Public-Private Partnership on Future Internet: Europe showing the way

Future Internet Forum of Member States
Stockholm (Sweden), 23 November, 2009

Presentation made on behalf of DG INFSO Directorates D and F

Mário Campolargo
European Commission - DG INFSO
Director, Emerging Technologies and Infrastructures

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communication on FI PPP

COMMISSION OF THE EUROPEAN COMMUNITIES

Brussels, 28 October 2009
COM(2009) 479 final

COMMUNICATION FROM THE COMMISSION TO THE EUROPEAN PARLIAMENT, THE COUNCIL, THE EUROPEAN ECONOMIC AND SOCIAL COMMITTEE AND THE COMMITTEE OF THE REGIONS

A public-private partnership on the Future Internet

www.future-internet.eu

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FI PPP: overall goals

- Leverage the internet infrastructure as an open, secure and trusted platform (holistic/system perspective)
- Improve the inter-linkages between technologies and applications
- Make business processes and operation of infrastructures and applications more efficient
- Foster cross-sector industrial partnerships
- Address regulatory and policy issues
- Maximise the societal benefit through involvement of end-users, civil society/consumer organisations at local, regional and national levels

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Smart Energy

Smart Living

Smart Health

Smart Transport

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closing gap R&D / innovation

- Going beyond an “R&D model only”
- Leveraging early results of running efforts
- Moving from a “technology push” to a “market/user” pull
- Reinforcing the links with key EU policies
- Engaging bold industrial commitment
- Bringing users into the picture
- Involving more closely Member States

a clear view regarding current “gaps” is key to the success of the Future Internet PPP

opportunities / mega-trends

More INTELLIGENCE

How to take advantage of the wealth of information available real-time from a multitude of sources to make more intelligent choices?

Turning data into value

More FLEXIBILITY

How to make organization and systems just as dynamic as today's most innovative businesses?

Leveraging the value of "networked"

More EFFICIENCY

How to face our collective responsibilities:

- *Traffic jams costs Europe 135 B€/yr*
- *40 to 70% of electricity is lost in inefficient grids...*

Getting green and sustainable

Opportunity: making key societal infrastructures and business processes more intelligent and sustainable through tighter integration with the Internet.

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a strong momentum

- Stockholm: among first smart traffic system
- Amsterdam: mobility and energy intelligent management
- Malta: early adopter of smart grid
- Malaga: energy intelligent connected grid
- Nice: waste management through capillary nets;
- Venice: tourism
- Luxembourg
- ....
- Coming soon: Hamburg, Lisbon, Santander, ...
- Leading infrastructure deployment... but applications...

➡ New “smart” applications becoming major test cases for key emerging internet technologies

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technologies available

- Devices
  - Smart Phones
  - Sensors
- True Mobile Broadband
  - LTE
- Enabling Capabilities
  - Real Time Context Based analytics
  - Real Time Social Networking
- Cloud services
- Secure & Trusted environments

- New Business Models
- New social opportunities
- A plethora of end-user created personalized mobile applications
- Users empowered
- New ways of enterprises relating to their customers, employees and partners
- New Business Processes

FI technologies deployment to smart systems/infrastructures is very promising

➲ **virtuous circle technology/applications**

deliverables

- The result should be a generic and open communication and services platform… standardised and providing cross sector services through common enablers…
- Multiple use case scenarios considered. It is anticipated that Internet-enabled smart infrastructures and processes require at least to capitalise on:
  - Sensor Networks
  - Cloud like service infrastructures
  - Wireless capabilities
- Benefit: open to “user” driven innovation through multiplicity of Use Cases

building a partnership

- Operators, service developers and equipment manufacturers
- Public stakeholders and utilities
- Industry core group deriving from the ETP's
- Need to bring in research centers
- Engaging actors in sectors such as healthcare, mobility, environment and energy management
- Public contribution is key (openness requirements, infrastructure support…)
- Eventually engaging users in validation phases

EU action on the PPP

- Develop the work programme and the specific evaluation and modus operandi in cooperation with industrial stakeholders
- Use the mechanisms of the current Framework Programme
- Allocate €300m under the upcoming ICT work programme covering the period 2011-2013
- Commission expects industry to define a focused PPP content by early-2010
- Member States primarily involved through the Future Internet Forum to help refine policy/usage requirements
- Review of legal and governance structures of JTIs: towards a more formal instrument “a la JTI”?

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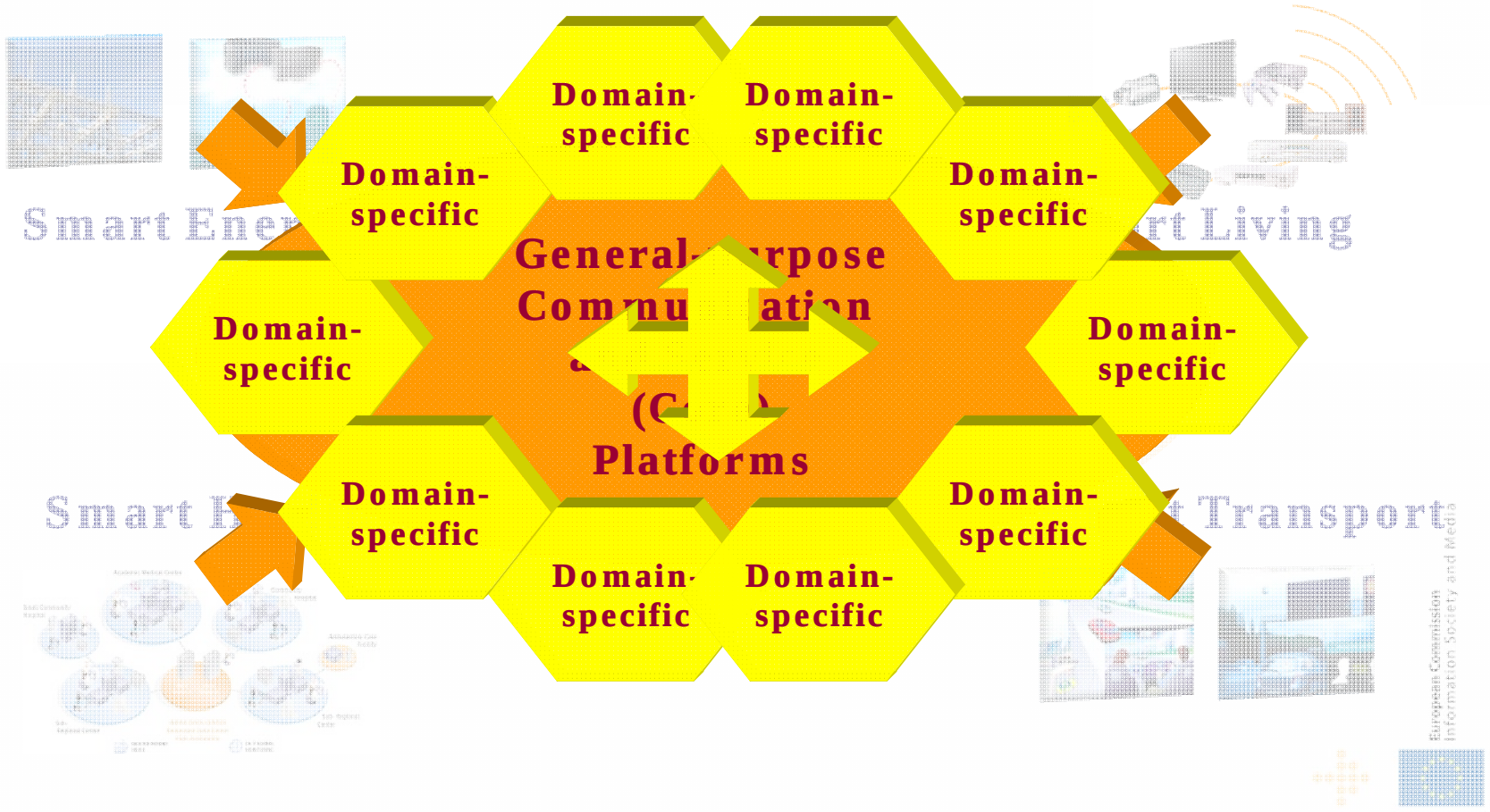
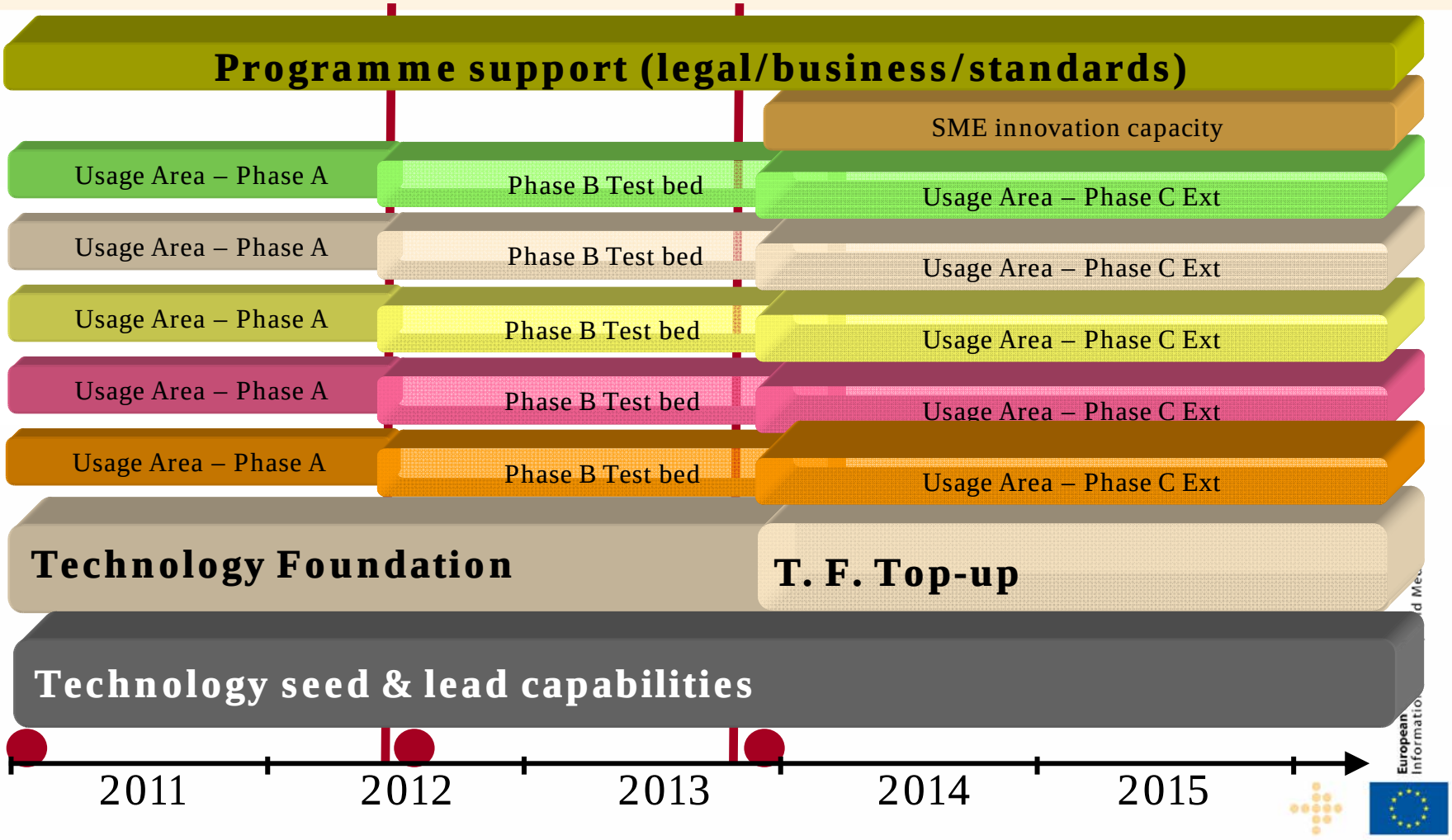


FI PPP milestones

- October 2009: **adoption** of the FI PPP
  - €300M in ICT WP 2011-2013
  - advancing Europe's industrial know-how
  - supporting Future Internet-enhanced applications
- December 2009: draft contribution to the **WP**
- April 2010 (Valencia): **Presidency event** - PPP Announcement – Council conclusions
- July 2010: WP **Call Launch**, specific evaluation criteria
- January 2011: Projects **Start** Date

FI PPP possible structure



draft implementation roadmap

- **Call 1 (mid 2010) – budget 70 MEuro**
  - Technology Foundation (up to 4 years)
  - Technology seed & lead capabilities (up to 4 years)
  - Usage Areas – Phase A (X areas) (18 months)
  - Programme support (up to 4 years)
- **Call 2 (3rd quarter 2011) – budget 100 MEuro**
  - Build Testbeds – Phase B (X areas) (2 years)
- **Call 3 (mid 2012) – budget 130 MEuro**
  - Enlargement of Testbeds – Phase C (X areas)
  - Technology foundation backbone – top-up
  - SME Open Innovation (2 years)

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