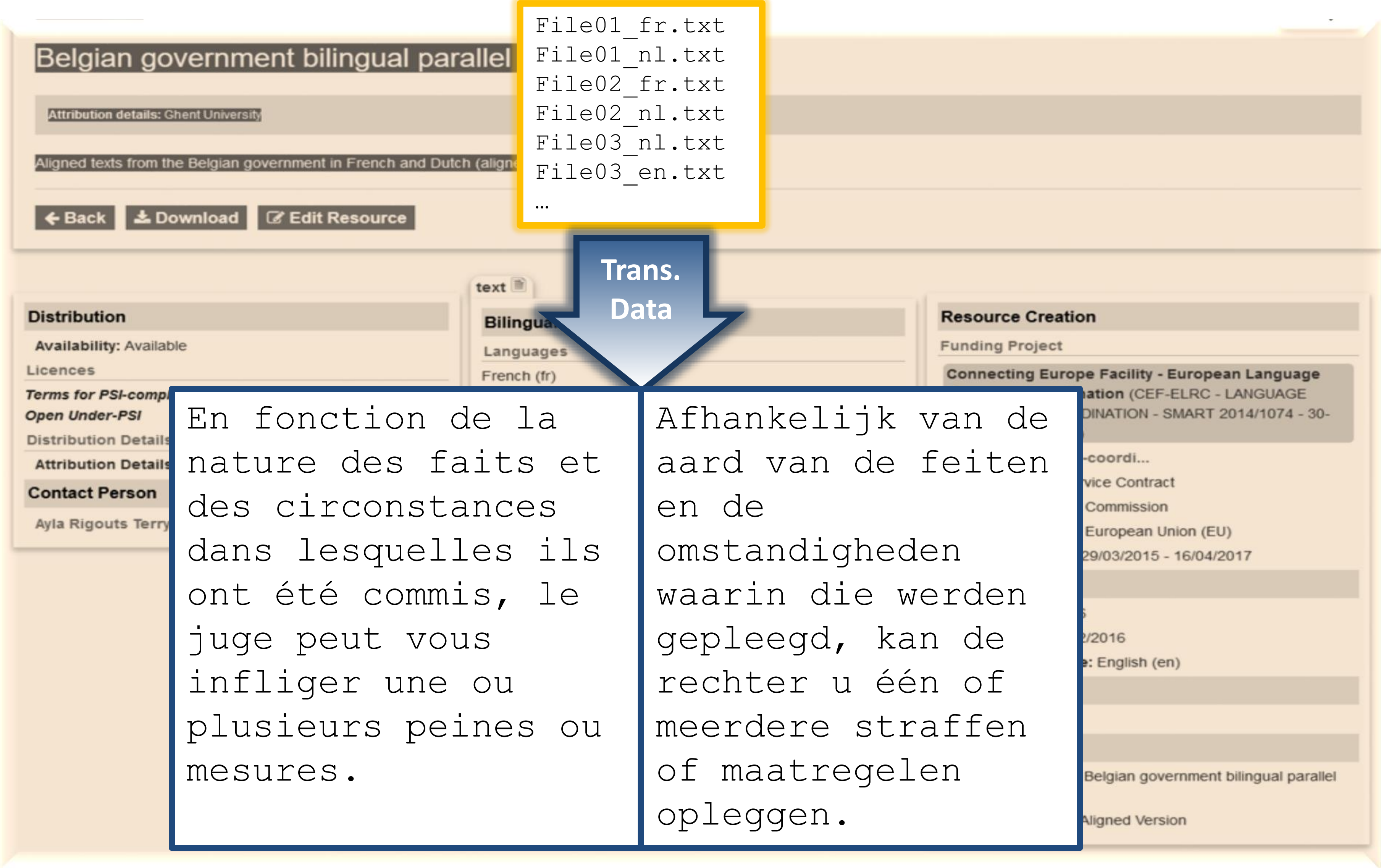
Version: 1.0

Relations

Related Resource: Belgian government bilingual parallel corpus (Processed)

Relation Type: Has Aligned Version

The notion of data in the context of eTranslation



Belgian government bilingual parallel

Attribution details: Ghent University

Aligned texts from the Belgian government in French and Dutch (aligne

Distribution

Availability: Available

Licences

Terms for PSI-comp

Open Under-PSI

Distribution Details

Attribution Details

Contact Person

Ayla Rigouts Terry

Bilingua

Languages

French (fr)

Resource Creation

Funding Project

Connecting Europe Facility - European Language
ation (CEF-ELRC - LANGUAGE
DINATION - SMART 2014/1074 - 30-

-coordi...

vice Contract

Commission

European Union (EU)

29/03/2015 - 16/04/2017

/2016

: English (en)

Belgian government bilingual parallel

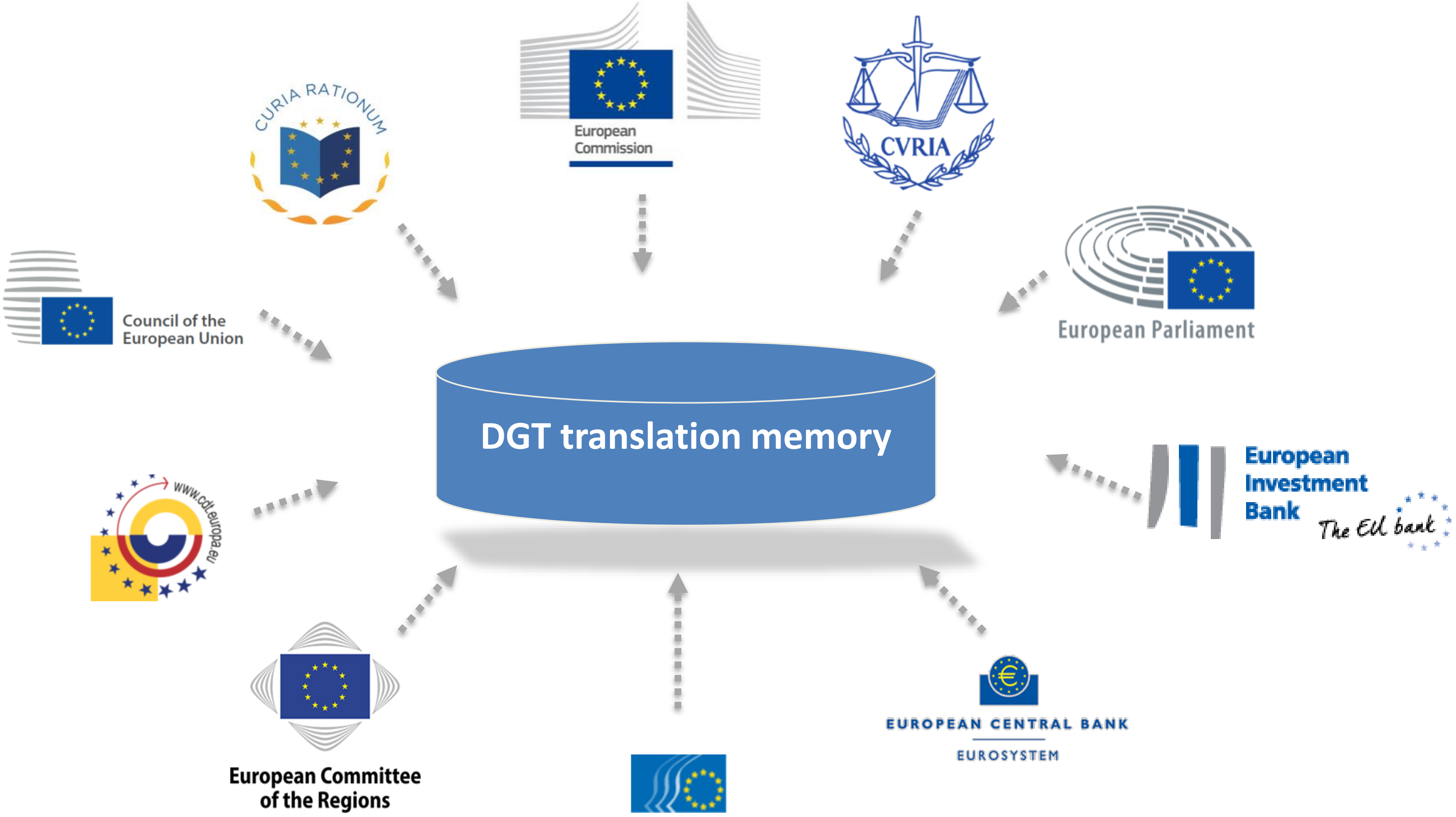
Aligned Version

```
File01_fr.txt
File01_nl.txt
File02_fr.txt
File02_nl.txt
File03_nl.txt
File03_en.txt
…
```

Trans. Data

En fonction de la nature des faits et des circonstances dans lesquelles ils ont été commis, le juge peut vous infliger une ou plusieurs peines ou mesures.	Afhankelijk van de aard van de feiten en de omstandigheden waarin die werden gepleegd, kan de rechter u één of meerdere straffen of maatregelen opleggen.

Data used by eTranslation



Such data are already available
BUT
they are not enough…

What does eTranslation need?

- Data residing in local public organisations, produced in-house or outsourced, e.g.
  - Reports
  - Communication
  - News
  - Web Content that is managed for several languages
  - Policies
  - Terminologies
  - Archives
  - Forms
  - FAQs

What data are useful for eTranslation as per type |1

- Any **electronically stored text** in an EU language plus NO and IS
- **Texts and their translations** (i.e. parallel bilingual or multilingual)

Dutch/Flemich text

U kunt de verschillende indexcijfers terugvinden op de website van de FOD Economie

Het recentste gezondheidsindexcijfer kunt u ook vernemen via het automatisch antwoordapparaat op het nummer 02 277 56 40 of op de website van de FOD Economie.

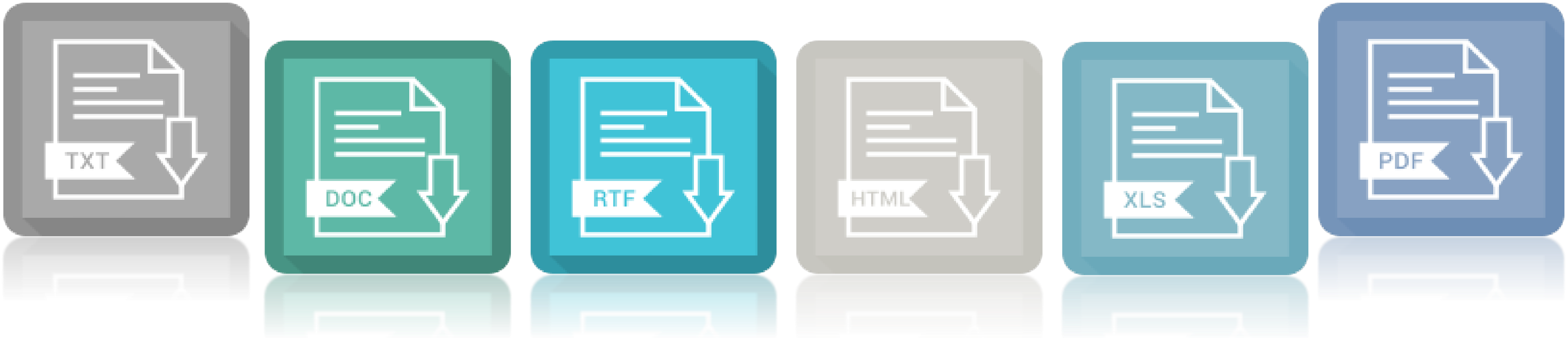
U vindt ook een huurcalculator voor de automatische berekening van de indexering van huurprijzen.

Translation in French

retrouverez les différents indices sur le site web du SPF Economie.
Pour connaître l'indice santé le plus récent, vous pouvez aussi consulter le répondeur automatique au numéro 02 277 56 40 ou vous connecter au site du SPF Economie.

Vous y trouverez également un calculateur de loyer pour le calcul automatique de l’indexation des loyers.

What data are useful for eTranslation as per format |1



- In principle, any text in machine readable format
- But, some formats are more “MT-ready” than others, i.e. they require less manual or automatic processing
- More processing introduces more errors in the final output, making it less useful for eTranslation

What data are useful for eTranslation as per format |2

- The following formats are particularly useful (in descending order):
  - For bilingual/multilingual parallel texts
    1. Translation memories (.tmx)
    2. XML translation files (.xliff)
    3. Plain text (.txt, .csv)
    4. Spreadsheets (e.g. xlsx)
  - For terminologies
    1. TermBase eXchange (.tbx)
    2. Plain text (.txt, .csv)
    3. Spreadsheets (e.g. xlsx)
  - For monolingual texts
    1. Plain text (.txt, .csv)

File formats of parallel texts and their manipulation

Preparing your data |1

Don’ts

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U kunt de verschillende indexcijfers terugvinden op de website van de FOD Economie

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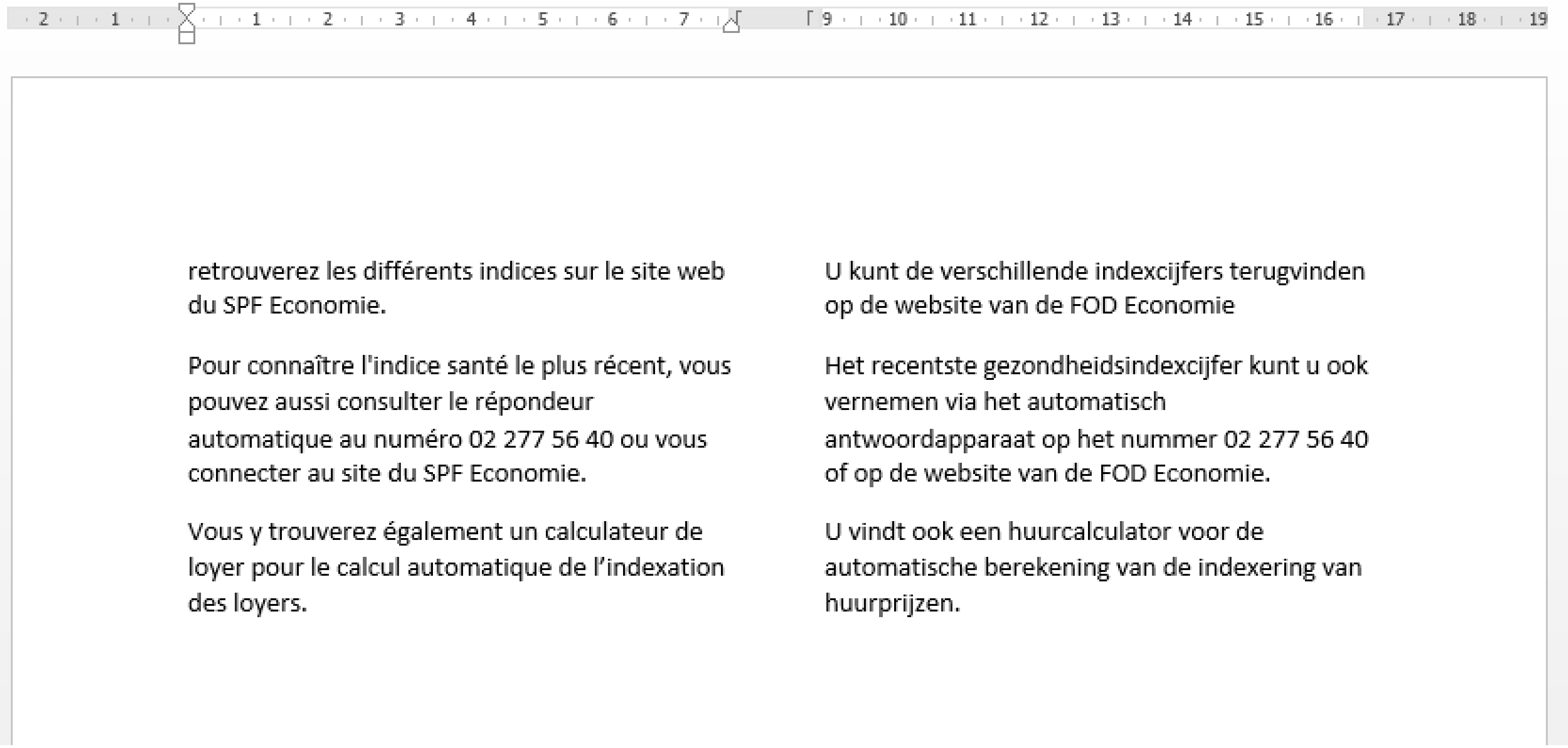
Don’t merge the source and translated text into a single document

Preparing your data |2

Don’ts



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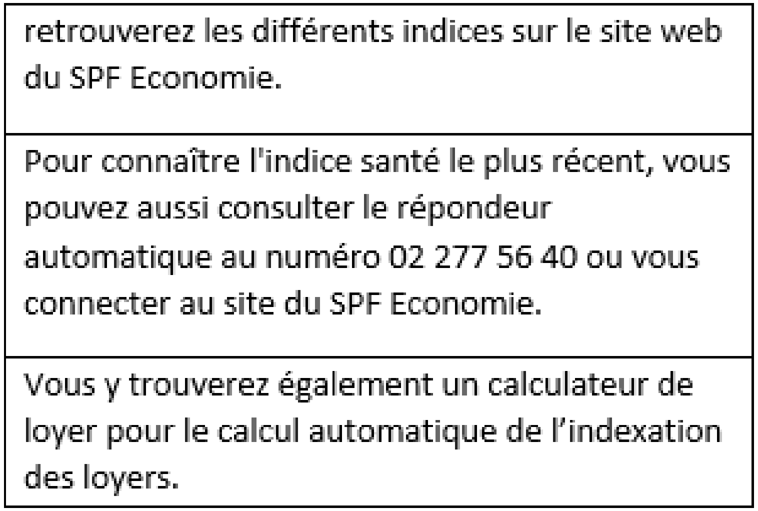
U vindt ook een huurcalculator voor de automatische berekening van de indexering van huurprijzen.

Preparing your data |3

Don'ts



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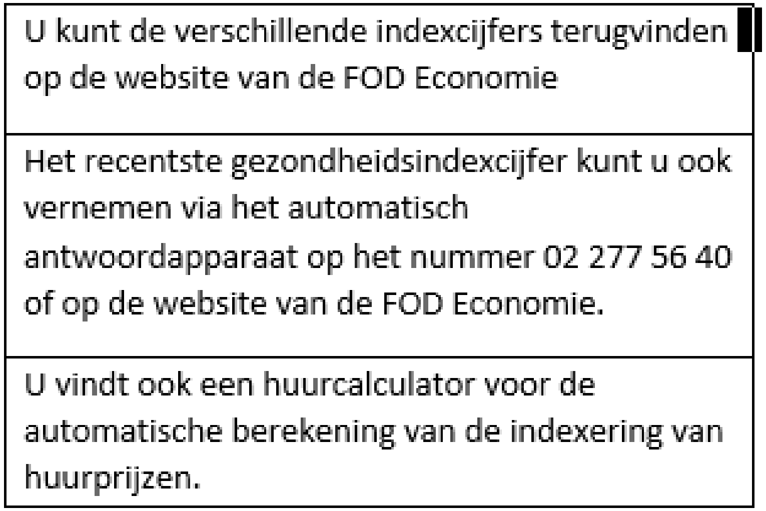

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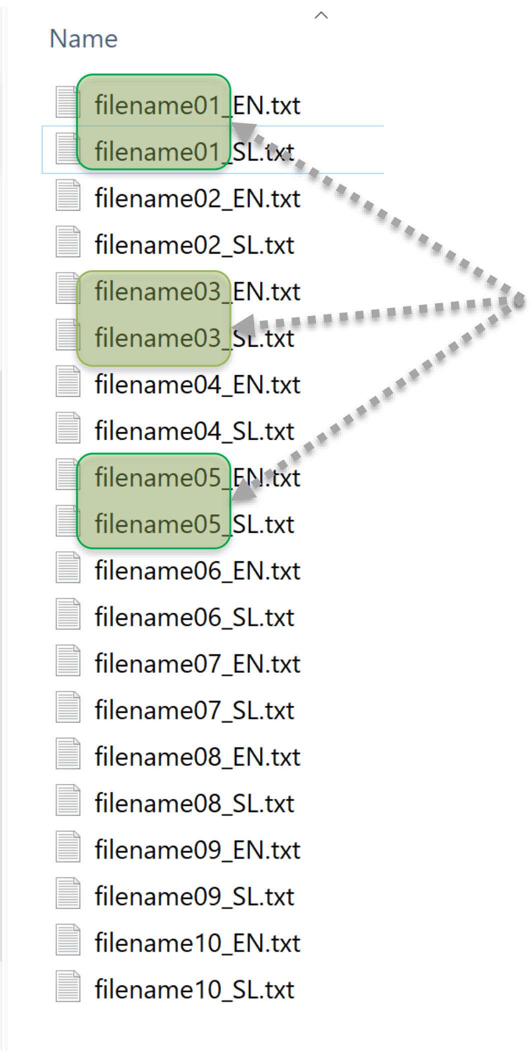
U vindt ook een huurcalculator voor de automatische berekening van de indexering van huurprijzen.

Preparing your data |4

Do’s



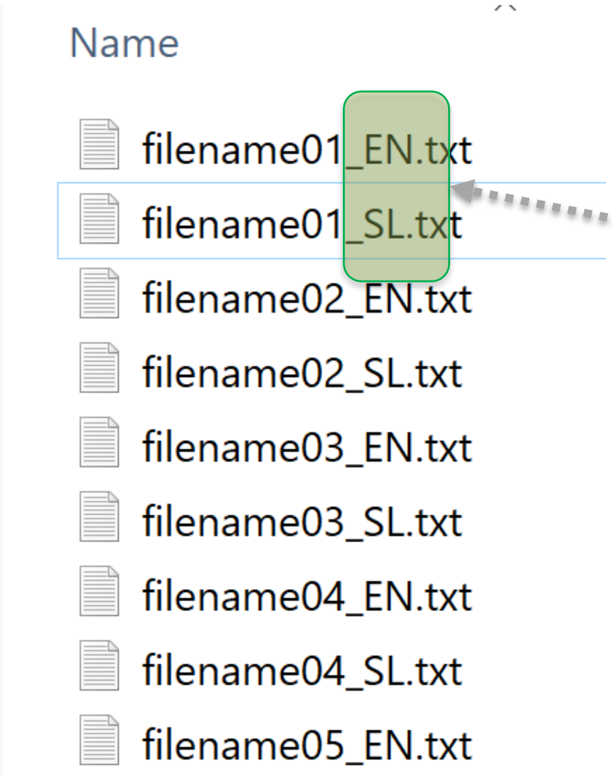
Name

filename01_EN.txt
filename01_SL.txt
filename02_EN.txt
filename02_SL.txt
filename03_EN.txt
filename03_SL.txt
filename04_EN.txt
filename04_SL.txt
filename05_EN.txt
filename05_SL.txt
filename06_EN.txt
filename06_SL.txt
filename07_EN.txt
filename07_SL.txt
filename08_EN.txt
filename08_SL.txt
filename09_EN.txt
filename09_SL.txt
filename10_EN.txt
filename10_SL.txt

Use **identical filenames** for each document pair (source – translation)

Preparing your data |5

Do’s



Name

filename01_EN.txt
filename01_SL.txt
filename02_EN.txt
filename02_SL.txt
filename03_EN.txt
filename03_SL.txt
filename04_EN.txt
filename04_SL.txt
filename05_EN.txt

Include **language identifiers** in the filename

Criteria for grouping your data

- Remember: a dataset is a collection of data **grouped according to certain criteria**
- For the purpose of enhancing and adapting CEF eTranslation, two criteria are critical:
  - **Language(s)**: each collection is defined by the language or language pairs of its data, e.g.
    - *Collection of texts in English – German*
    - *Documents in English – Norwegian - Finnish*
  - **Domain**: each collection ideally belongs to a single domain, e.g.
    - *Collection of texts in English – German in the culture domain*
    - *Social security documents in English – Norwegian - Finnish*

Preferred domains

- Administrative/regulatory domain and
- Topics relevant to the CEF DSIs

CEF DSI	Domain
Online Dispute Resolution	Consumers' rights, complaints
Electronic Exchange of Social Security Information	Social security, insurance
eProcurement	Public procurement, contractual agreements
European e-Justice Portal	Justice, Law
eHealth	Health, Medicine
Business Registers Interconnection System	Business, market
Safer Internet	
Cybersecurity	
Public Open Data	
Europeana	Culture

How to contribute your data to CEF eTranslation
A step-by-step guide

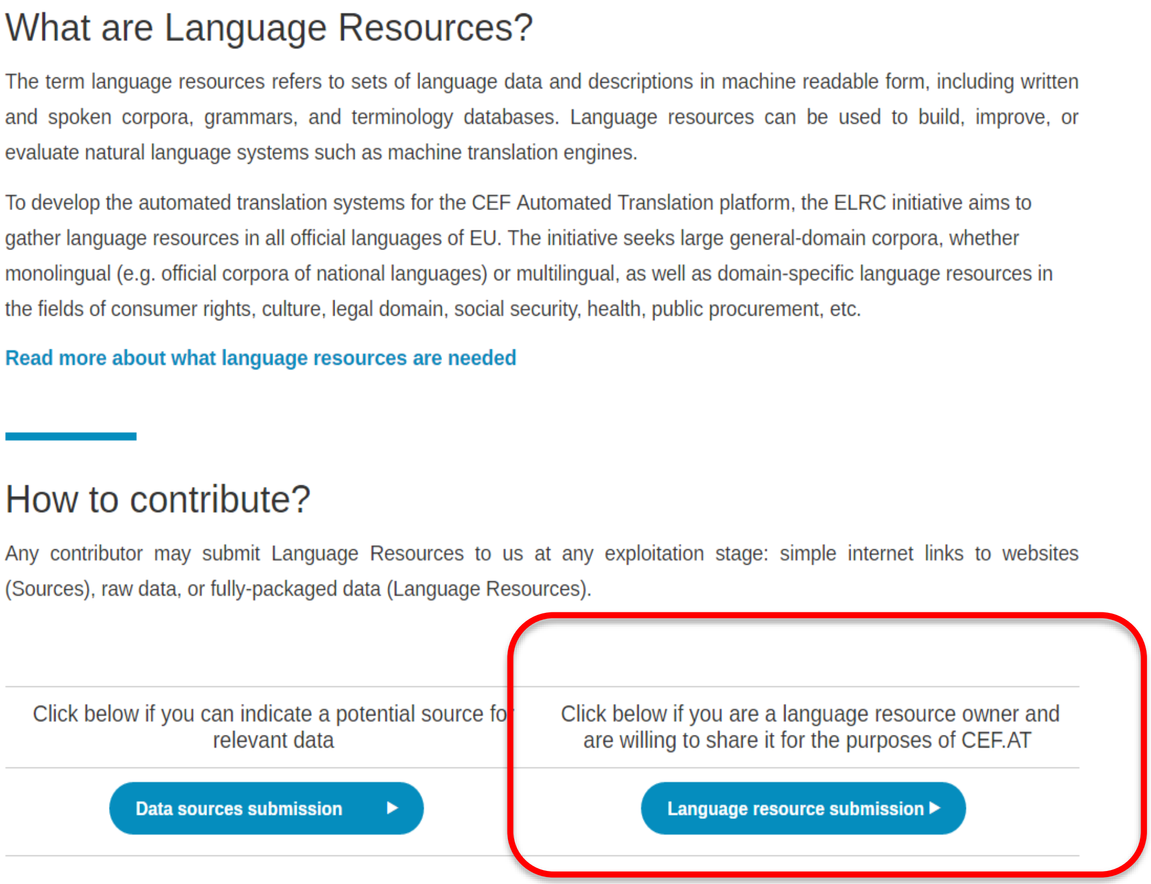
To ELRC-SHARE

- At the ELRC portal click on the “Language resource submission” button

Or

- Type in the url address:

elrc-share.eu



What are Language Resources?

The term language resources refers to sets of language data and descriptions in machine readable form, including written and spoken corpora, grammars, and terminology databases. Language resources can be used to build, improve, or evaluate natural language systems such as machine translation engines.

To develop the automated translation systems for the CEF Automated Translation platform, the ELRC initiative aims to gather language resources in all official languages of EU. The initiative seeks large general-domain corpora, whether monolingual (e.g. official corpora of national languages) or multilingual, as well as domain-specific language resources in the fields of consumer rights, culture, legal domain, social security, health, public procurement, etc.

Read more about what language resources are needed

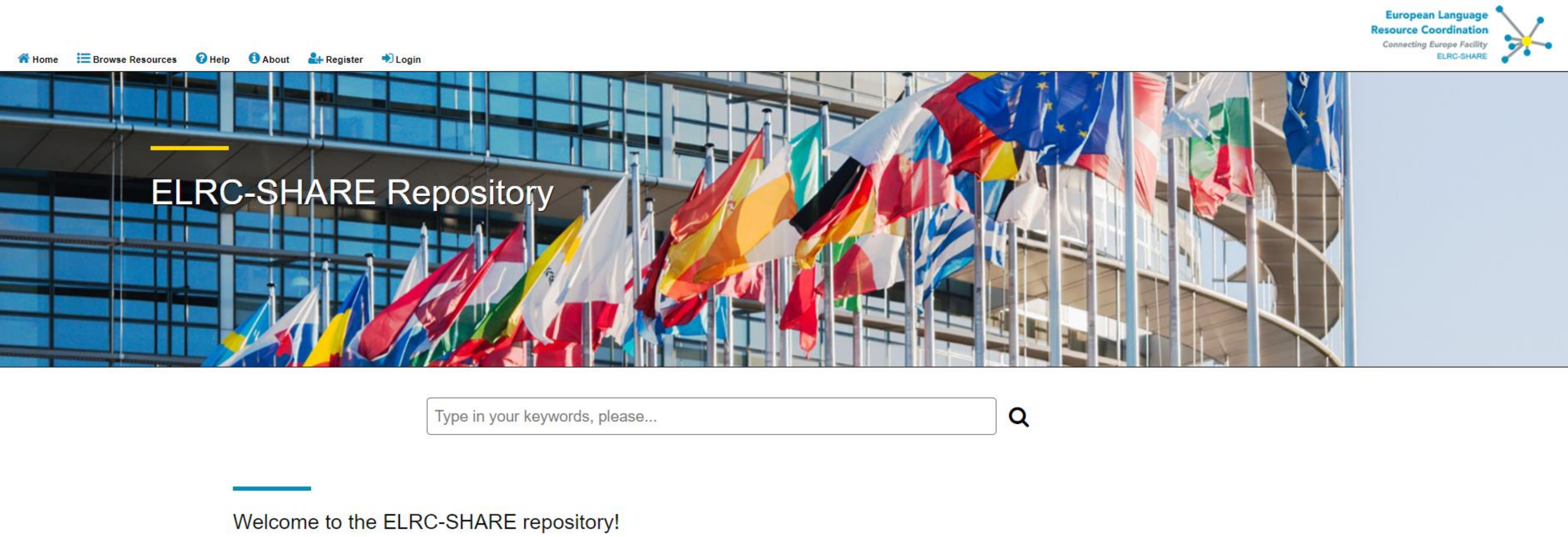
How to contribute?

Any contributor may submit Language Resources to us at any exploitation stage: simple internet links to websites (Sources), raw data, or fully-packaged data (Language Resources).

Click below if you can indicate a potential source fo relevant data

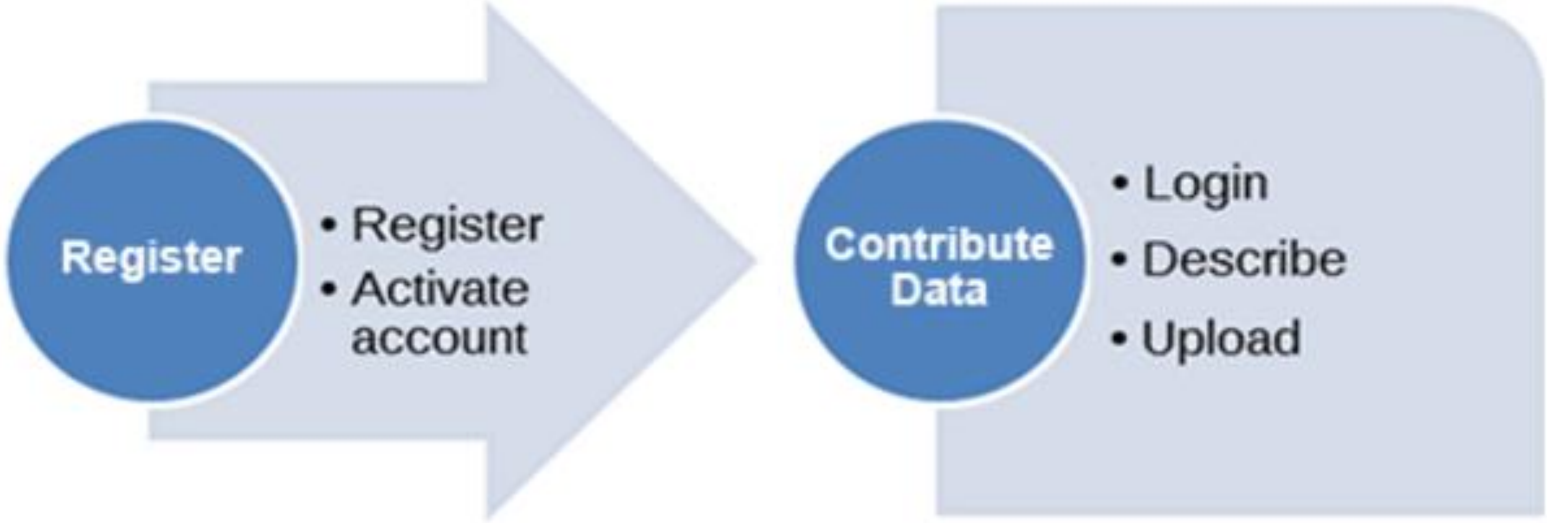
Click below if you are a language resource owner and are willing to share it for the purposes of CEF.AT

ELRC-SHARE repository



Welcome to the ELRC-SHARE repository!

How to Contribute Data



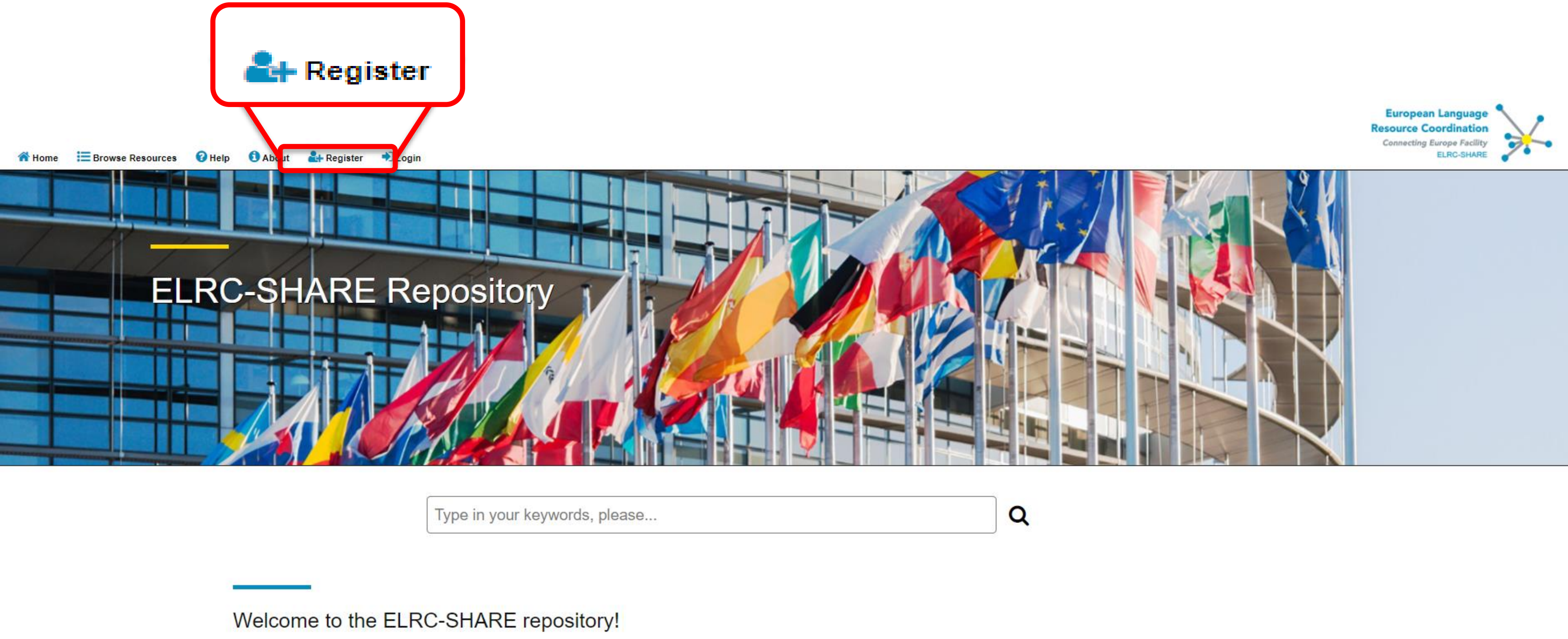
Register

- Register
- Activate account

Contribute Data

- Login
- Describe
- Upload

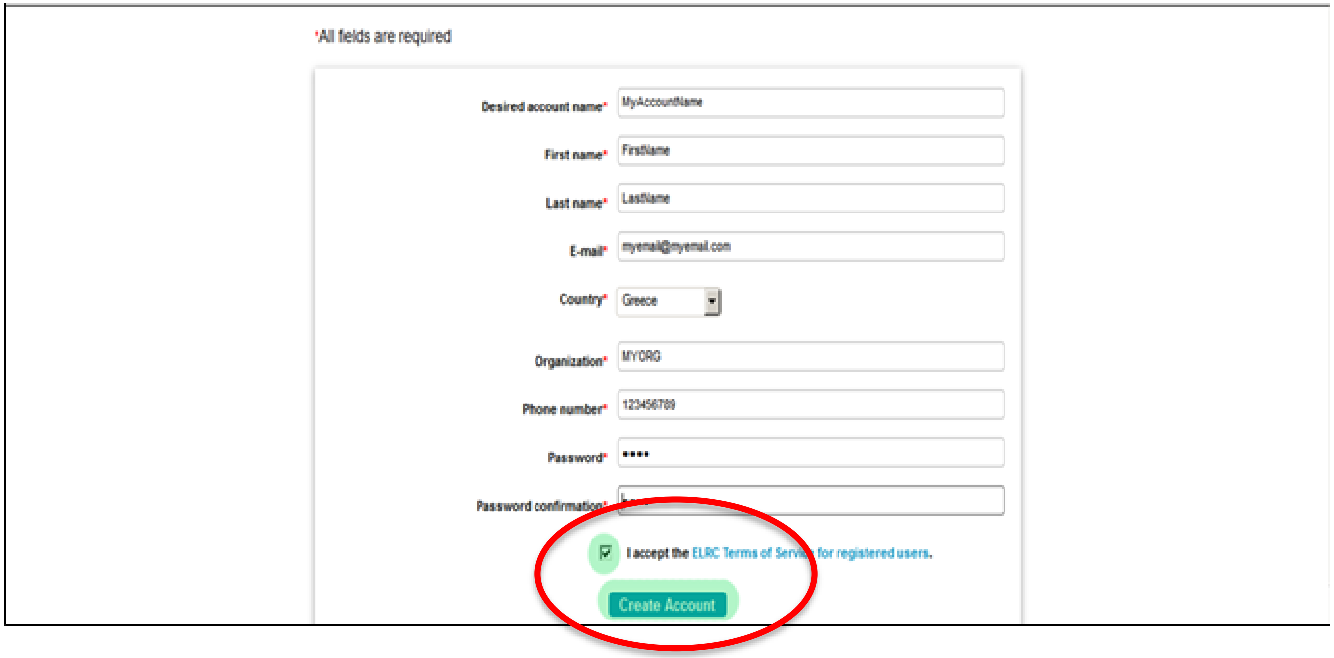
How to Register (1/2)


Register
Home
Browse Resources
Help
About
Register
Login
European Language Resource Coordination
Connecting Europe Facility
ELRC-SHARE
ELRC-SHARE Repository
Type in your keywords, please...

Welcome to the ELRC-SHARE repository!

How to Register (2/2)

- Fill in the required info
- Read the *Terms of Service* and click *Accept*, if you agree
- Click the *Create Account* button
- Activate your account according to the guidelines emailed to you

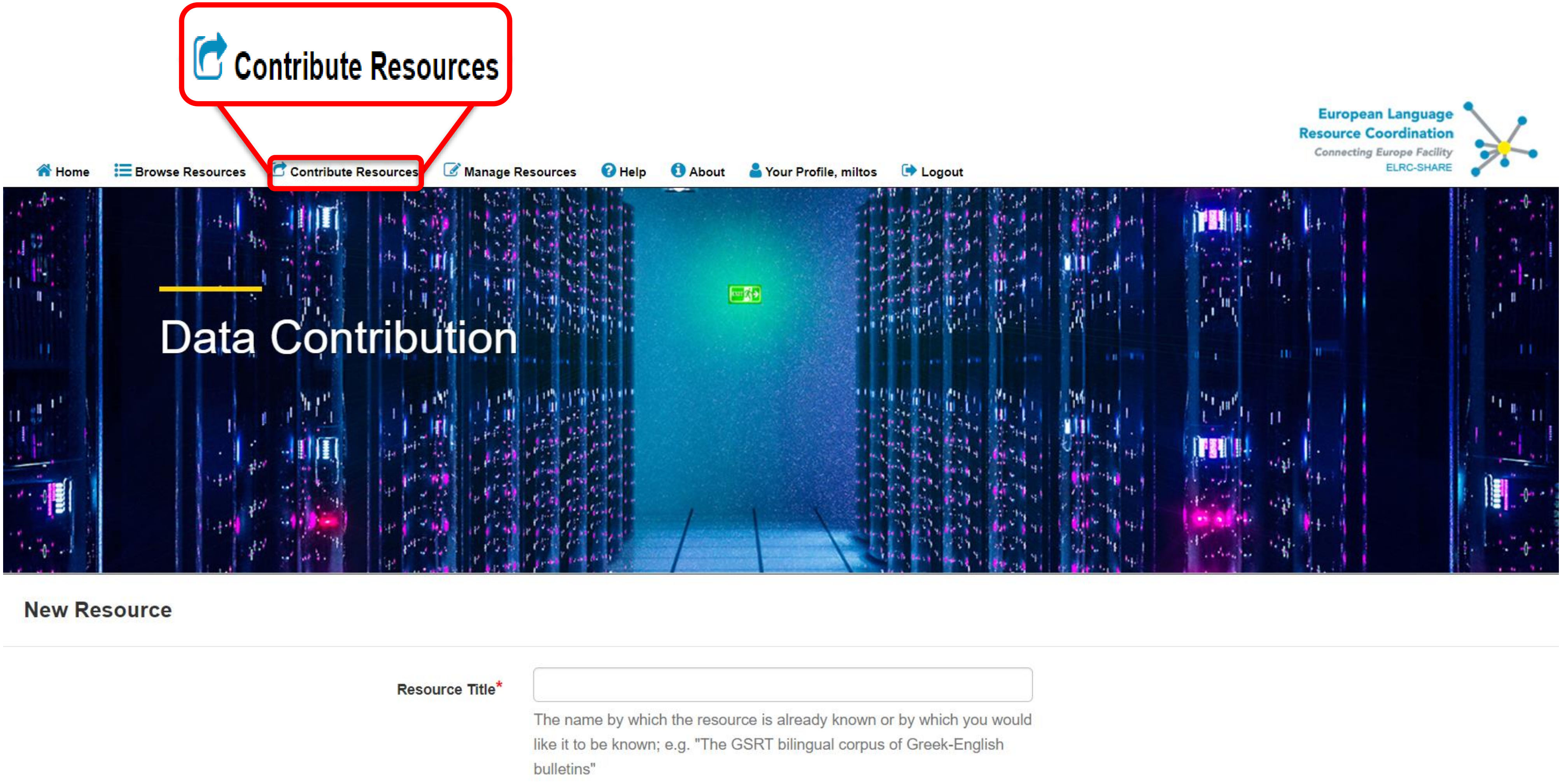


*All fields are required

Desired account name*	MyAccountName
First name*	FirstName
Last name*	LastName
E-mail*	myemail@myemail.com
Country*	Greece
Organization*	MYORG
Phone number*	123456789
Password*	••••
Password confirmation*	

☑ I accept the ELRC Terms of Service for registered users.

How to Contribute Data (1/6)



Data Contribution

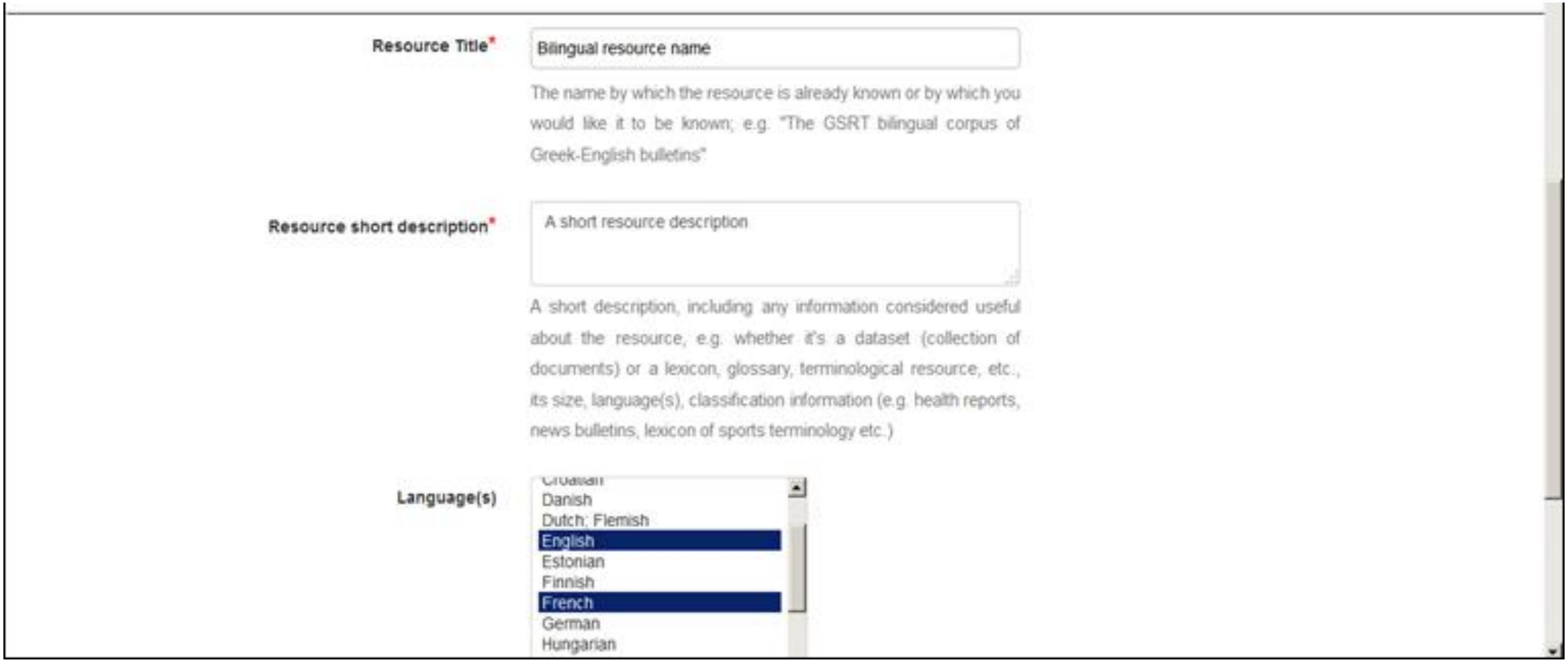
New Resource

Resource Title*

The name by which the resource is already known or by which you would like it to be known; e.g. "The GSRT bilingual corpus of Greek-English bulletins"

How to Contribute Data (2/6)

- Fill in the details of the dataset



Resource Title* Bilingual resource name

The name by which the resource is already known or by which you would like it to be known; e.g. "The GSRT bilingual corpus of Greek-English bulletins"

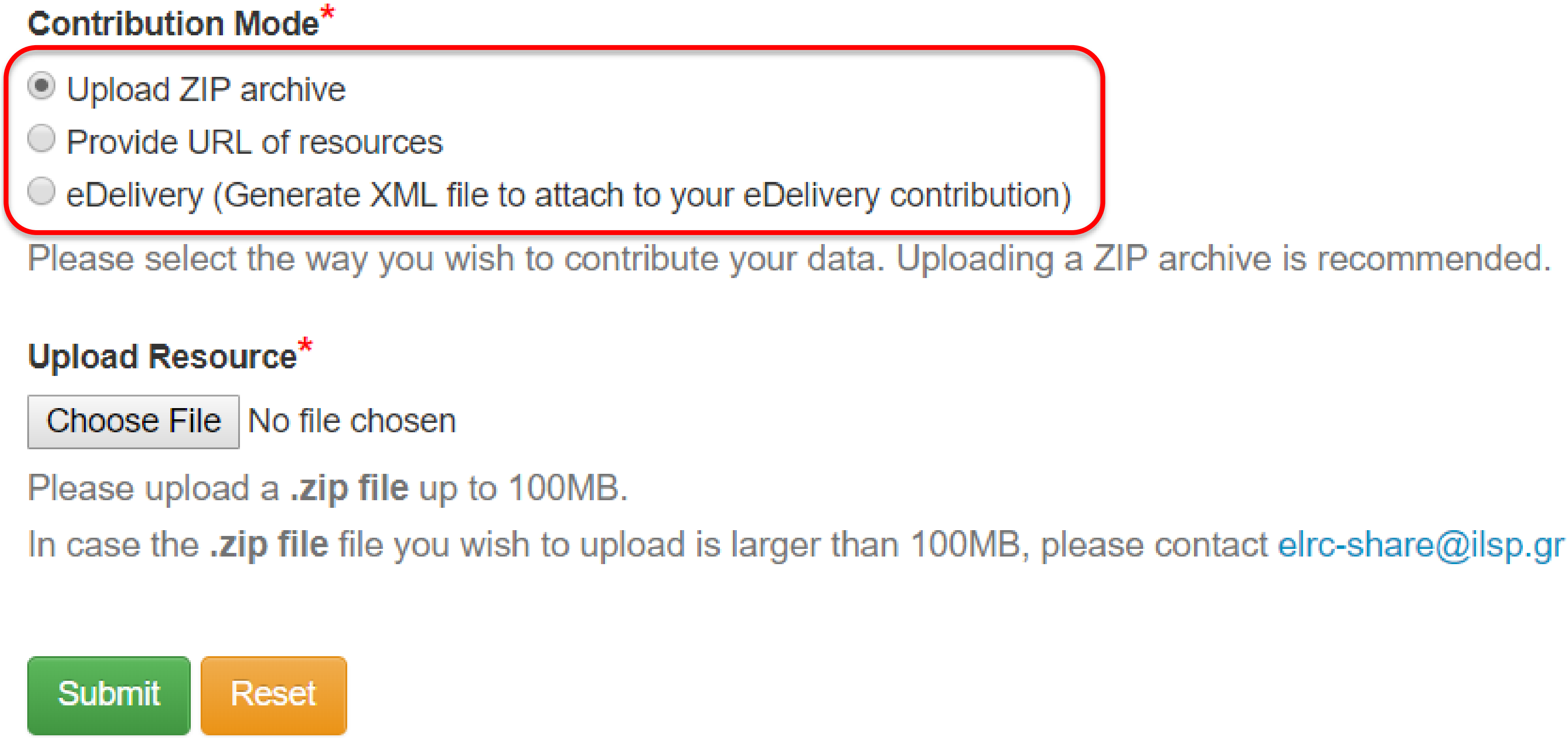
Resource short description* A short resource description

A short description, including any information considered useful about the resource, e.g. whether it's a dataset (collection of documents) or a lexicon, glossary, terminological resource, etc., its size, language(s), classification information (e.g. health reports, news bulletins, lexicon of sports terminology etc.)

Language(s)

How to Contribute Data (3/6)

- Three modes for contributing your data



Contribution Mode*

● Upload ZIP archive
○ Provide URL of resources
○ eDelivery (Generate XML file to attach to your eDelivery contribution)

Please select the way you wish to contribute your data. Uploading a ZIP archive is recommended.

Upload Resource*

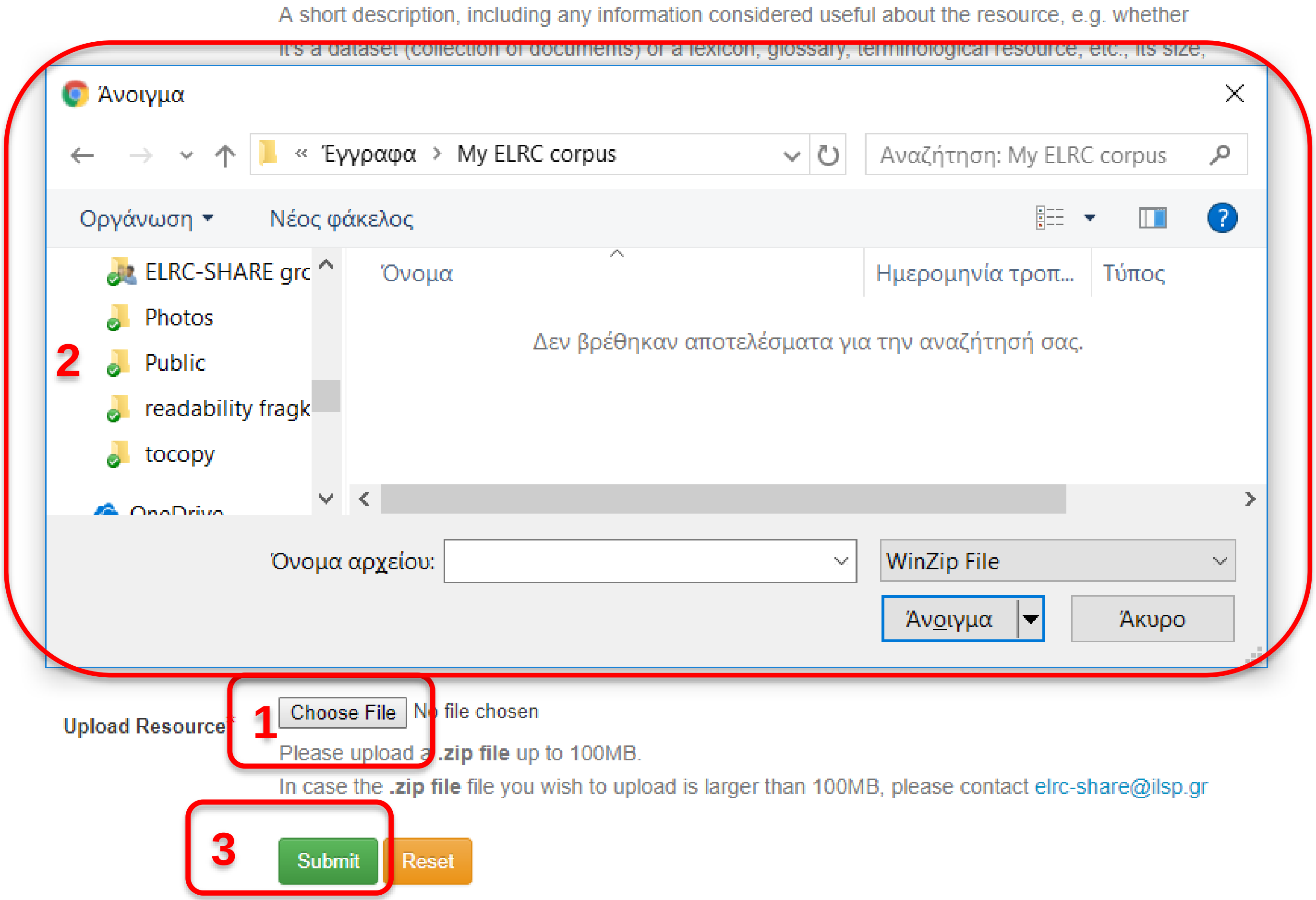
Choose File No file chosen

Please upload a **.zip file** up to 100MB.

In case the **.zip file** file you wish to upload is larger than 100MB, please contact elrc-share@ilsp.gr

How to Contribute Data (4/6)

1. Click on Choose file
2. Locate your resource in your hard disk
3. Click on Submit



A short description, including any information considered useful about the resource, e.g. whether it's a dataset (collection of documents) or a lexicon, glossary, terminological resource, etc., its size,

Δεν βρέθηκαν αποτελέσματα για την αναζήτησή σας.

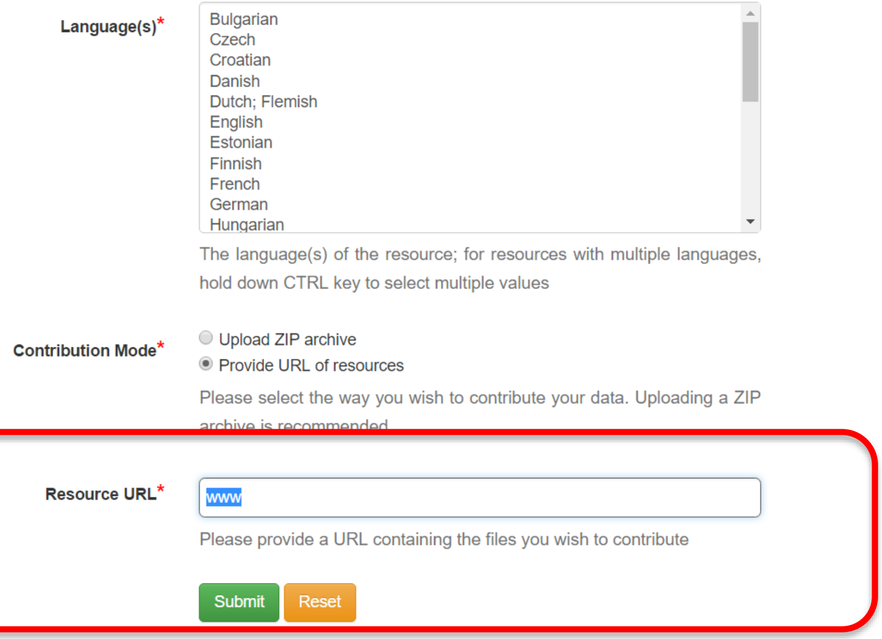
Upload Resource* Choose File No file chosen

Please upload a .zip file up to 100MB.

In case the .zip file file you wish to upload is larger than 100MB, please contact elrc-share@ilsp.gr

How to Contribute Data (5/6)

- Alternatively indicate a url (directory listing)



Language(s)*

Bulgarian
Czech
Croatian
Danish
Dutch; Flemish
English
Estonian
Finnish
French
German
Hungarian

The language(s) of the resource; for resources with multiple languages, hold down CTRL key to select multiple values

Contribution Mode*

○ Upload ZIP archive
● Provide URL of resources

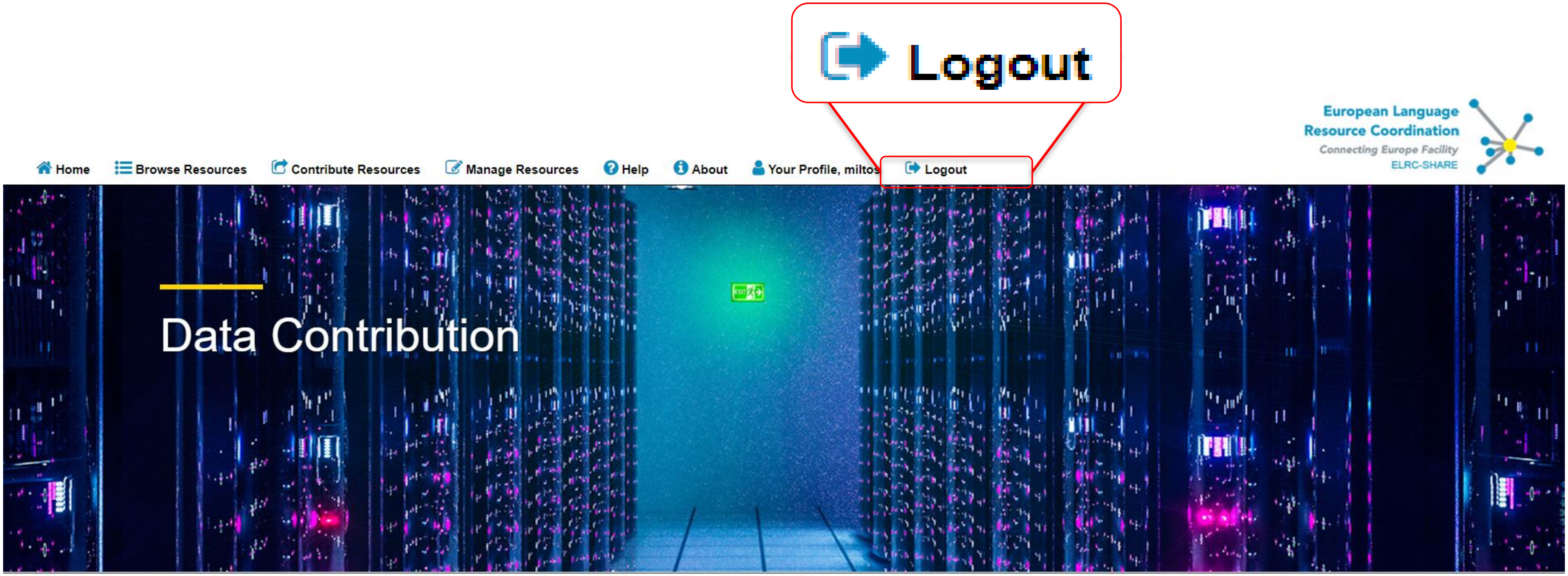
Please select the way you wish to contribute your data. Uploading a ZIP archive is recommended

Resource URL* www

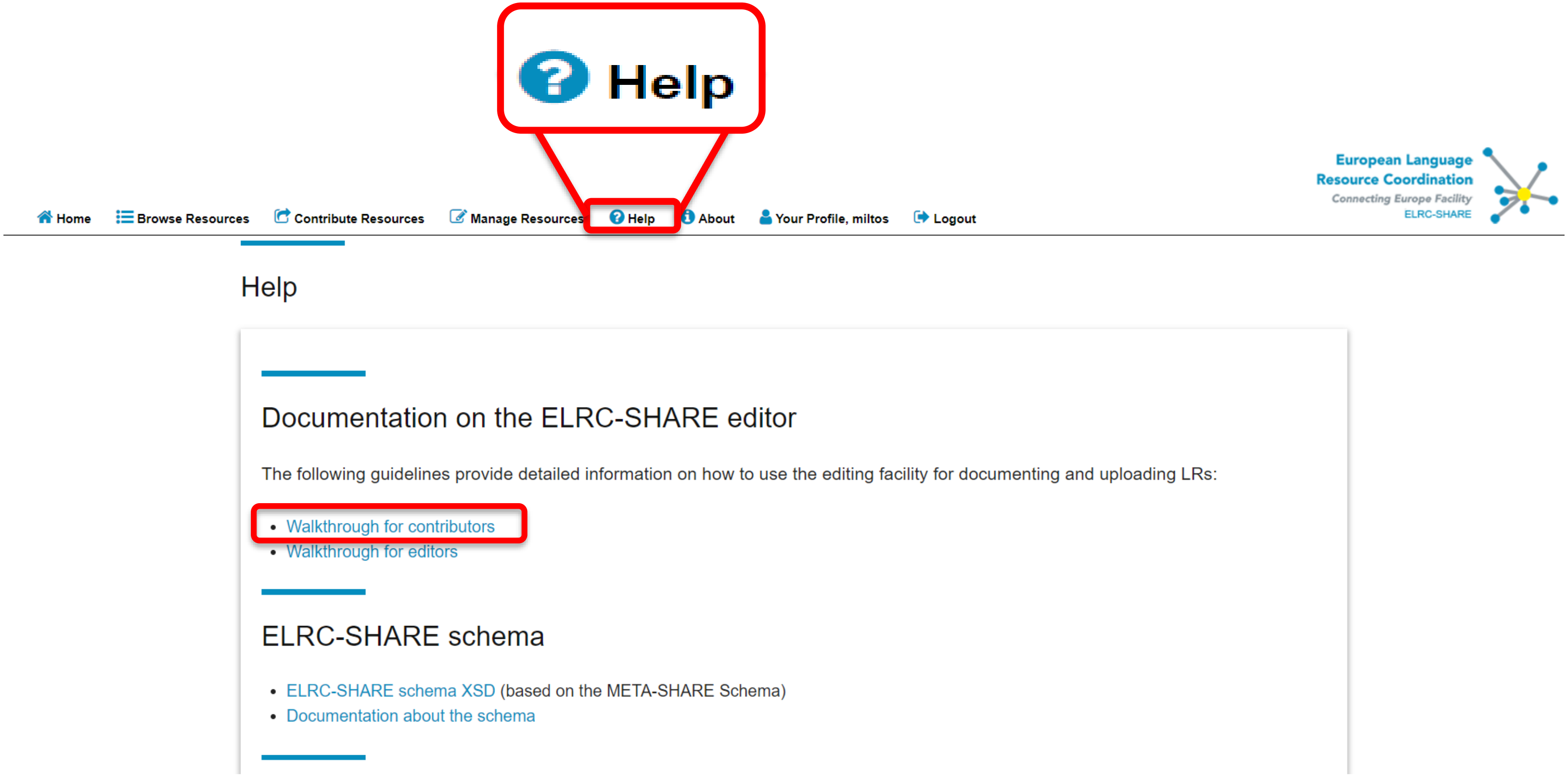
Please provide a URL containing the files you wish to contribute

How to Contribute Data (6/6)

- Repeat the process if you want to contribute another resource, or log out



Guidelines for contributors



Help

Documentation on the ELRC-SHARE editor

The following guidelines provide detailed information on how to use the editing facility for documenting and uploading LRs:

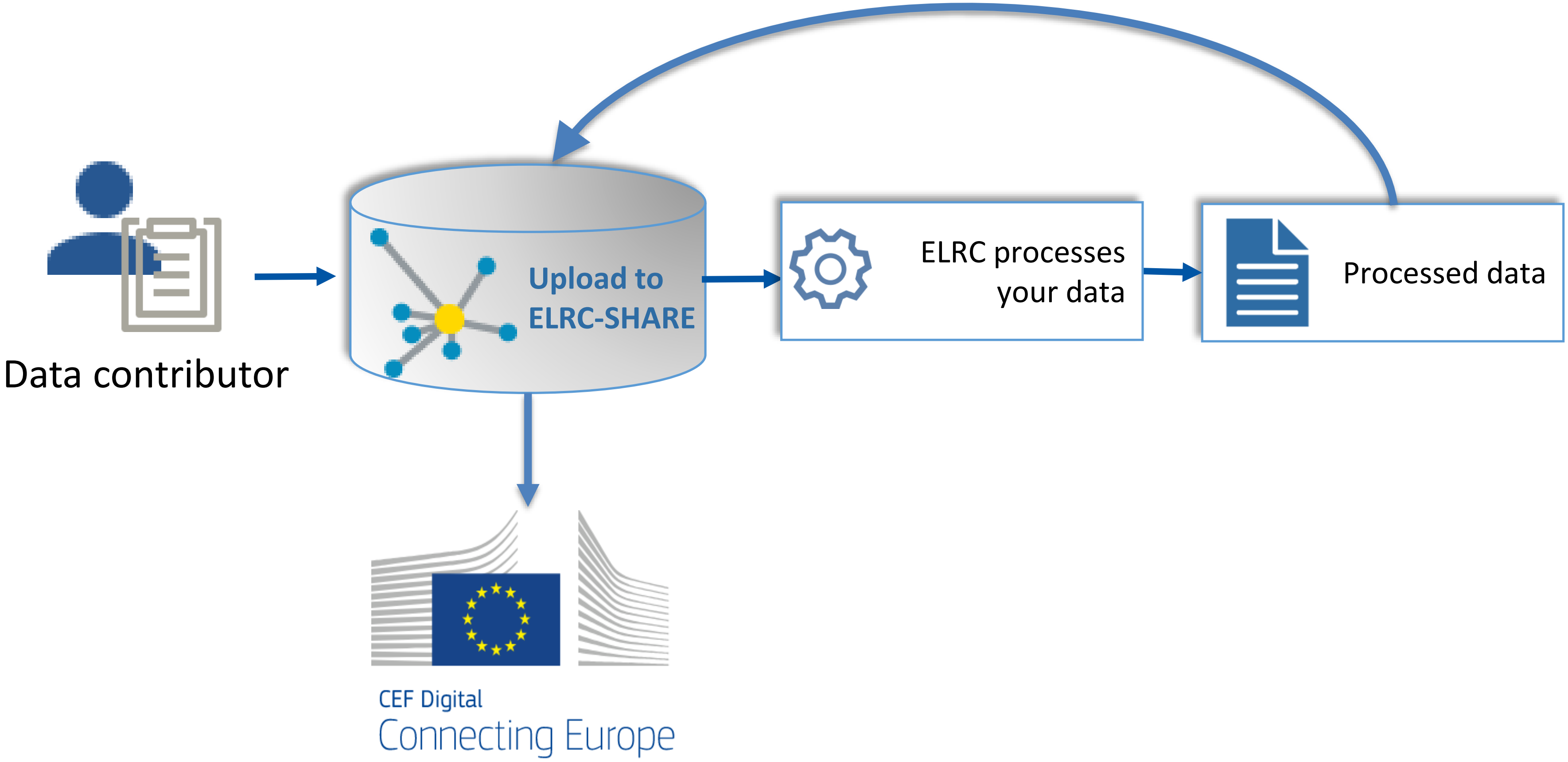
- Walkthrough for contributors
- Walkthrough for editors

ELRC-SHARE schema

- ELRC-SHARE schema XSD (based on the META-SHARE Schema)
- Documentation about the schema

What happens next?

What happens to your data?



Data processing before delivery to EC

- 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

On-site assistance

All these services can also be offered on-site to all data contributors free of charge

On-site assistance

Our team of experts will travel directly to assist you at your own offices

On-site assistance

Assistance will be provided in close cooperation with a broad network of language experts

On-site assistance

We will (help) fix your data issues and return the processed data directly to you.

We can also help to improve your data management processes. Just ask!

Language processing services on-site

Data extraction

If your data is trapped in archives and databases, we can help extract it

Anonymisation

Does your data contain private info? We can help to anonymise

Cleaning

If your data is messy (i.e., lots of noise), we will clean it up

Re-formatting

Need to re-format DOCX to XML, or PDF to WORD? Let us do it for you!

Language processing services

Data conversion

If your data isn't converted to the proper formats, we can help convert it

Tag removal

Does your data contain unneeded tags? We can assist in removing them!

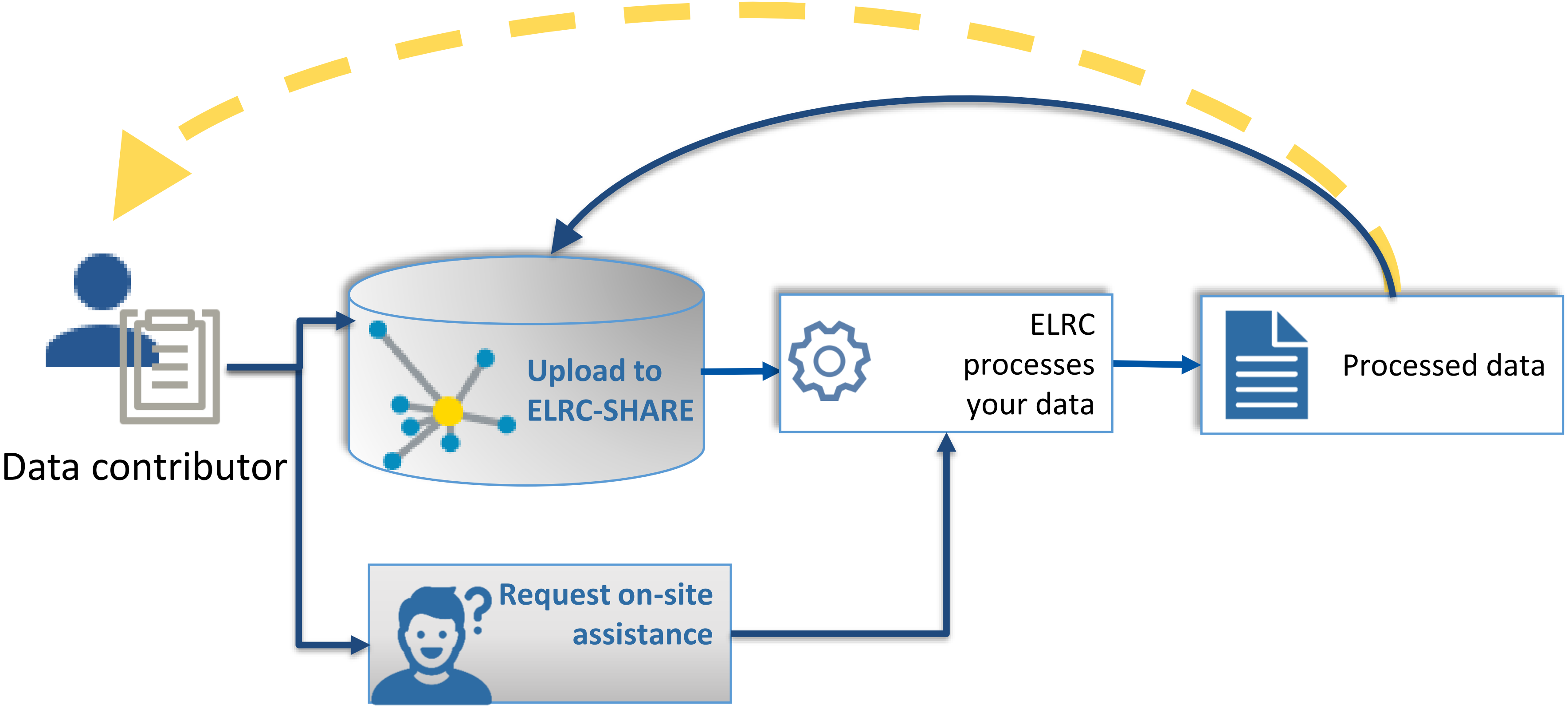
Alignment

Translations aren't aligned? We'll do it for you with our tools!

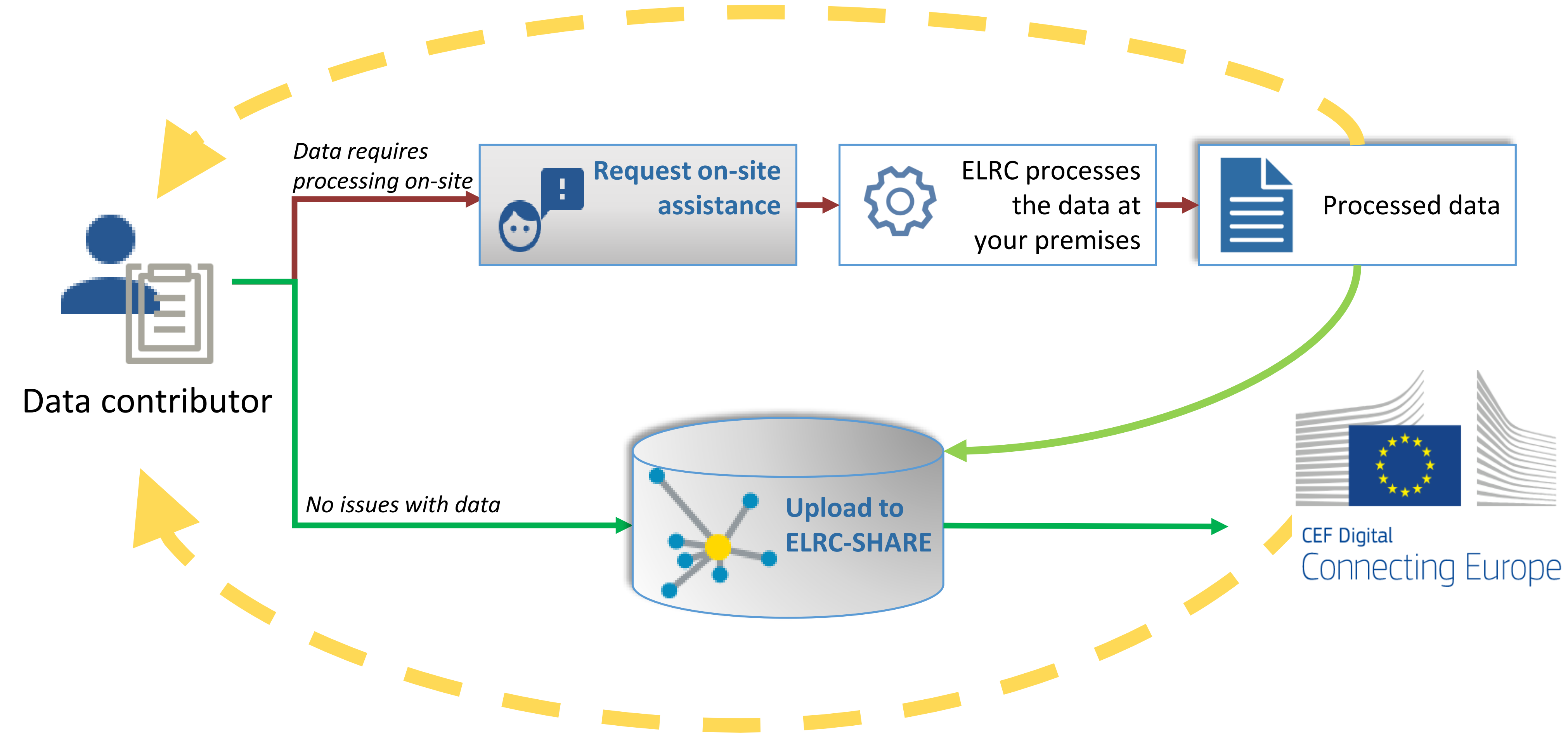
Metadata

Metadata are crucial! We can organise and validate metadata for your team

What happens to your data?

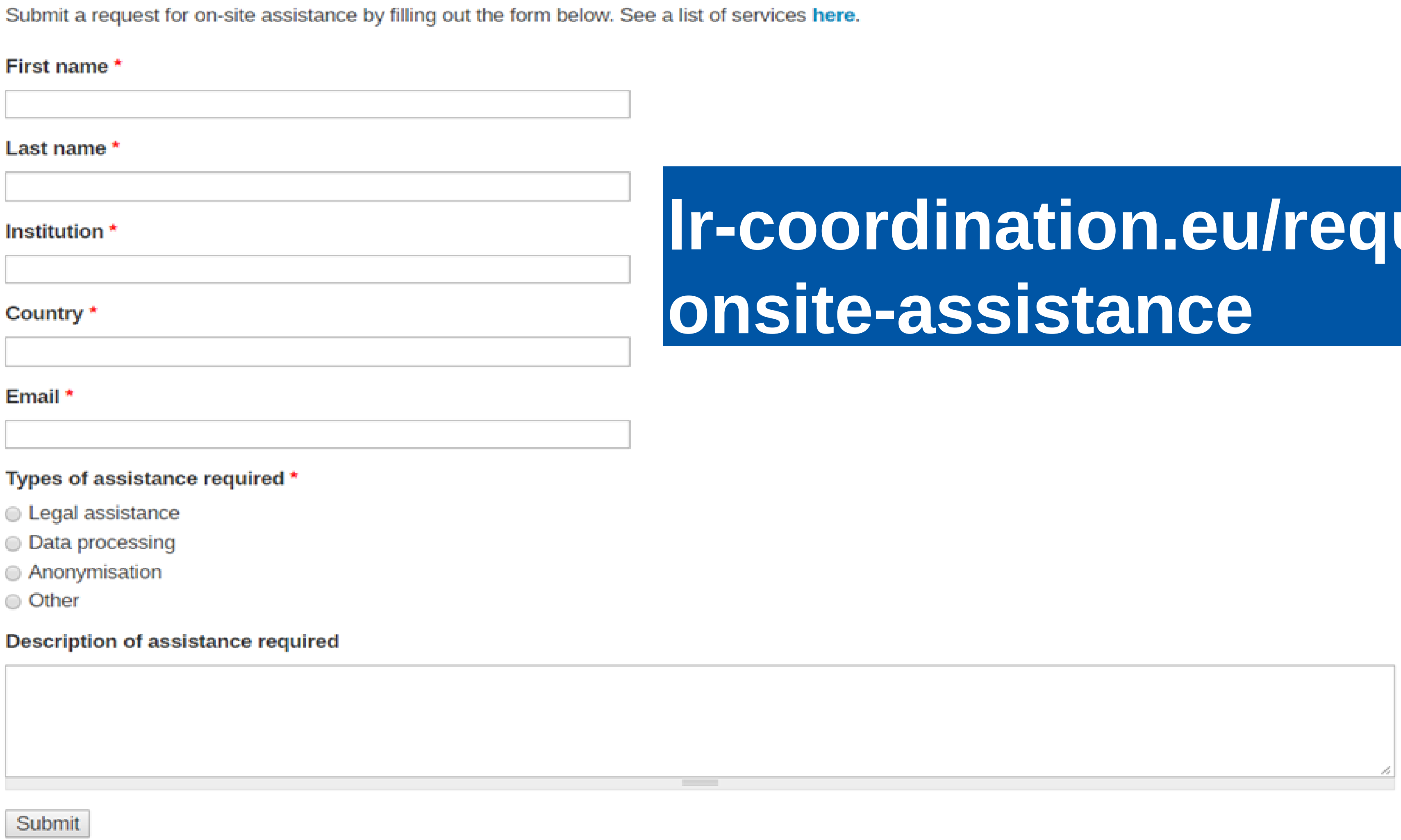


On-site assistance |2



How to request services and help

ELRC onsite assistance



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 *

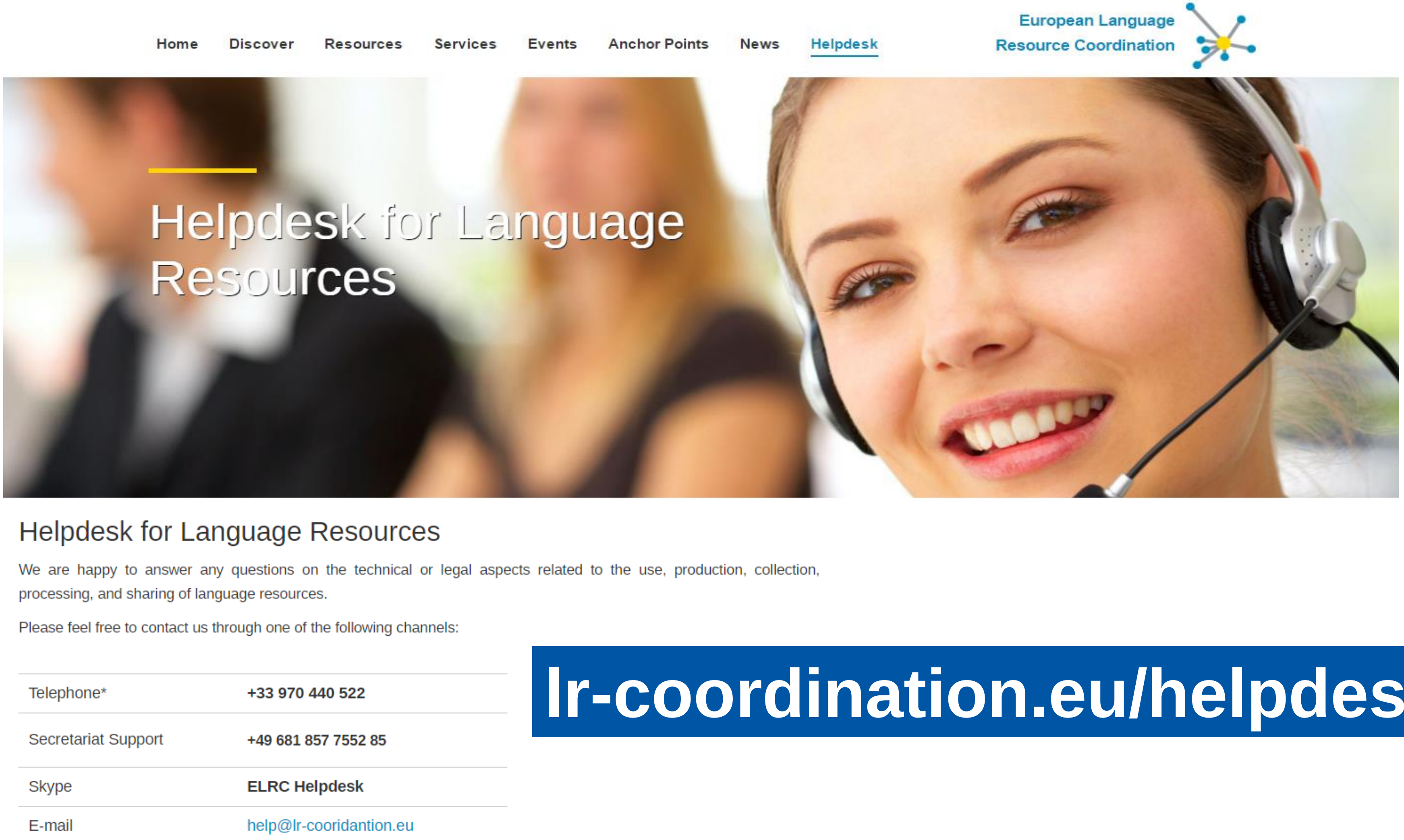
Types of assistance required *

○ Legal assistance
○ Data processing
○ Anonymisation
○ Other

Description of assistance required

lr-coordination.eu/request-onsite-assistance

ELRC Helpdesk


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

Helpdesk for Language Resources

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.

Please feel free to contact us through one of the following channels:

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

lr-coordination.eu/helpdesk

Thank you!

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Case studies (2015-2016)

Spain

Problem: Data provider didn’t store translations as related documents, therefore source/target translation weren’t paired

Solution: ELRC helped crawl a local system to find, related, and pair source/target translations

Spain

Problem: In some Spanish governmental departments, archives were only available in PDF

Solution: ELRC helped provide good converters to get usable documents

Germany

Problem: Data owner needed help with anonymization, as databases contained personal info. Another need: cleaning up ‘junk’ data (URLs, numbers, fragments)

Solution: ELRC helped provide anonymization services and data cleaning

Estonia

Problem: Data donor found that legal acts in EN, ET, RU couldn’t be aligned on a document level (no common machine-readable cross-language ID)

Solution: ELRC helped provide alignment services for documents