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INFSO.E.1

-> CNECT.G.3

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new programmes 2014-2020

- research (H2020)
 - innovation (H2020)
 - infrastructure (CEF)



The new programmes (2014-2020)

Horizon 2020 (H2020) - research & innovation

Connecting Europe Facility (CEF) - pan-European service platforms/service infrastructure

Both have the status of legislative proposal, adopted by the European Commission and addressed to the "legislators" (the Council and EP)



H2020 (2014-2020):

- **budget (EC proposal): 80 B, ~20% for ICT**
- **research & innovation**
 - excellent science (ERC, FET, research infra)
 - *industrial leadership* (most mainstream ICT themes)
 - societal challenges (e.g. health, ageing, education...)
- **access to risk finance**
 - consists of Debt Instrument and Equity Instrument
- **innovation in SMEs: dedicated SME instrument**
 - funding & financing early stage high risk research and innovation, stimulating break-through innovation, commercialisation of research results



H2020 ICT part

EC proposal sets out 6 activity lines, expected to cover the full range of needs:

- new generation of components & systems
- next generation computing
- future internet
- **content technologies and information management**
- advanced interfaces and robotics
- micro- and nanoelectronics, photonics



H2020 ICT part – Content technologies and information management

Proposed objectives and content:

- provide new tools to create, exploit and preserve content **in any language**
- provide new tools to model, analyse and visualise vast amounts of **data**
- new technologies for **language**, learning, interaction, preservation, content access and analytics
- IIM systems based on **advanced data mining, ML, statistical analysis** and visual computing



H2020 What happens now & next

- **on-going discussions with Council & EP**
 - outcome depends on concomitant discussion of *MFF* (= money for all EU policies)
 - so far, support for H2020 & ICT
- **scope of individual ICT themes is not decided**
 - stakeholder consultations will be launched after summer 2012
- **early orientations by Q1 2013**
 - first series of calls towards Q4 2013



CEF (2014-2020):

- **TEN model:** pan-European, public-interest infrastructures
- 3 pillars: Transport, Energy & ICT (new, 9 B proposed)
- for ICT: (i) Broadband & (ii) ***Digital Service Platforms***
 - eGovernment services, eHealth, eCulture...
 - **Multilingual Access to online Services** (new)
 - Open Data Portal (data.eu)
- discussions on-going with Member States (Council working parties) and European Parliament, update in the autumn
- discussions have been positive and constructive; main challenge is effective communication, concrete illustration of needs, benefits, features, implementation...



CEF Multilingual:

"... enable providers of online services to offer their content & services in as many EU languages as possible, in a most cost effective way."

addressing:

- **public services** esp. eGovernment, eHealth, eCulture, Open Data portals
- **commercial services** eg eCommerce
- where appropriate, **user-generated content** (social media)



- less than 40% of Europeans (outside UK, IE) understand English, less than 10% *accept to use* online services in English
- multilingual services are necessary to:
 - unify the EU online market – from 20+ “sub-markets” to one single market of 500+ million consumers
 - enable the provision of public services across national borders
 - unleash the power of global online communities



"Core platform" (75-100% EU funding)

technical & service infrastructure:

hw/sw facilities; technical standards & APIs; service & legal provisions; user registration & help-desk; developers' accreditation & support...

basic resources:

aggregation, harmonisation & curation of 3rd parties' language data & tools, to be made freely (?) available as *building blocks* for the **development** of generic & specific services

provision of services:

hosting and/or pass-through platform for the **operation** of generic services



"Generic services" (75% EU funding)

co-developed services enabling administrations & businesses to deliver their own integrated solution

- "horizontal" (sort of middleware), in support of other CEF domains
- "vertical" i.e. as proposed by industry & member states

in areas such as

- automated translation (to *understand* content)
- multilingual information access, cross-lingual web mining (to *find* content)
- content management solutions (to *embed* content & create value-add services)
- ...



Thank you!

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