

# The Future Internet PPP - overview

Future Internet PPP Information Day  
Brussels, 8 July 2010

Franco Accordino  
Assistant to Director  
Emerging Technologies and Infrastructures  
European Commission - DG INFSO



# ICT Work Programme 2011- 12

- Total available budget: € 2.4 billion
- 8 Challenges + FET
- Challenge 1 represents a major share ( $\approx 25\%$ )
- Future Internet - 2 strands under Challenge 1

## Mainstream research Continuity with new aspects

Future networks, networked  
media, sensor platforms, services  
& clouds, trust & security, FIRE  
experimentation, ...

## FI-PPP

Closing the gap  
between research  
and innovation



# The FI-PPP Concept

## 1. Large scale projects

→ Integration will not happen in many small projects

## 2. Complexity requires flexibility

→ Create a phased approach

## 3. Systematic programme approach

→ Projects have clearly identified roles in a bigger puzzle

→ Collaboration and synchronisation is key to success

## 4. Facilitate open sharing of project foreground

→ IPR issues must not hinder collaboration

## 5. Integrate application sector competences with ICT competence

→ The PPP target is to enhance all sectors

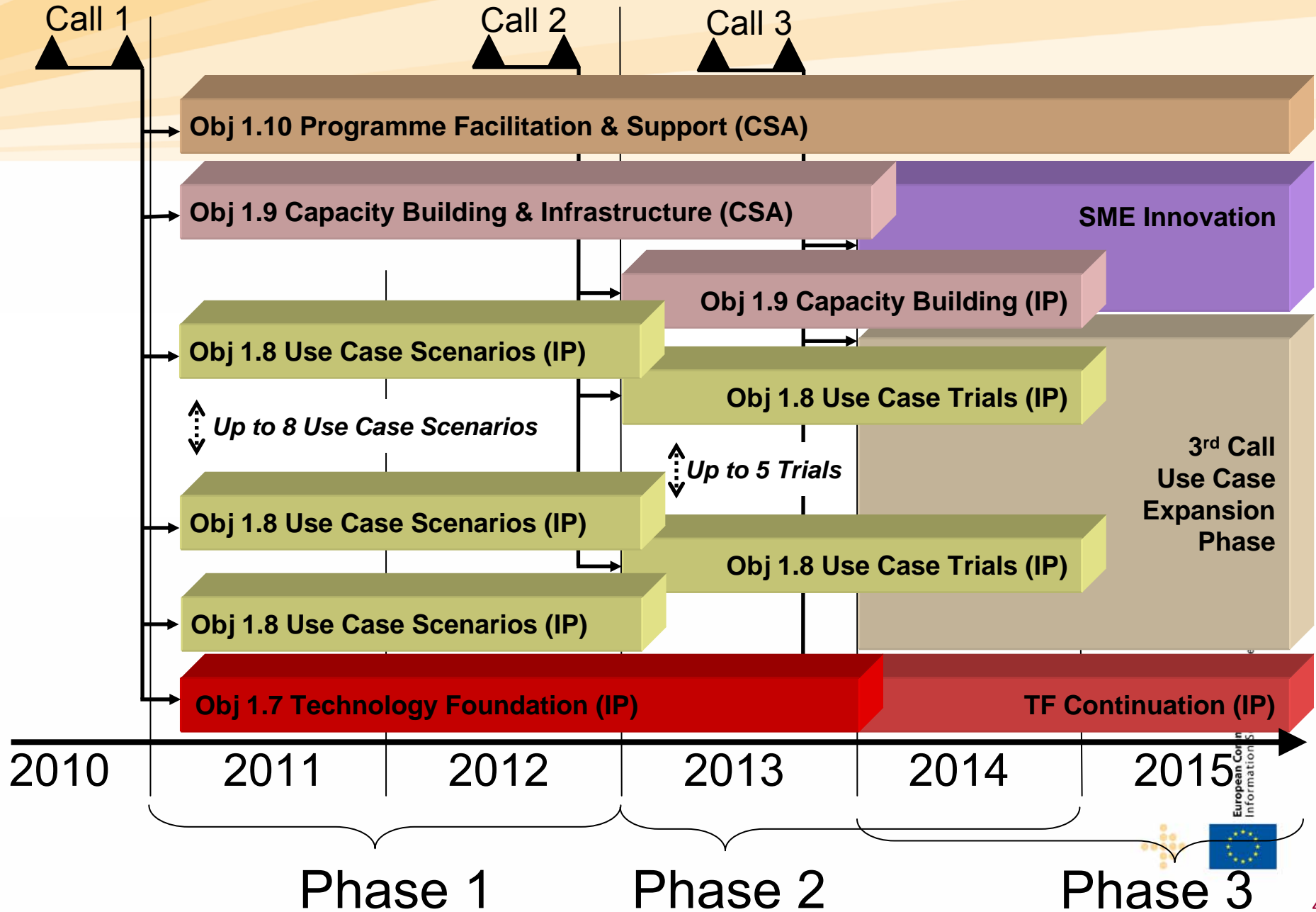
## 6. Lead by example: large scale trials

→ Proving the scalability and viability of the concepts developed

## 7. Synergy: build on existing results and resources

→ Time & scale dictate using what is already achieved in Europe

# Programme Architecture



# Technology Foundation: FI Core Platform

- **Generic, trusted, open platform**

- **Capabilities and functionalities for**

- upgraded network
- information processing
- sensor networks coupled to the Internet
- versatile service infrastructure
- real-time application
- trust and identity
- ad-hoc aggregation of resources

→ through open interfaces, API, SDK

- **Functionalities depend on the requirements of the use case scenarios**

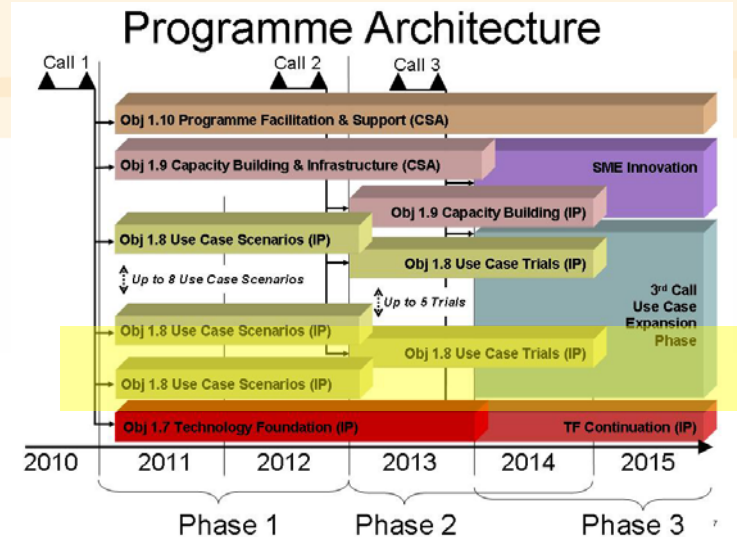
- **Generic enablers → key feature in developing functionalities**

- **Build on existing research results and considering:**

- system view
- integration
- adding missing components

- **Re-usable/composable in multiple usage contexts**

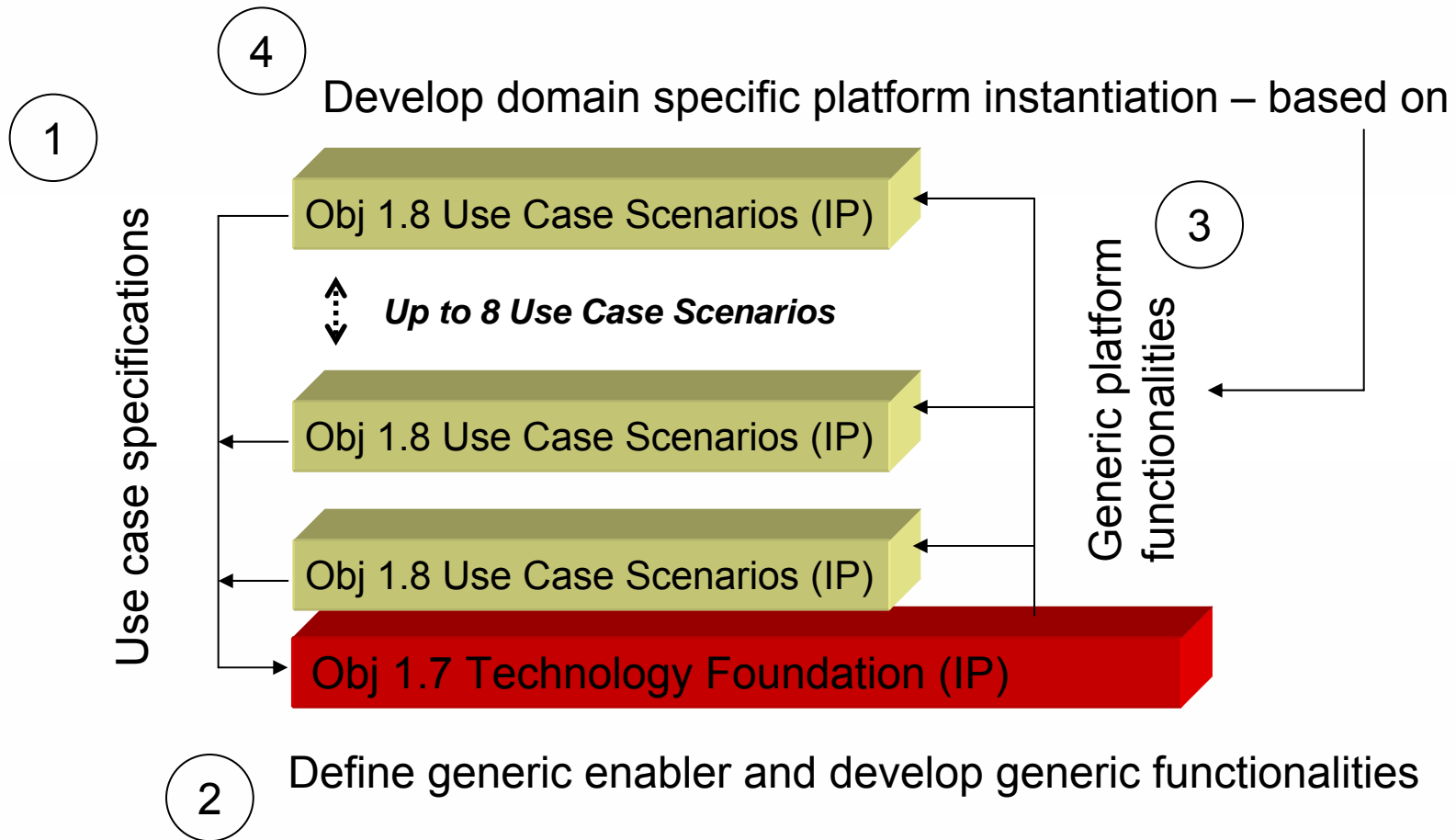
- **3<sup>rd</sup> party access under FRAND**



**One IP (41 MEuro, 3 years) covering Phases 1 and 2:**

- 30% flexible budget for meeting use case needs
- system design
- early prototyping
- early implementation and validation

# Programme Dependencies



# Programme Facilitation and Support

- **Establish the adequate mechanisms for collaborations between projects**

- boards and advisory structure
- day-to-day management support
- synchronisation & management of dependencies
- mechanisms for conflict resolution
- progress monitoring

- **Co-ordination of standardisation and assurance of openness**

- certification programmes
- strategic contribution to international standardisation
- programme-level IPR regime

- **SME-oriented measures**

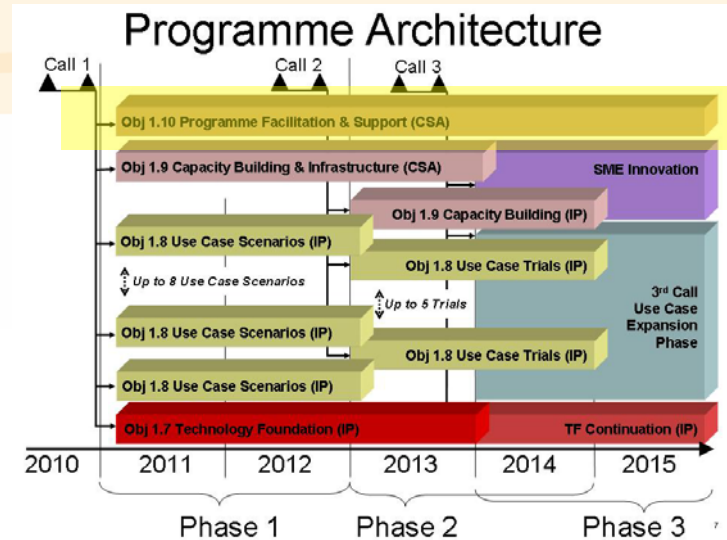
- towards ecosystems for trials in Phases 2 and 3
- awareness, training and incentive schemes

- **Contribution to policy and regulatory discussion**

- operation of the FI framework to be developed
- towards an internal market for e-services

- **Public Relations**

- programme-wide PR strategy
- individually address all relevant target audiences
- coordinate common dissemination actions



## One Support Action covering Phases 1 to 3 (6 MEuro, 3 years)

- facilitator for collaboration
- in support of and complementary to the EC management, monitoring and review processes
- ensuring coherent and non-disruptive management support

# Building Partnership - Maximising Outcome

## Partnerships to bring together all needed expertise in efficient innovation teams

- Operators, service developers and equipment manufacturers (... *ICT industry*)
- Research & innovation stakeholders
- User industries & user communities (*e.g. utilities*)
- Public sector stakeholders (... *when it comes pilots*)
- End-user validation (... *in particular in the platform expansion phase*)

## Partnerships to evolve over time

- Technology foundation for the Core Platform
- Use Case scenarios and pilots



# Draft Implementation Roadmap\*

- **Call 1 (20 July – 2 December 2010) – budget 90 MEuro**
  - Technology Foundation (one IP, 41 MEuro, 3 years, 30% flexible)
  - Use Case Scenarios – Phase 1 (7-8 areas, IP, 5 MEuro, 2 years)
  - Capacity Building (one CSA, 3 MEuro, 3 years)
  - Programme support (one CSA, 6 MEuro, 5 years)
- **Call 2 (18 May – 29 October 2012) – budget 80 MEuro**
  - Use Case Scenarios Pilots – Phase 2 (5 areas, 13.5 MEuro, 2 years)
  - Capacity Building (one IP, 12.5 MEuro, 2 years)
- **Call 3 (later 2013) – budget 130 MEuro**
  - Devoted to the expansion and enlargement of many testbeds and pilots (several areas, ~100 MEuro, 2 years)

# Further Information

## Next Key Events 2010/11:

- 27-29 September – Brussels, [ICT Event 2010](#)
- 20-22 October – Tampere, [3<sup>rd</sup> EU-Japan Symposium on Future Internet](#)
- 29 Nov – 1 December - Tokyo, [IoT2010](#)
- 16-17 December – Ghent, Future Internet Week, 6<sup>th</sup> [FIA Conference](#)
- 17-19 May – Budapest, 7<sup>th</sup> FIA Conference

## Sites to drill further:

- [ec.europa.eu/foi](http://ec.europa.eu/foi) – read about the many activities the EC undertakes on Future Internet
- [www.future-internet.eu](http://www.future-internet.eu) – The European Future Internet Portal – the community site
- [cordis.europa.eu/ict/ch1](http://cordis.europa.eu/ict/ch1) – Ongoing European FI research & development activities