



# How can public services benefit from the CEF.AT platform

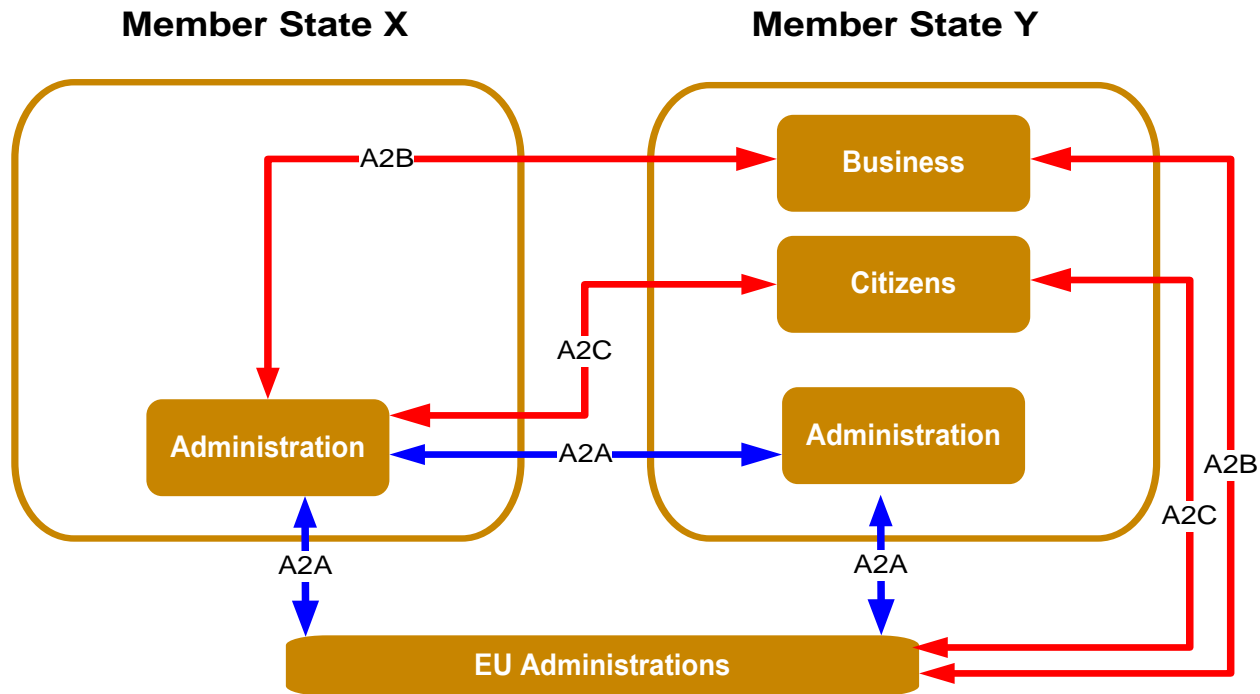
<Carmen Carabott f/Spyridon Pilos>  
<DGT-MT, MTUG>

<Valletta>, <26/02/2016>

## Public services and machine translation

- *Multilingualism and machine translation*
- *Now: MT@EC*
- *Next: CEF.AT platform*

# Interactions between actors in the Member States and the EU



- First type
- Second type

# Vision



Wouldn't it be great if I could start *using a public service*  
*in any Member State from any place*  
*and obtain the information in my mother tongue?*



# The role of Machine Translation

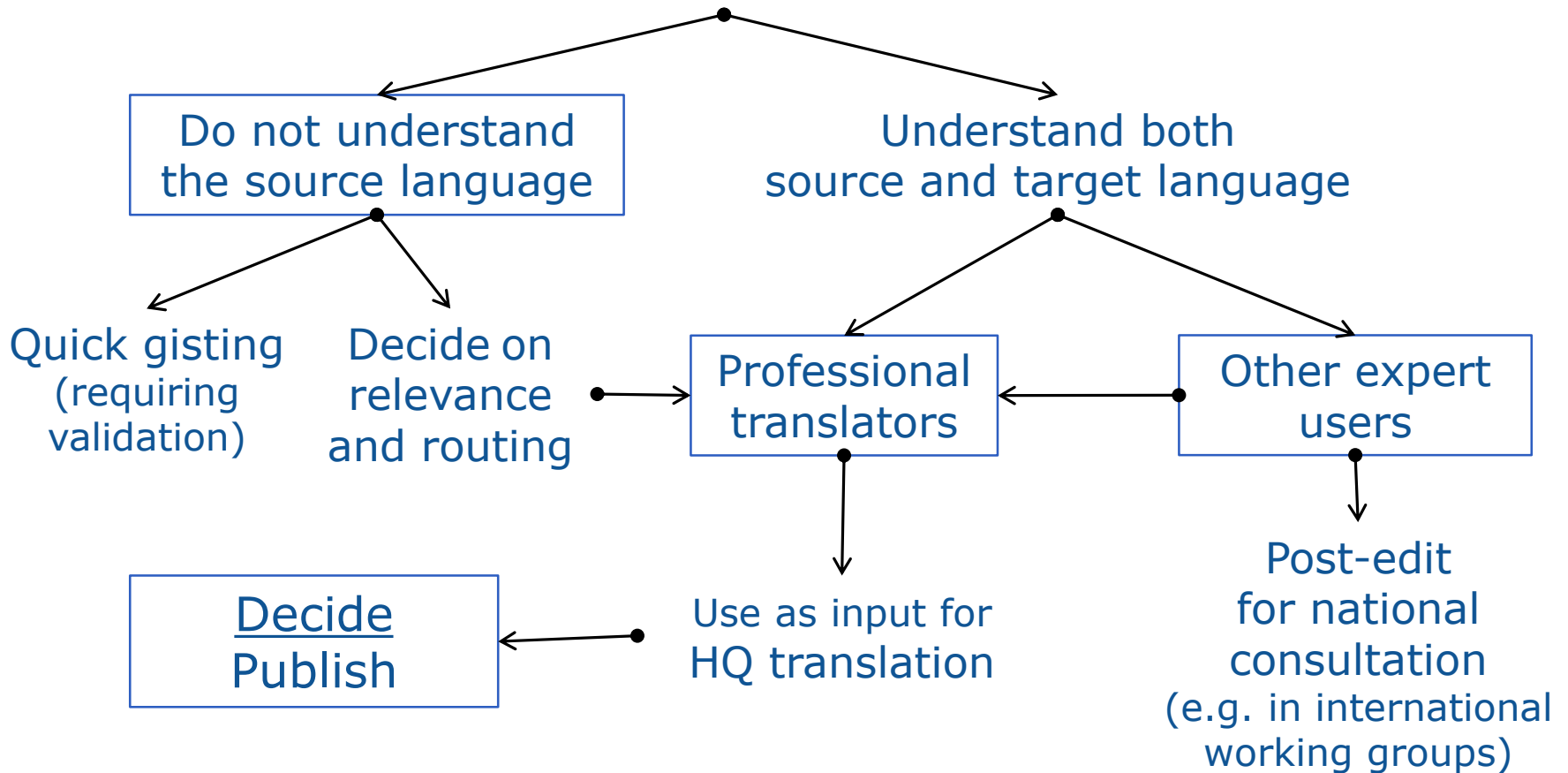
MT is the only viable solution for:

- quick and cheap **access to information** in foreign languages.
- understanding **information received** in a foreign language that otherwise could not be used or would require substantial time and costs to translate.
- making **multilingual use of websites** possible
- facilitating cross-lingual information **search** and **analytics**.

That is why machine translation (MT) is a **critically important technology for multilingual Europe**



# Machine Translation users



# MT@EC: already there for you!

**Released :** 26 June 2013

**Languages:** All directions between  
24 EU official languages

**Technology:** Statistical machine translation  
*using open source software Moses co-funded by  
EU Framework Programmes for research and innovation*

**Development by DGT** between 2010-2013  
*co-funded by the ISA programme (action 2.8)*

[http://ec.europa.eu/isa/actions/02-interoperability-architecture/2-8action\\_en.htm](http://ec.europa.eu/isa/actions/02-interoperability-architecture/2-8action_en.htm)

# MT@EC description

**Delivery:** - web user interface (human to machine)  
- web services (machine to machine)

## Special features:

- **User interface** in 24 languages
- Source document format/formatting **maintained** *[not for pdf]*
- Specific output **formats for translation:** tmx and xliff
- Translation can also be returned by **email**
- Can translate **multiple** documents to **multiple** languages
- Indication of **quality** for language pairs (using BLEU Scores)
- **Feedback** mechanism (using EU Survey)



# MT@EC security

- Secure hosting in the **EC data centre**
- Access through **ECAS** (EC Authentication Service)
- Secure document transfers :
  - over **sTESTA\***, a very secure private network between public administrations in the EU, separate from the internet
  - over the **internet** (through a secure **https** connection)

*\* You can check if your organisation has access to sTESTA on:  
<https://portal.testa.eu/jetspeed/portal/homepage/about.psml>.*



# MT@EC – Traduzzjoni Awtomatika

Kummissjoni Ewropea

Informazzjoni | Ir-reazzjonijiet | Għajnuna



Ittraduċi dokumenti

Ittraduċi test

It-talbiet ta' traduzzjoni tiegħi

Il-konfigurazzjonijiet tiegħi

Malti

Oħroġ mis-sistema

Agħzel mill-inqas fajl ta' sors wieħed:

Agħzel il-fajls...

JEW

Igbed il-fajls hawnhekk.

Ittraduċi minn...

Dropdown menu

Ittraduċi fi

Format tal-output:

L-istess bħas-sors | TMX | XLIFF

- Ibgħatli t-Traduzzjoni bl-email.
- Fassar wara li tniżżel.

Ittraduċi dokument

Fajls magħzulin



# MT@EC – Traduzzjoni Awtomatika

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Ittraduċi dokumenti

**Ittraduċi test**

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Il-konfigurazzjonijiet tiegħi

Malti

Oħroġ mis-sistema

Test għat-traduzzjoni:

Tul massimu: 4000 karattri.  
Fadal: 4000 karattri.

Passar

Ittraduċi minn...

Ittraduċi fi

- Ibgħatli t-Traduzzjoni bl-email.
- Passar wara li tniżżel.

Test tradott:

Agħzel kollox

Ittraduċi test

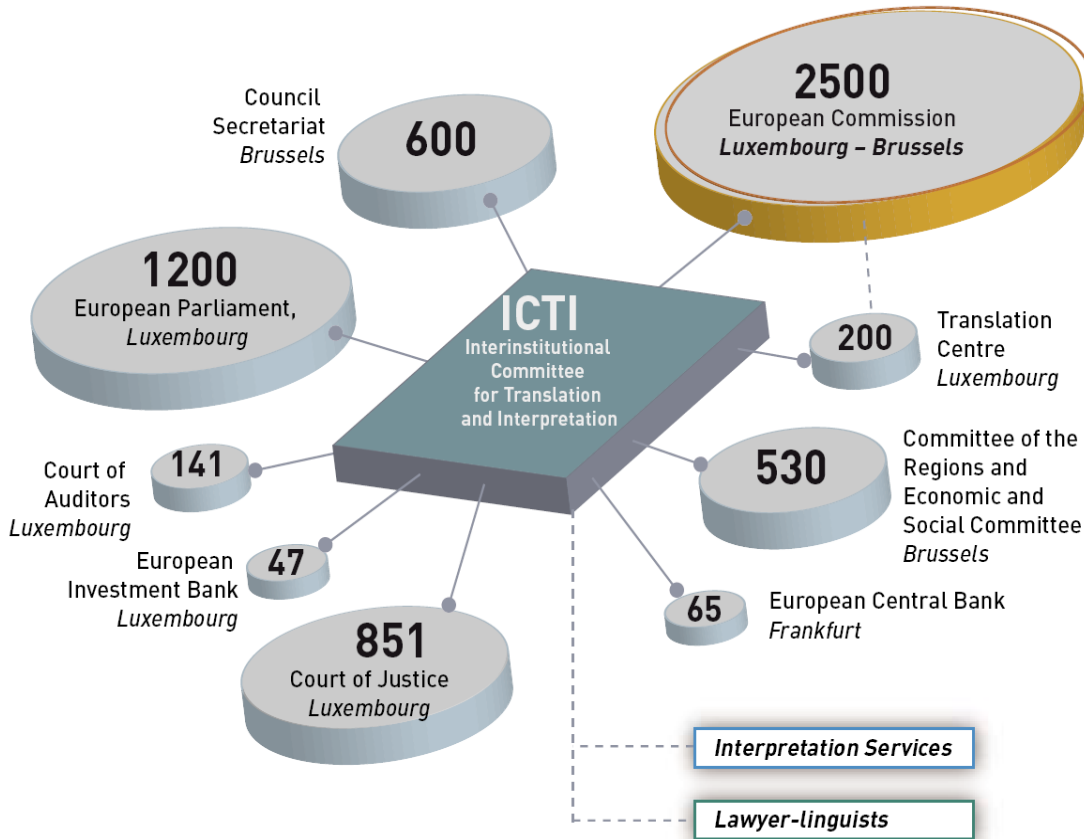
# Who can use MT@EC today ?

## → *European institutions and bodies:*

- |  |   |
|--|---|
| <ul style="list-style-type: none"><li>▪ Commission</li><li>▪ Parliament</li><li>▪ Council</li><li>▪ Court of Justice</li><li>▪ Court of Auditors</li></ul> | <ul style="list-style-type: none"><li>▪ Economic and Social Committee</li><li>▪ Committee of the Regions</li><li>▪ European Central Bank</li><li>▪ European Investment Bank, etc.</li></ul> |
|--|---|

→ *Online services funded or supported by the EU*

→ *Public administrations in the EU/EEA countries*



**Euramis**  
940 million sentences  
[end 2015]  
**Growing at 2.6 million per month**  
All 24 languages  
[different volumes]  
"EU documents"  
[EU subjects and language]

Interinstitutional cooperation on translation and interpretation

# Free access to **MT@EC** for public administrations staff

- Get an individual **ECAS** user name and password (self-registration) using your work email address.  
*[go to <https://webgate.ec.europa.eu/cas/eim/external/register.cgi> and follow the instructions]*
- Send an **email** to [DGT-MT@ec.europa.eu](mailto:DGT-MT@ec.europa.eu) asking for the activation of access to the service.
- DGT will activate your access and inform you by email.



# Online services **connected to MT@EC**

(status: January 2016)

Service	Description/URL/use
IMI	Internal Market Information System – an intranet for more than 7000 public administrations in the EU Member States <a href="http://ec.europa.eu/internal_market/imi-net/index_en.html">http://ec.europa.eu/internal_market/imi-net/index_en.html</a> → <i>free-text message exchange</i>
SOLVIT	An on-line problem solving network concerning misapplication of Internal Market law by public authorities. <a href="http://ec.europa.eu/solvit/">http://ec.europa.eu/solvit/</a> → <i>free-text message exchange</i>
nLex	A common gateway to National Law <a href="http://eur-lex.europa.eu/n-lex/">http://eur-lex.europa.eu/n-lex/</a> → <i>translate results of queries</i>
TED	Tenders Electronic Daily is the online version of the 'Supplement to the Official Journal' of the EU (European public procurement). <a href="http://ted.europa.eu/">http://ted.europa.eu/</a> → contract notices
CircaBC	Communication and Information Resource Centre for Administrations, Businesses and Citizens (collaborative spaces) <a href="https://circabc.europa.eu/">https://circabc.europa.eu/</a> → Translate documents

# IMI: One platform for many domains...



... for which you can already use MT@EC

## 23 modules in place



PROFESSIONAL QUALIFICATIONS



SERVICES

REQUESTS

REQUESTS

NOTIFICATIONS A

ALERTS

NOTIFICATIONS H

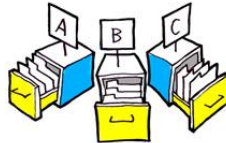
NOTIFICATIONS



POSTING OF WORKERS



CASH-IN-TRANSIT



REGISTERS



PATIENTS' RIGHTS



CULTURAL OBJECTS



EUROPEAN PROFESSIONAL CARD

REQUESTS

EPC APPLICATION

NOTIFICATIONS

REQUESTS

REQUESTS

REPOSITORY

REPOSITORY

REQUESTS

REPOSITORY

REPOSITORY



E-COMMERCE



TRAIN DRIVING LICENCES



SOLVIT CASES



PUBLIC PROCUREMENT



PROFESSIONAL QUALIFICATIONS

REQUESTS

REQUESTS

REQUESTS

ALERTS

NOTIFICATIONS

NOTIFICATIONS



## What next?

# from MT@EC... to the CEF Automated Translation platform

### CEF.AT will:

- build on the **existing** MT@EC service - but not be limited to it
- put emphasis on **secure, quality, customisable** MT for pan-European online services - but not be limited to them
- be a **multilingualism enabler** – not only MT

## What will CEF.AT bring to users?

- *Faster and more secure translation*
  - *More pan-European public online services offering machine translation and other multilingualism possibilities, adapted to the needs of their users*
- and**
- *Better quality translation in general*
  - *Translation for specific domains*  
*(starting with the domains relevant for the DSIs)*
- **More and better data** *are needed for all languages and for more domains.*

## Currently: Generic "EU" engines

- *MT@EC built on "EU translations" (Euramis)*
- *Euramis covers all 24 languages **but** with different volumes. (ranging from 97 million segments in EN, 58 M in FR to 2.8 M in Croatian and Irish (the rest between 22 and 38 M))*
- *Euramis (and MT@EC) covers EU policies, subjects and language **but** limited everyday language*
- *MT@EC covers many domains **but** there is currently no possibility to focus on any one of them. More "in domain" data are also needed.*

# Customisation for online services

*connecting to the CEF.AT platform (starting from MT@EC)*

Service	Description/URL/use
Europeana	The digital European Library, common, multilingual access point to digital resources of European heritage.
ODP*	The pan-European <b>O</b> pen <b>D</b> ata <b>P</b> ortal for accessing open data infrastructures distributed over a EU and MS data repositories.
EESSI	The <b>E</b> lectronic <b>E</b> xchange of <b>S</b> ocial <b>S</b> ecurity <b>I</b> nformation, a platform between 32 countries (EU+EFTA).
ODR*	The <b>O</b> nline <b>D</b> ispute <b>R</b> esolution platform for resolution of online contractual disputes between consumers and traders, linking all national Alternative Dispute Resolution (ADR) entities.
e-justice*	A portal which is a single point of access to law, enabling EU judicial cooperation.
SaferInternet	Services to make Internet a trusted environment for children.

\* *already connected to MT@EC (generic EU service)*



European  
Commission



Questions  
on [MT@EC](mailto:MT@EC)?  
[dgt-mt@ec.europa.eu](mailto:dgt-mt@ec.europa.eu)