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European Commission

INFSO.E.1
-> CNECT.G.3

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Upcoming

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)

Upcoming

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

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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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