



The CEF eTranslation platform @ work

Michael Jellinghaus
eTranslation Engines Project Manager
DGT R.3

eTranslation platform at a glance

MT@EC

- Launched June 2013
- Legalese
- Statistical (Moses)

eTranslation

- Launched July 2017 (webservice for snippets), Nov. 2017 (web page for documents)
- Cloud based
- Neural engines

CEF.AT

- More NLPs (transliteration, named entity recognition...)
- Generic services
- Projects (ELRC, market research)

eTranslation platform at a glance

- Available for:
 - individuals (submit documents / text snippets through a web page)
 - machine-to-machine use
- Users:
 - EU institutions (translators and other staff)
 - Digital Service Infrastructures (EESI, ODR, Open Data Portal, e-Justice Portal etc.)
 - System suppliers (EURLex, N-Lex, Internal Market Information system etc.)
 - Individuals in public administrations
- Benefits:
 - Increase speed and productivity
 - Reduce costs
 - Facilitate information exchange



Start typing your text

E-mail me my translation

0 / 2500

From **To**

Domain Cutting edge (default)

Translate text

Drop files to upload (or click)

Supported formats: 

From *

To *

Domain

Output format

E-mail me my translation Delete after download.



Submit your document...



EUROPEAN COMMISSION
MEMO

Brussels, 6 May 2013

Smarter rules for safer food: Commission proposes landmark package to modernise, simplify and strengthen the agri-food chain in Europe

1) What is "from farm-to-fork" policy?

The EU "from farm-to-fork" policy covers legislation to **protect health** by ensuring that the food we produce and import that ends up on our plates is safe to eat. This body of legislation is a complex, integrated system of rules which takes care of all the links in the food chain from: the protection of plants from pests, the protection of animals and humans from animal diseases (and from such diseases which are transmissible to humans) and the protection of human health from all the hazards that might arise along the agri-food chain. It also includes all those rules which allow the Single Market to function smoothly in this area and provides rules for the protection of consumers.

Official controls are carried out at various stages in the food production chain by EU Member States to ensure that the legislation is being correctly applied.

Get your translation
back by e-mail.



The graphic features a circular frame containing a document from the European Commission. The document includes the European flag, the text "COMMISSION EUROPÉENNE", "NOTE", and the date "Bruxelles, 6 mai 2013". The main title of the note is partially visible: "Règles plus intelligentes pour des denrées plus sûres": Paquet décisif pour moderniser, de simplifier et renforcer le secteur agroalimentaire en Europe. A large blue arrow points diagonally across the bottom right of the circle, containing the text "Keeps your formatting!".

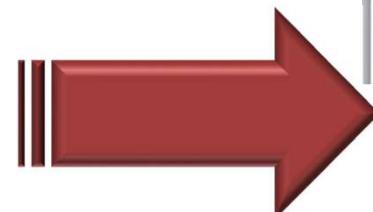
Règles plus intelligentes pour des denrées plus sûres": Paquet décisif pour moderniser, de simplifier et renforcer le secteur agroalimentaire en Europe

1) Ce qui est «de la fourche à la fourchette»

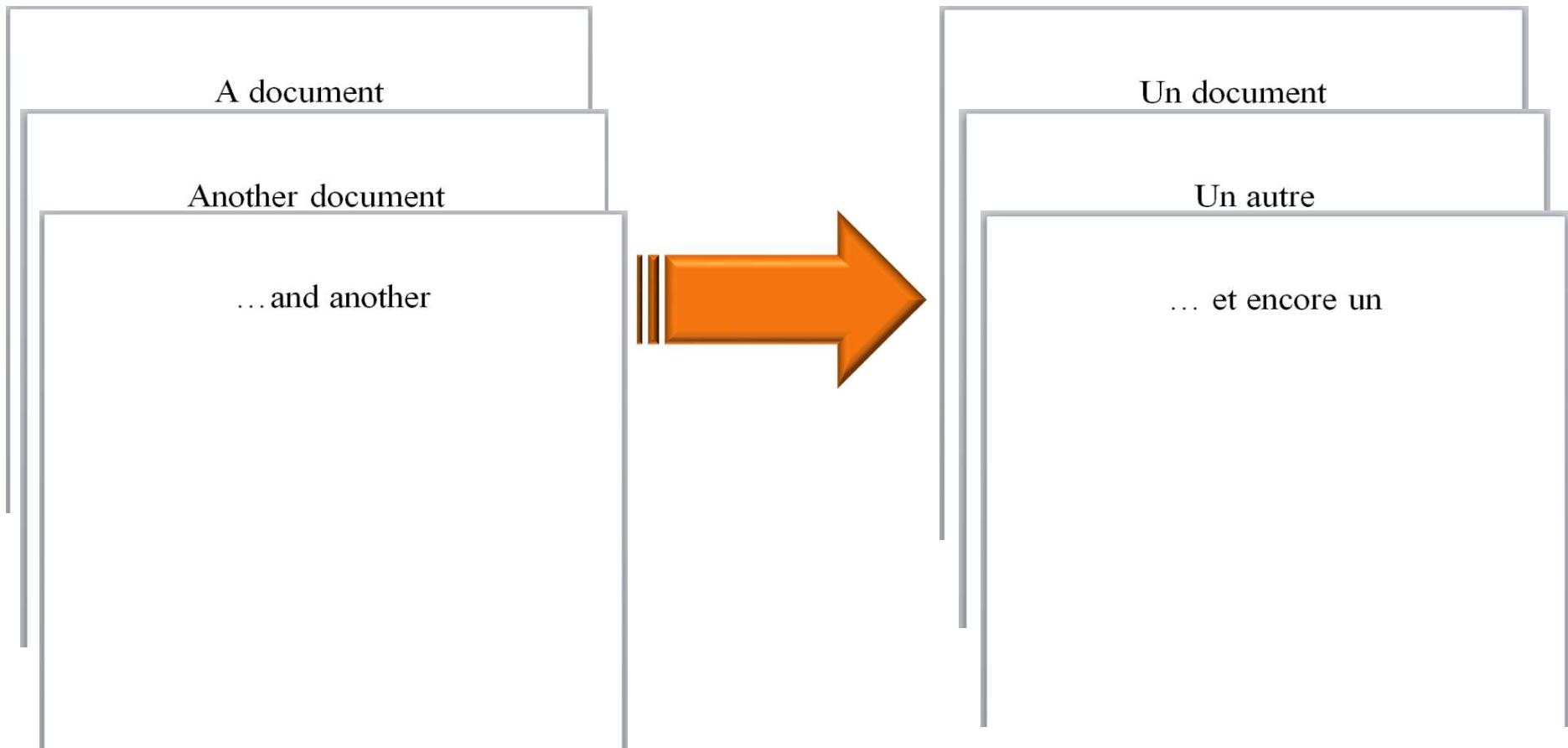
L'UE «de la fourche à la fourchette» a mis l'accent sur la santé en faisant en sorte que nos aliments soient meilleurs et plus sûrs. Cela passe par une législation plus intelligente qui protège les consommateurs et les producteurs. Le système actuel de régulation de la sécurité alimentaire est un système de maillons de la chaîne qui protège contre les dangers nuisibles, la protection de la sécurité alimentaire commence à partir de ces malades et se termine avec les consommateurs. La législation actuelle comprend également des règles pour assurer la sécurité des aliments de manière harmonisée dans toute l'Union européenne. Les consommateurs

Keeps your
formatting!

One original,
many translations...



Many documents at once...



eTranslation protects your privacy

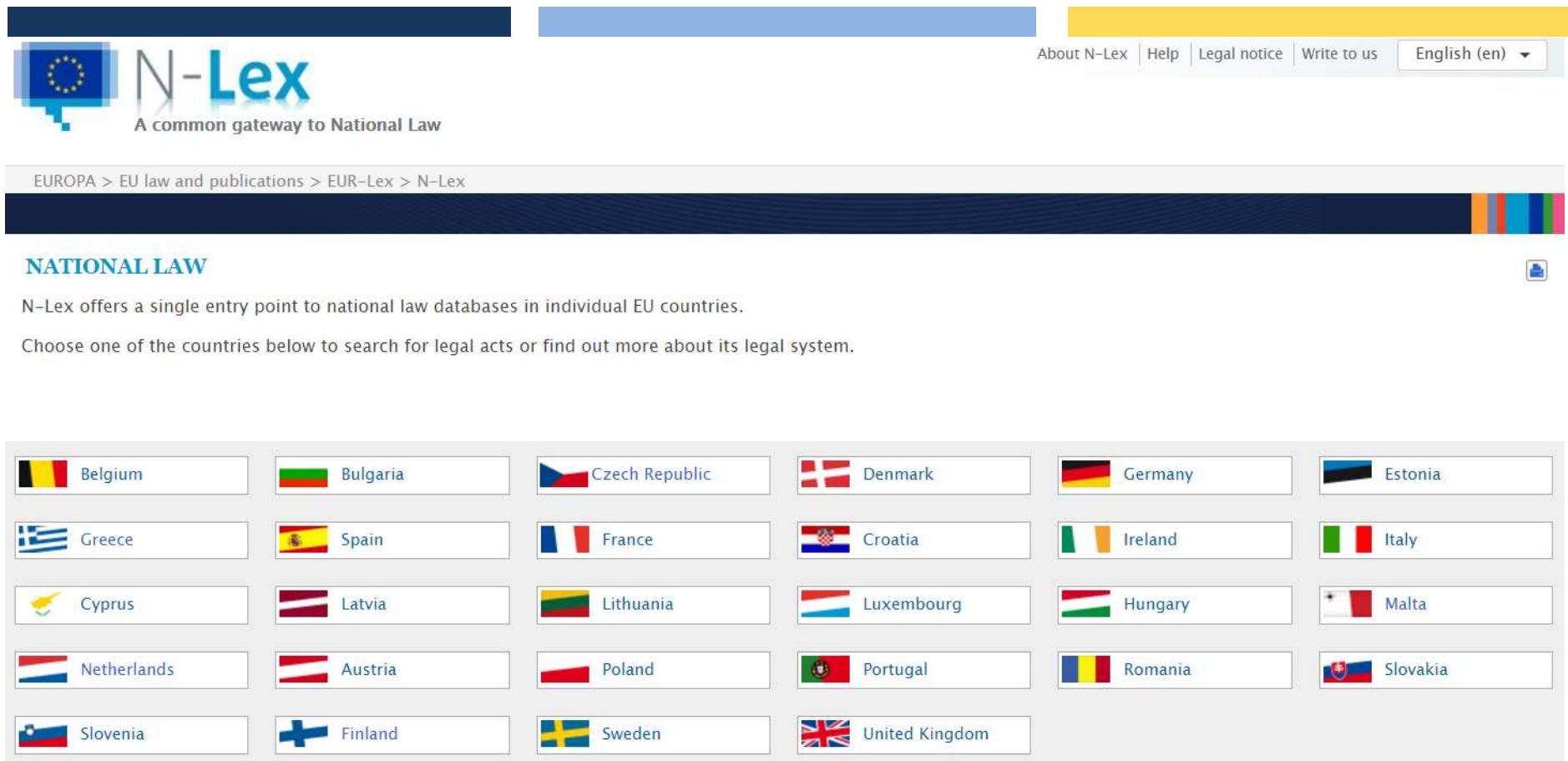
- All documents deleted after 24 hours or after delivery (on demand)
- Intellectual property rights transferred
(Your translation belongs to YOU!)

No one

looking

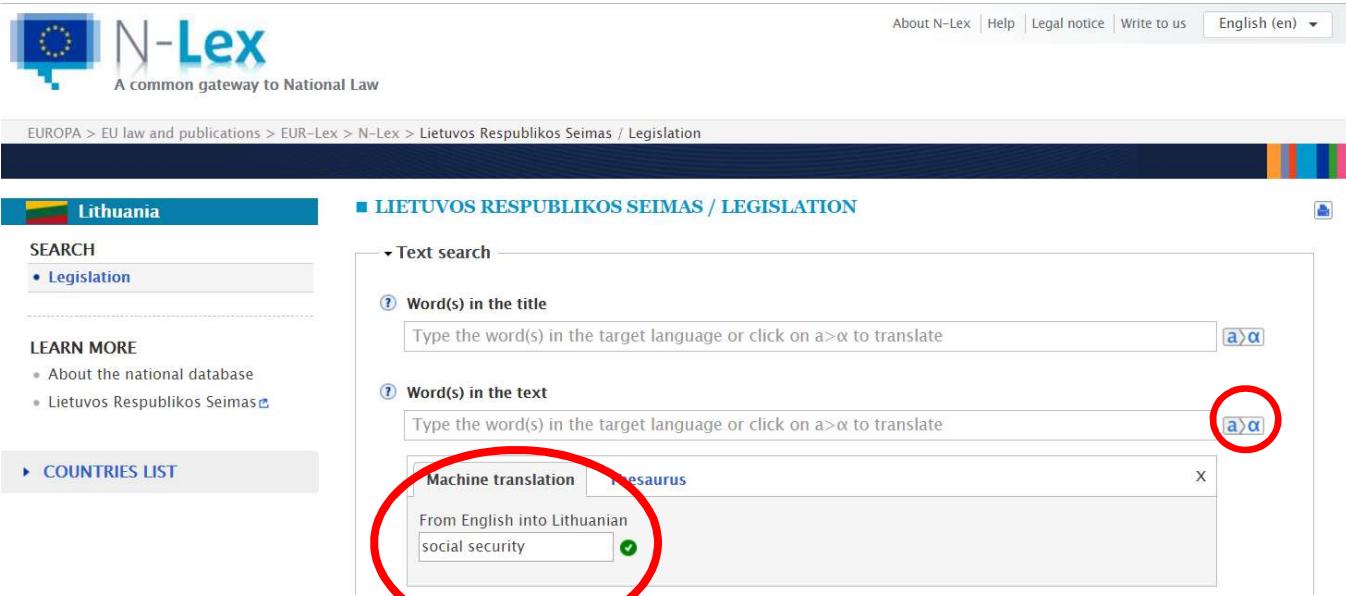
at your translations!

Machine-to-machine service eTranslation on the N-Lex portal



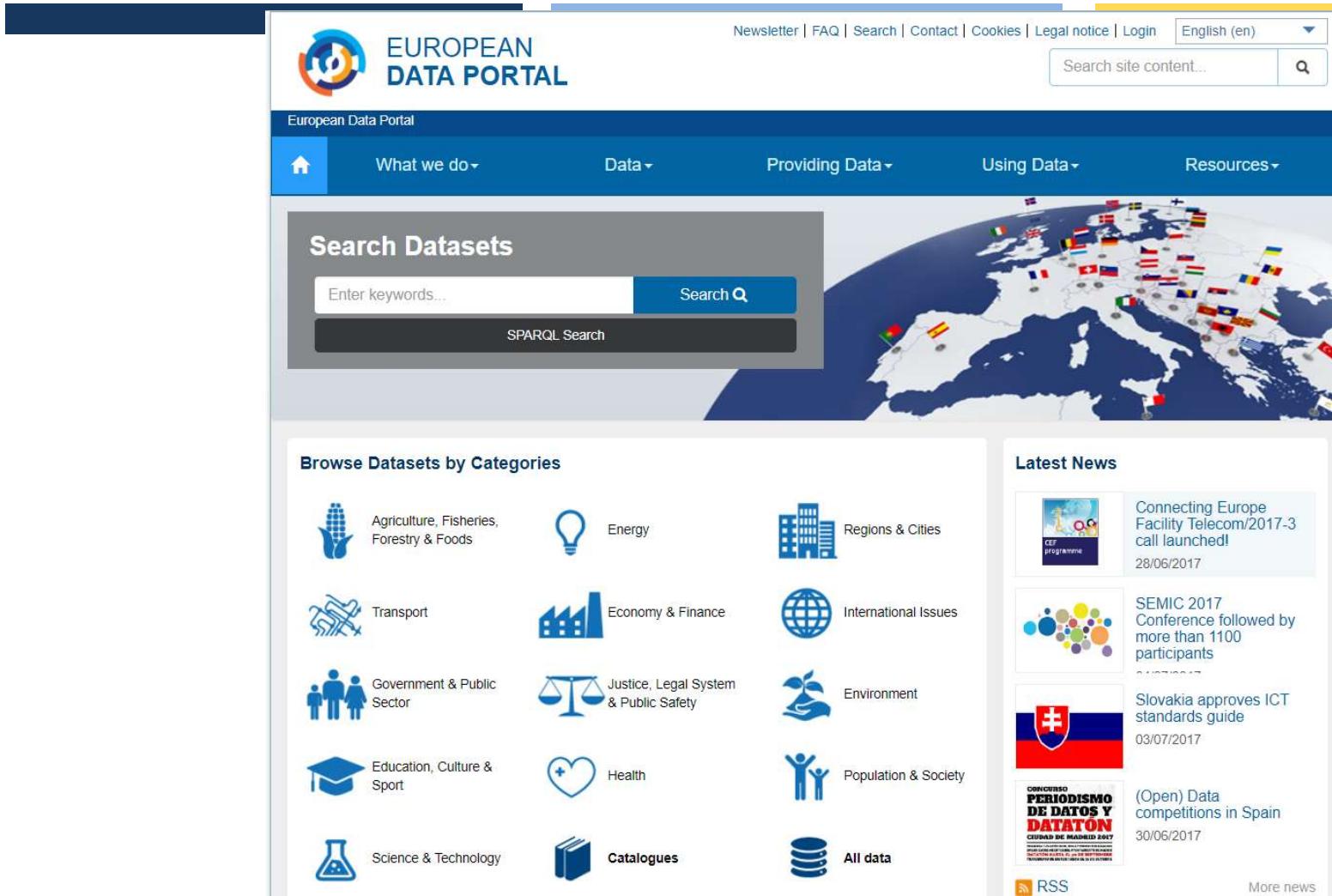
The screenshot shows the N-Lex portal homepage. At the top, there is a navigation bar with links to "About N-Lex", "Help", "Legal notice", "Write to us", and a language selector set to "English (en)". Below the navigation bar, the N-Lex logo is displayed, followed by the tagline "A common gateway to National Law". A breadcrumb navigation path is shown: "EUROPA > EU law and publications > EUR-Lex > N-Lex". On the right side of the header, there is a small graphic of the European Union flag. The main content area is titled "NATIONAL LAW" and contains a paragraph about N-Lex offering a single entry point to national law databases. It also says to choose one of the countries below to search for legal acts or find out more about its legal system. Below this text, there is a grid of 28 boxes, each representing a European country with its flag and name: Belgium, Bulgaria, Czech Republic, Denmark, Germany, Estonia, Greece, Spain, France, Croatia, Ireland, Italy, Cyprus, Latvia, Lithuania, Luxembourg, Hungary, Malta, Netherlands, Austria, Poland, Portugal, Romania, Slovakia, Slovenia, Finland, Sweden, and United Kingdom.

Machine-to-machine service eTranslation on the N-Lex portal



The screenshot shows the N-Lex portal interface for Lithuania. The left sidebar includes a search bar set to 'Legislation', a 'COUNTRIES LIST' button, and links for 'About the national database' and 'Lietuvos Respublikos Seimas'. The main content area displays the 'LIETUVOS RESPUBLIKOS SEIMAS / LEGISLATION' section. A 'Text search' panel is open, showing two input fields: 'Word(s) in the title' and 'Word(s) in the text'. Below these is a 'Machine translation' interface with tabs for 'Machine translation' and 'Thesaurus', currently set to 'From English into Lithuanian'. The word 'social security' is typed into the input field, and a green checkmark indicates it has been translated. A red circle highlights the 'a>α' button in the 'Text search' panel, and another red circle highlights the 'a>α' button in the 'Machine translation' interface. A red arrow points from the 'a>α' button in the 'Text search' panel to the 'social security' input field.

Machine-to-machine service eTranslation on the European Data Portal



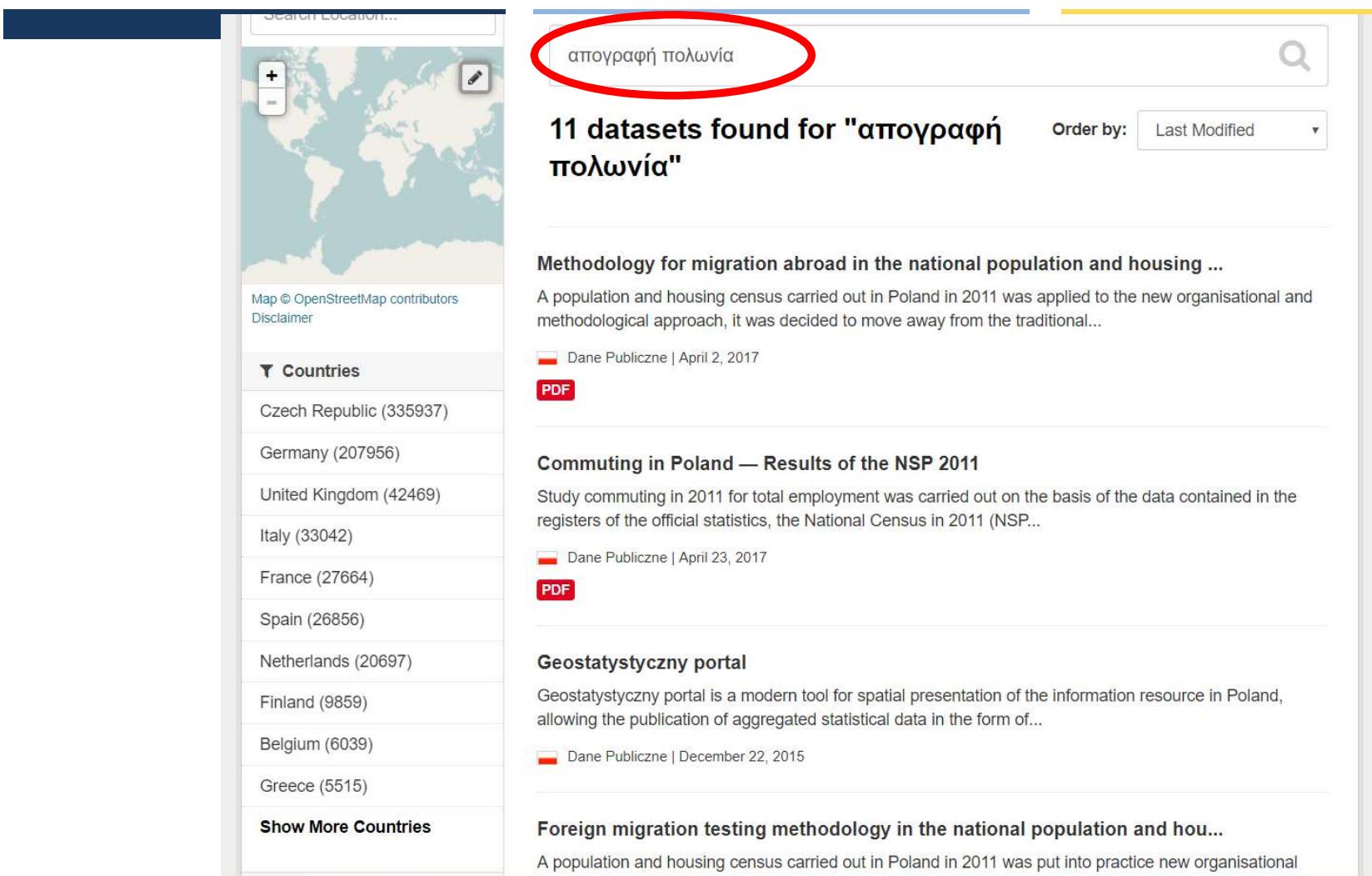
The screenshot shows the European Data Portal homepage. At the top, there is a navigation bar with links to Newsletter, FAQ, Search, Contact, Cookies, Legal notice, and Login, along with a language selector set to English (en). Below the navigation is a search bar with a placeholder "Search site content..." and a magnifying glass icon.

The main header features the "EUROPEAN DATA PORTAL" logo and a map of Europe with national flags. Below the header, there is a "Search Datasets" section with a search input field and a "Search" button, and a "SPARQL Search" button. The "What we do" menu is currently selected.

The page is divided into several sections:

- Browse Datasets by Categories:** A grid of icons and text labels representing different dataset categories:
 - Agriculture, Fisheries, Forestry & Foods
 - Energy
 - Regions & Cities
 - Transport
 - Economy & Finance
 - International Issues
 - Government & Public Sector
 - Justice, Legal System & Public Safety
 - Environment
 - Education, Culture & Sport
 - Health
 - Population & Society
 - Science & Technology
 - Catalogues
 - All data
- Latest News:** A list of recent news items:
 - Connecting Europe Facility Telecom/2017-3 call launched! (28/06/2017)
 - SEMIC 2017 Conference followed by more than 1100 participants (02/07/2017)
 - Slovakia approves ICT standards guide (03/07/2017)
 - (Open) Data competitions in Spain (30/06/2017)
- RSS:** An RSS feed icon.

Machine-to-machine service eTranslation on the European Data Portal



Search Location... 

11 datasets found for "απογραφή πολωνία" Order by: Last Modified ▾

Methodology for migration abroad in the national population and housing ...
A population and housing census carried out in Poland in 2011 was applied to the new organisational and methodological approach, it was decided to move away from the traditional...

Dane Publiczne | April 2, 2017 [PDF](#)

Commuting in Poland — Results of the NSP 2011
Study commuting in 2011 for total employment was carried out on the basis of the data contained in the registers of the official statistics, the National Census in 2011 (NSP...)

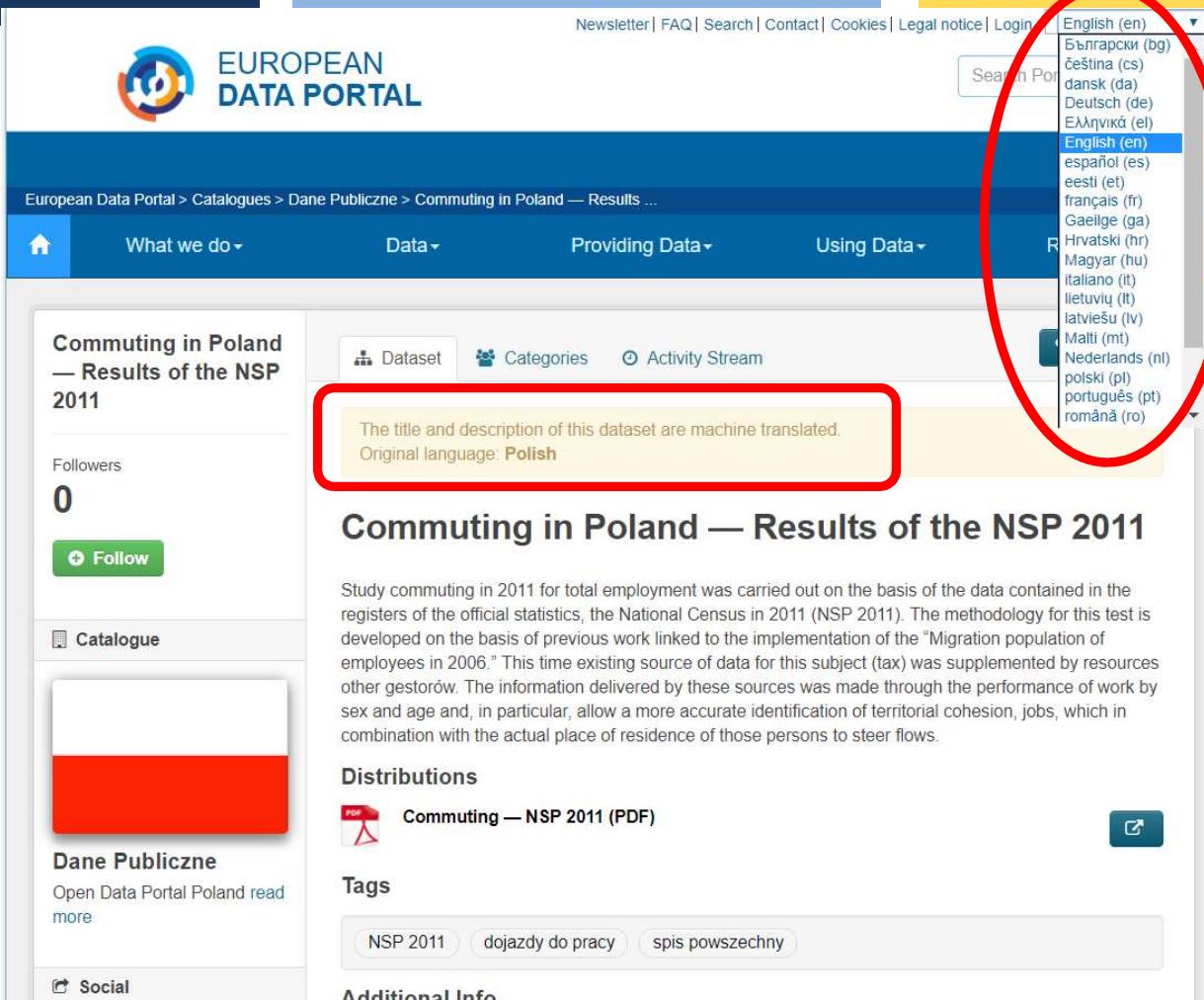
Dane Publiczne | April 23, 2017 [PDF](#)

Geostatystyczny portal
Geostatystyczny portal is a modern tool for spatial presentation of the information resource in Poland, allowing the publication of aggregated statistical data in the form of...

Dane Publiczne | December 22, 2015 [PDF](#)

Foreign migration testing methodology in the national population and hou...
A population and housing census carried out in Poland in 2011 was put into practice new organisational

Machine-to-machine service eTranslation on the European Data Portal



The screenshot shows the European Data Portal interface for a dataset titled "Commuting in Poland — Results of the NSP 2011". A red box highlights a message: "The title and description of this dataset are machine translated. Original language: Polish". To the right, a red circle highlights a dropdown menu showing language options, with "English (en)" selected.

Dataset Details:

- Title:** Commuting in Poland — Results of the NSP 2011
- Followers:** 0
- Catalogue:** Dane Publiczne
- Tags:** NSP 2011, dojazdy do pracy, spis powszechny
- Distributions:** Commuting — NSP 2011 (PDF)

Language Selection:

English (en)
 Български (bg)
 čeština (cs)
 dansk (da)
 Deutsch (de)
 Ελληνικά (el)
 English (en) **selected**
 español (es)
 eesti (et)
 français (fr)
 Gaeilge (ga)
 Hrvatski (hr)
 Magyar (hu)
 italiano (it)
 lietuvių (lt)
 latviešu (lv)
 Malti (mt)
 Nederlands (nl)
 polski (pl)
 português (pt)
 română (ro)

How to connect to eTranslation

- Open to DSIs and public administrations
 - Contact CEF-AT@ec.europa.eu with your request and use case
 - We will provide the technical documentation on how to connect
 - SOAP request or RESTful interface
 - Contact us for credentials
 - Adapt your service to multilingual use!

Behind the scenes: how it works

- Statistical Machine Translation

- MT@EC built only on "EU translations" (Euramis database)
- Covers all 24 languages
- Euramis (and MT@EC) cover EU policies, subjects and language but limited everyday language
- Moses-based engines
- Performs best when trained on **large volumes** of text pairs (source-translated) in **specific domains**

What is NMT?

- Machine learning: artificial neural networks trained on existing translations
- The computer devises its own rules on how to translate
- Radical departure from the phrase-based SMT approaches

Why is it important?

- Translations read better: more fluent and grammatical
- Better able to fill in gaps in data used for training
- Better for highly inflected languages (e.g. German, Hungarian)

This is where the field is headed

- Will SMT become obsolete?

Neural Machine Translation Engines

- EN into:

BG	CS	DA	DE	EL	ES	ET	FI	FR
GA	HR	HU	IS	IT	LT	LV	MT	NB
NL	PL	PT	RO	SK	SL	SV		

Neural Machine Translation Engines

- EN into:

BG	CS	DA	DE	EL	ES	ET	FI	FR
GA	HR	HU	IS	IT	LT	LV	MT	NB
NL	PL	PT	RO	SK	SL	SV		

Neural Machine Translation Engines

- EN into:

BG	CS	DA	DE	EL	ES	ET	FI	FR
GA	HR	HU	IS	IT	LT	LV	MT	NB
NL	PL	PT	RO	SK	SL	SV		

Since 24 June 2018

SMT vs NMT

Examples TBD

Original Text:

SMT:

NMT:

Source: EN

THE EUROPEAN COMMISSION,
Having regard to the Treaty on the Functioning
of the European Union,
[...]

HAS ADOPTED THIS DECISION:

Article 1

The total sum of greenhouse gas emissions
covered by Decision No 406/2009/EC for each
Member State for the year 2014 arising from
the corrected inventory data upon completion
of the comprehensive review referred to in
Article 19(1) of Regulation (EU) No 525/2013 is
set out in the Annex to this Decision.

Target: EL

ΤΗΝ ΕΥΡΩΠΑΪΚΗ ΕΠΙΤΡΟΠΗ,
Έχοντας υπόψη τη Συνθήκη για τη λειτουργία
της Ευρωπαϊκής Ένωσης,
[...]

ΕΞΕΔΩΣΕ ΤΗΝ ΠΑΡΟΥΣΑ ΑΠΟΦΑΣΗ:

Άρθρο 1

Η συνολική ποσότητα εκπομπών αερίων
θερμοκηπίου που εμπίπτουν στην απόφαση
406/2009/ΕΚ για κάθε κράτος μέλος για το
έτος 2014, όπως προκύπτει από τα
διορθωμένα στοιχεία της απογραφής κατά
την ολοκλήρωση της συνολικής εξέτασης που
πραγματοποιήθηκε δυνάμει του άρθρο 19
παράγραφος 1 του κανονισμού (ΕΕ) αριθ.
525/2013, ορίζεται στο παράρτημα της
παρούσας απόφασης.

Language resources: the key to success



- More data for all languages
- Better lexical coverage for all languages
- Machine translation adapted to your domain/subject matter

Future Improvements

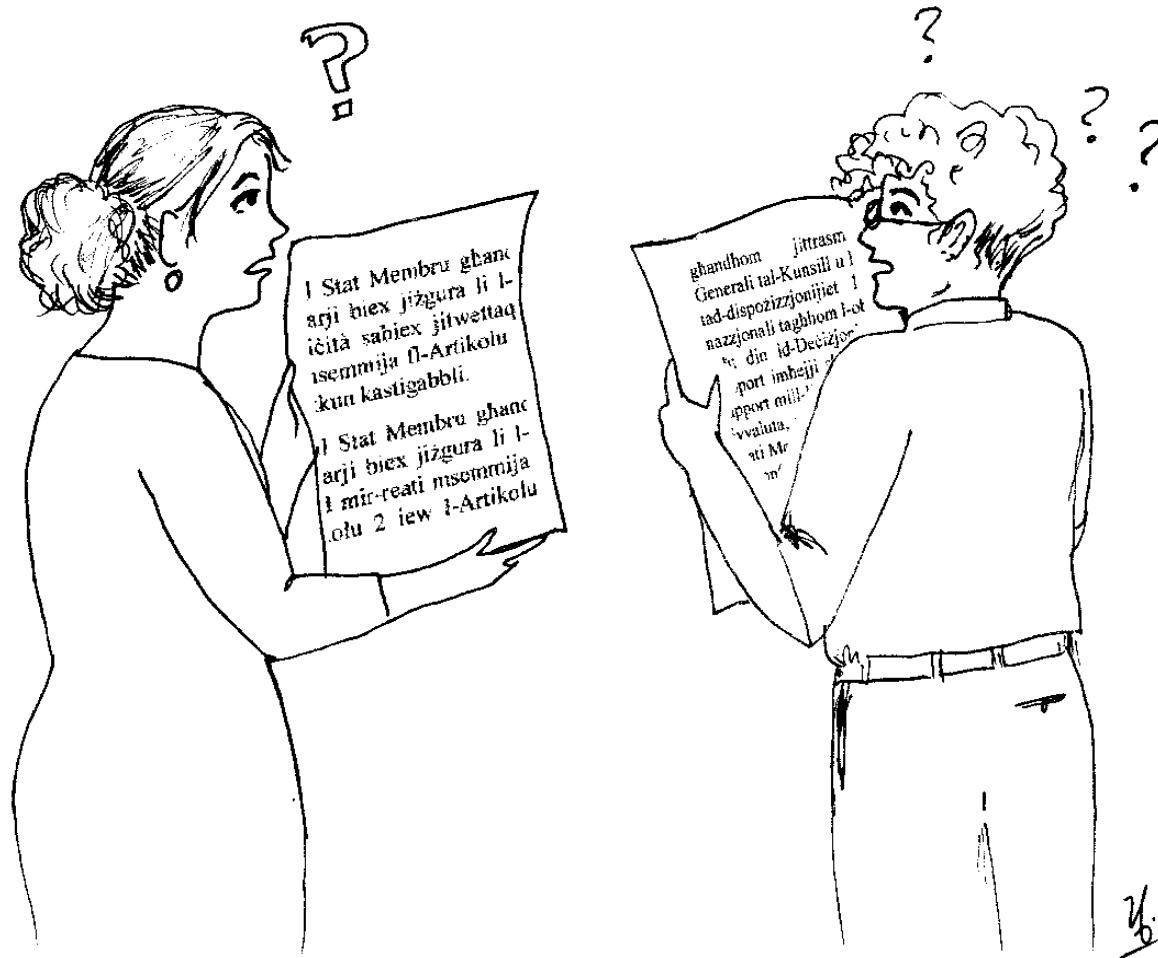
Requested by users such as EDP, e-Justice, Europeana, EESSI, ODR...

- Speed
- Transliteration
- More formats (PDF output, JSON)
- Named-entity recognition
- New languages (AR, RU, TR, ZH)

CEF.AT brings...

- Reliable and trustworthy translation for EU and National Public Administrations
- Support for languages with fewer speakers
- Opportunities for private sector, through grants and generic services
- A higher profile for language technologies, thus fostering demand
- Public availability of data collected by ELRC

Solve your language problems!



A graphic element featuring the European Union flag's blue background with twelve yellow stars in a circle. This circle is partially obscured by two sets of grey wavy lines that radiate outwards from the bottom left corner.

Connecting Europe
eTranslation

Ευχαριστώ!