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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