

The Future Internet PPP - overview

2nd Future Internet Usage Area Workshop
Brussels, 21 – 22 June 2010

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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

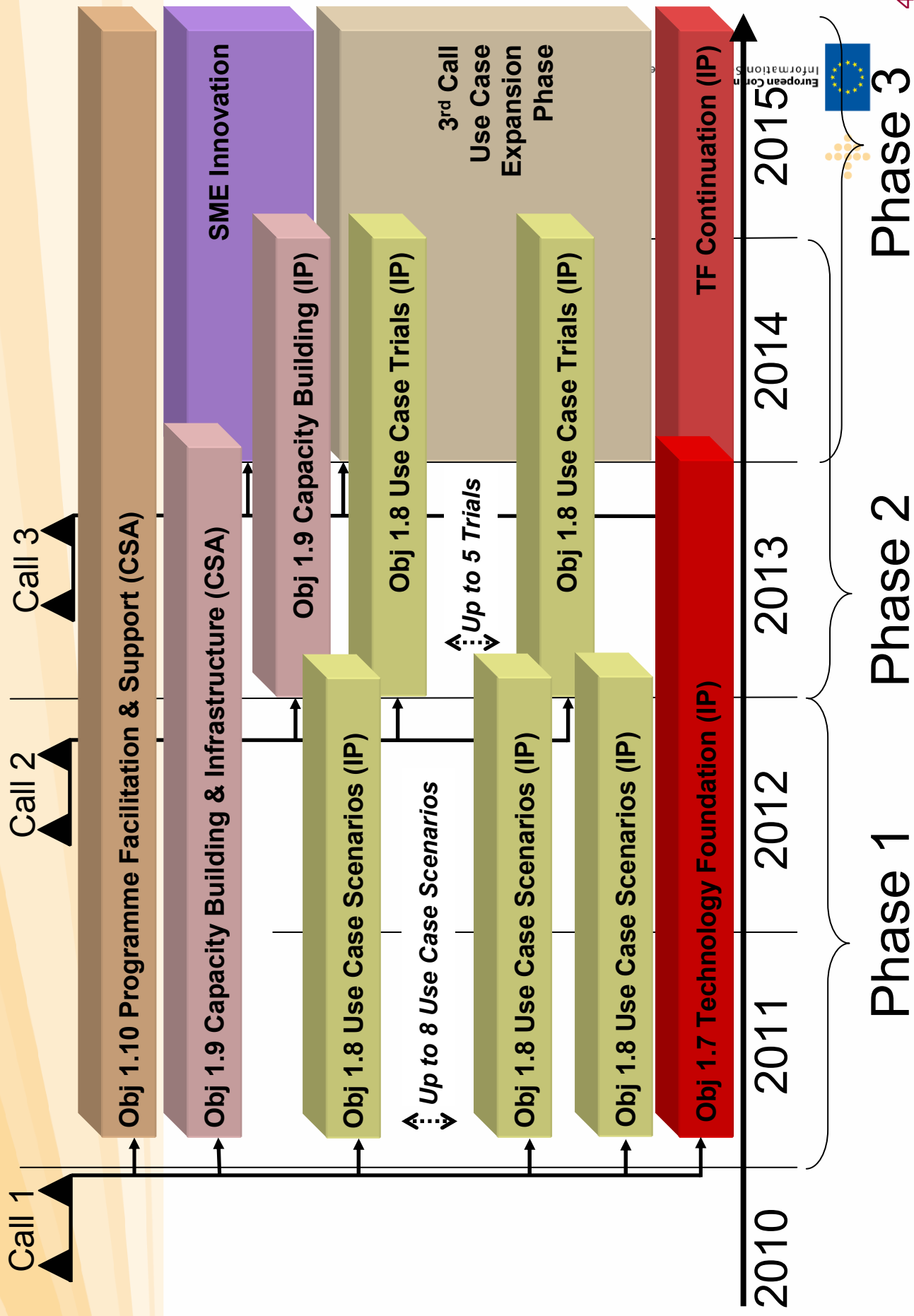
6. Lead by example: large scale trials

→ 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

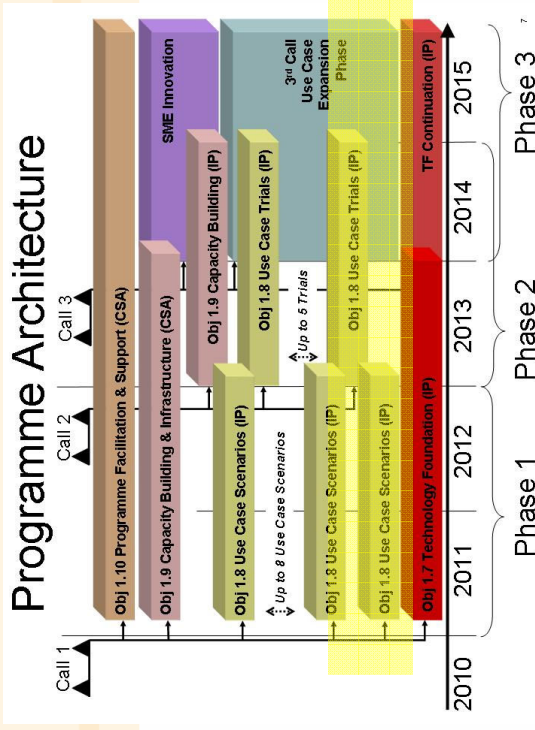
Functionalities depend on the requirements of the use case scenarios

- **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

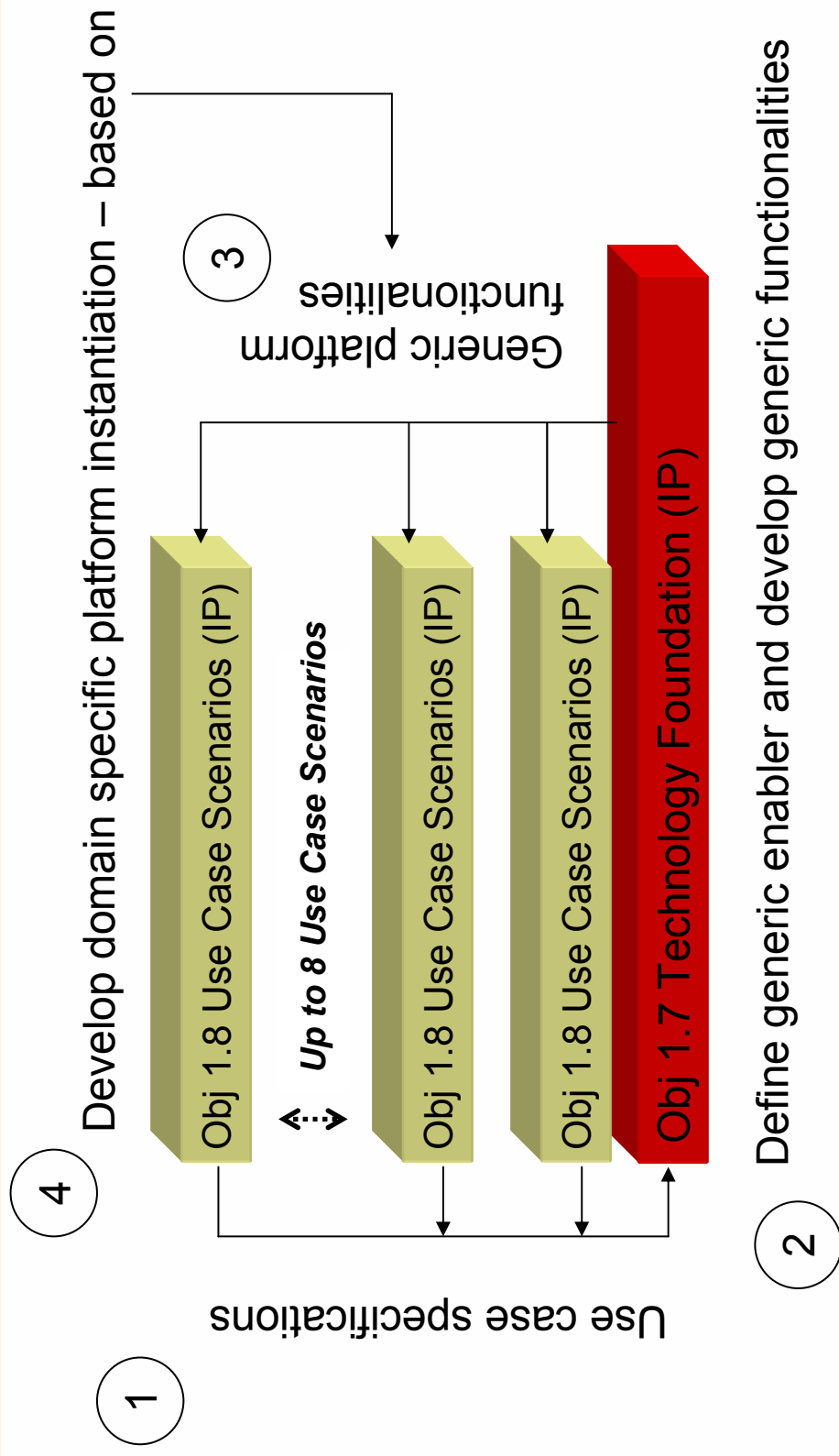
- **3rd party access under FRAND**



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**

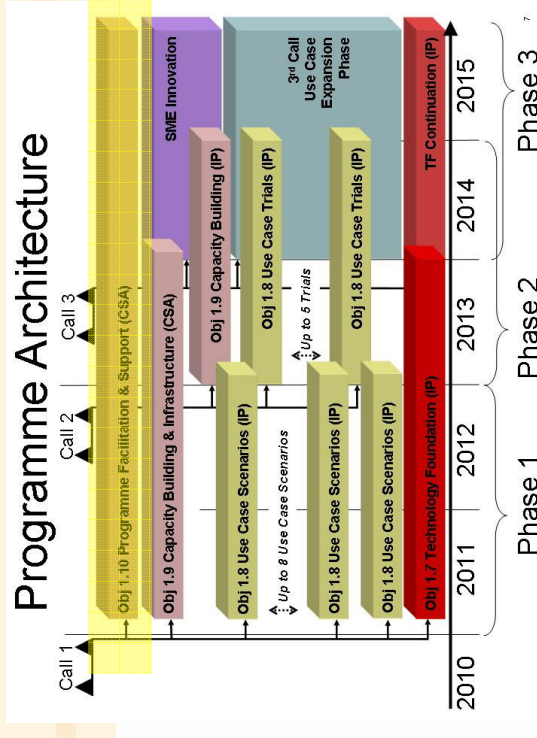
- towards ecosystems for trials in Phases 2 and 3
- awareness, training and incentive schemes

- **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 (30 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:

- 21-22 June – Brussels, 2nd [Usage Area Workshop](#)
- 8 July – Brussels, [FI-PPP European Information Day](#)
- 27-29 September – Brussels, [ICT Event 2010](#)
- 20-22 October – Tampere, [3rd EU-Japan Symposium on Future Internet](#)
- 29 Nov – 1 December - Tokyo, [IoT2010](#)
- 16-17 December – Ghent, [Future Internet Week, 6th FIA Conference](#)
- 17-19 May – Budapest, 7th FIA Conference

Sites to drill further:

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

