

# Update on European Commission activities relevant to language technologies

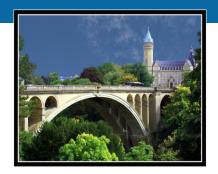
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LT Innovate summit, 26 June 2013







# The Communication Networks, Content & Technology Directorate General (DG CONNECT)

#### **Directorate G - Media and Data**

G1: Converging Media and Content G2: Creativity

G3: **Data Value Chain** 

G4: Inclusion, Skills and Youth G5: Administration and Finance

#### Who are we?



#### **Unit CNECT.G3 – Data Value Chain**

Resulted from merging three units in July 2012:

- Language technologies (language data)
- Information management (big data, linked data)
- Access to information (open data, open access)

Manages a portfolio of 120 research & innovation projects with € 300m+ EU funding, 1500 FTE

Responsible for: European Data Value Chain strategy & Open Data policy (includes PSI Directive)

#### Who are we?



## European Data value chain strategy

Objective: to put in place the "systemic" prerequisites for effective use & re-use of data through:

- infrastructures: Open Data Portal, service infrastructure (CEF), evaluation platforms, incubators
- legal framework: PSI directive (open government data), data protection, copyright
- Enhancing capacities and skills: build and multiply the "new" competences, curricula, prize/recognition schemes
- Funding research & innovation: pilots, demonstrators demonstrating the above in real-world problem settings, market validation



# Relaunch of funding of LT in 2008 Total funding since then: € 160m Funding areas:

- Practical pilot projects
- Close-to-market solutions for and by SMEs for pooling, sharing and us of language resources
- New architectures for MT
- Language resources
- Automatic mining and processing of LR
- Multi-lingual/ cross-lingual analytics/ multi-modal analytics
- Natural spoken interaction
- Open source provision
- Standardisation and exchange of best practice

# **Instruments**



## Making it happen

Research and innovation:

Horizon 2020 funding programme – brings together the former FP7 (research) and CIP (innovation) programmes

 Big Data analytics, prediction, MT: cross-language and cross-sectoral (industrial) validation, capacity-building

Deployment through digital service infrastructures: Connecting Europe Facility (CEF)

 Automated translation, language resources & tools repository, open data

Policy and regulation: PSI directive, privacy, copyright

### **CEF**



**Making it happen:** Deployment through digital service infrastructures – building block for automated translation

#### Requirements of the digital service infrastructure

- language resources
- processing tools and APIs
- storage space for TMs, LRs, translation models, MT engines
- processing capacity for MT training, MT operations
- connection capacity (bandwidth)
- maintenance, curation, validation, quality control
- technical helpdesk
- legal clearance

### **CEF**



**Making it happen:** Deployment through digital service infrastructures – building block for automated translation

- CEF to focus on building blocks enabling other digital service infrastructures: automated translation, e-identification, electronic delivery of documents etc.;
- Automated translation building block must be ready for practical results and sufficient quality in "not too distant future";
- Should aim at providing translations into the 23 official languages;
- Shall focus on automated translation paired with language resources, tools, APIs

# **Instruments**



**Making it happen:** Deployment through digital service infrastructures – building block for automated translation

#### **Next steps:**

- Adoption of the legal framework for CEF
- Put in place institutional set-up for a (provisional) administration of CEF funds
- Prepare work programme defining the funding priorities
- Preparation and launch of first calls for tender/ grants
- Complementary work on securing additional funding in order to complement CEF (national funding, EU structural funds)

# **Instruments**



**Making it happen:** Deployment through digital service infrastructures – building block for automated translation

#### **How: Public procurement/ calls for tenders**

Key features (as different from with research funding):

- Commission specifies exactly what it wants to procure and sets selection and evaluation criteria;
- Commission details contractual deliverables;
- Evaluation of tenders by Commission staff;
- Evaluation on the basis of value for money based on the selection and evaluation criteria;
- Payment conditional upon acceptance of deliverables by Commission.

#### **CEF**



**Making it happen:** Deployment through digital service infrastructures – building block for automated translation

- Have demonstrator and showcase examples ready
- Keep on innovating



# Thank you!

http://cordis.europa.eu/info-management
http://cordis.europa.eu/fp7/ict/language-technologies/
https://ec.europa.eu/digital-agenda/en/public-sectorinformation-raw-data-new-services-and-products