



# **Horizon 2020 and Language Technology (LT) Connecting Europe Facility – Automated Translation (CEF AT)**

**Current actions  
Forthcoming opportunities**

**Kimmo Rossi, European Commission, CNECT.G3  
LTI Summit, Brussels, 18/05/2016**



# ***Language Technology in Horizon 2020***



## LT in H2020 (Call 1 – 2014)

ICT-17 (15 MEUR): *Cracking the language barrier*

- a) **One Research and Innovation action:** broad R&D clustering to address gaps in Machine Translation coverage and quality – **QT21**
- b) **Innovation actions** for language technology applications in real use situations – **HimL, MMT, TraMOOC**
- c) **Coordination and support actions:** benchmarking, evaluation, language resource federation – **LT Observatory, CRACKER**



## Examples of H2020 Big Data projects with significant LT dimension:

*ICT-15: Big/Open Data Innovation & take-up*

**FREME:** semantic enrichment of digital content

**Kconnect:** ML search for medical information

*ICT-16: Big Data – Research*

**SUMMA:** media analytics Big Data platform

*ICT-22a: Natural human-computer interaction*

**KRISTINA:** IA for migrant patients and caregivers

**ARIA-VALUSPA:** personalised virtual agents with linguistic/social capabilities

# ***CEF Automated Translation***

## *Current activities*

## *Forthcoming opportunities*

## **CEF AT in 2014 WP (4 MEUR)**

### **a) In-house development & deployment of the core MT platform (MT@EC)**

- domain adaptation pilots for most "urgent" CEF DSIs
- preparing for more automation of MT trainingS

### **b) Requirements study:** what are the linguistic needs of CEF DSIs?

### **c) European Language Resource Coordination (ELRC):** setting up LR networking between 30 Member States of CEF, country workshops, raising awareness, promoting best practices

## **CEF AT in 2015 WP (8 MEUR)**

### **a) Call for tender SMART 2015/1091**

- closing date 23/5/2016
- LOT1: LT evaluation for CEF DSI use cases
- LOT2: LR coordination, repository, deepening collaboration with MS's
- LOT3: purchasing "deficient" LR's

**b) Cloud infrastructure:** FC concluded at the end of 2015, trials ongoing in-house

**c) Support activities:** FC's for common portal, awareness, publicity, governance...

## **CEF AT in 2016 WP (9.5 MEUR)**

### **a) Core platform – deployment** (procurement, 3 M)

- engines factory
- up-scaling, operations, programme support
- details of implementation remain to be confirmed

### **b) Generic services** (grants, 6.5 M)

Call for proposals **CEF-TC-2016-3** opens 13/9/2016, with two action lines:

1. Collaborative projects on LR collection with/by/in Member States
2. Collaborative projects to **integrate** CEF automated translation into (multilingual, cross-border) digital services



## Disclaimer:

This presentation is for information purposes only. The only authentic source of information is the official, adopted work programme and the relevant Call Page at the INEA web site <https://ec.europa.eu/inea/en/connecting-europe-facility/cef-telecom/apply-funding/2016-cef-telecom-calls-proposals>. In case of discrepancies between this presentation and the information in the INEA call pages, the latter will prevail.

# Call for proposals **CEF-TC-2016-3**

## **A big opportunity for LT providers/LSPs/MSs**

- practical deployment projects: no research/development
- working with users and DSI owners/operators
- non-prescriptive WP description: leaves many options open for creative thinking
- applicant-friendly proposal process (technical description: max. 30 pages)
- call entirely managed by INEA:  
<https://ec.europa.eu/inea/>

# Call for proposals **CEF-TC-2016-3**

## **What can be done under the "LR" line:**

- work with Member States to identify, collect, process, test **language resources** for pan-European public online services
- build on the networking and awareness-raising already done in the ELRC context ([www.lr-coordination.eu](http://www.lr-coordination.eu)) – involve the National Anchor Points (NAPs) in the MSs
- the objective is practical – not academic: how to improve quality and coverage of automated translation especially in the public sector use cases relevant for CEF

# Call for proposals **CEF-TC-2016-3**

## **What can be done under the "integration" line:**

- work on specified public digital service(s), integrating automated translation, using (and extending) CEF AT
- partnership should include early adopters and operators of CEF DSIs – do not work in isolation!
- however, the scope is not limited to CEF DSIs – even integration to commercial services (e.g. multilingual eCommerce) is possible, if this promotes the Digital Single Market and is relevant for CEF
- demonstrate how a relevant digital service, successfully piloted/operated in one MS, can be rolled out to other MS's by making it multilingual with CEF AT

# Call for proposals **CEF-TC-2016-3**

## **Caveats – points to keep in mind:**

- Each proposer needs to obtain the **agreement** of its Member State (signature&stamp on form A2.3) (p. 61 of 2016 WP – Annex 2)
- All generic services projects are expected to make use of **eDelivery** for the purpose of (secure) document delivery (p. 32 of 2016 WP)
- Projects are expected to be lean and fast (duration: 12-24 months) (p. 34 of 2016 WP)
- Consortium: *at least* 3 organisations based in 3 *different* Member States and/or EEA countries participating in the CEF Telecom programme (p. 34 of 2016 WP)

# Sources of information

Work programme, call for proposals text, guide for applicants, submission forms, FAQ etc.:

<https://ec.europa.eu/inea/en/connecting-europe-facility/cef-telecom/apply-funding/2016-cef-telecom-calls-proposals>

CEF Digital portal:

<https://ec.europa.eu/cefdigital/wiki/display/CEFDIGITAL/CEF+Digital+Home>

CEF Automated Translation in the CEF Digital portal:

<https://ec.europa.eu/cefdigital/wiki/display/CEFDIGITAL/eTranslation>

MT@EC – the starting point for CEF Automated Translation

[http://ec.europa.eu/dgs/translation/translationresources/machine\\_translation/index\\_en.htm](http://ec.europa.eu/dgs/translation/translationresources/machine_translation/index_en.htm)

European Language Resources Coordination (ELRC)

<http://lr-coordination.eu/>