

***Information day for
National Contact Points
November 29th – Brussels***

Sandro D'Elia
European Commission
Information Society and Media Directorate General

Agenda

- **ICT Work Programme 2011-12**

- **FI-PPP:**

Future Internet

Public-Private Partnership

- **Call 2**

- **Call 3**

- **FI-WARE** open calls



fi-ware

ICT Work Programme 2011-12

~2.4 B€ total

ICT for socio-economic challenges

260 M€	280 M€	140 M€	100 M€
5. ICT for Health, Ageing, Incl. & Gov.	6. ICT for Lower-Carbon Economy	7. ICT for Manufacturing & Enterprise	8. ICT for Learning & Cultural Resources

Basic ICT technologies & infrastructures	1. Network and Service Infrastructures	625 M€			
	2. Cognitive Systems and Robotics	155 M€			
	3. Component and Systems	402 M€			
	4. Digital Content and Languages	165 M€			

261 M€

Future & Emerging Technologies (FET)



International cooperation, Cooperation in an enlarged Europe, Pre-commercial Procurement

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"PPP"
Public Private Partnership

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Energy Efficient Buildings PPP
Green Car PPP
Factory of the Future PPP
Future Internet PPP

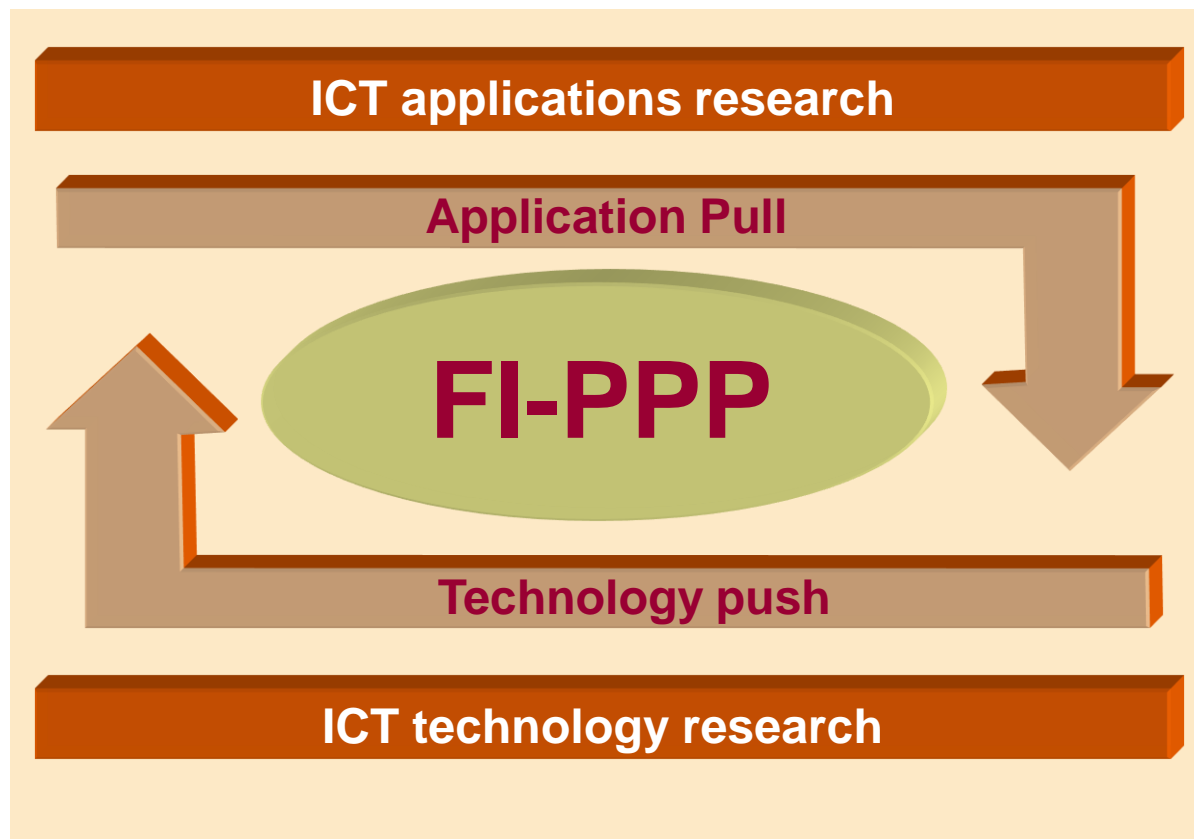


International cooperation, Cooperation in an enlarged Europe, Pre-commercial Procurement

FI-PPP

Leadership beyond R&D

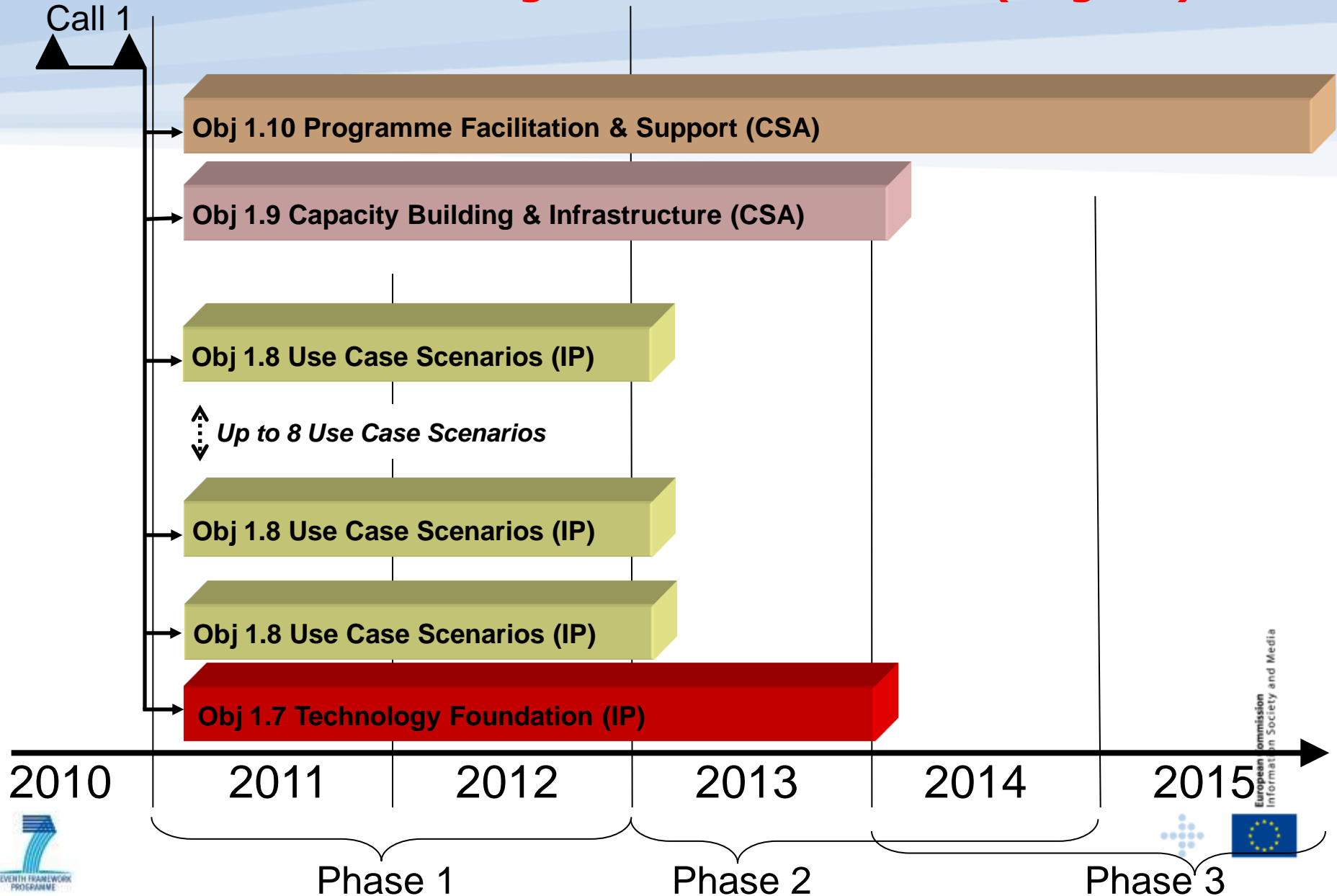
Making the world 'smarter' and accelerate sustainable innovation



Making Europe a world leader in Future Internet technologies

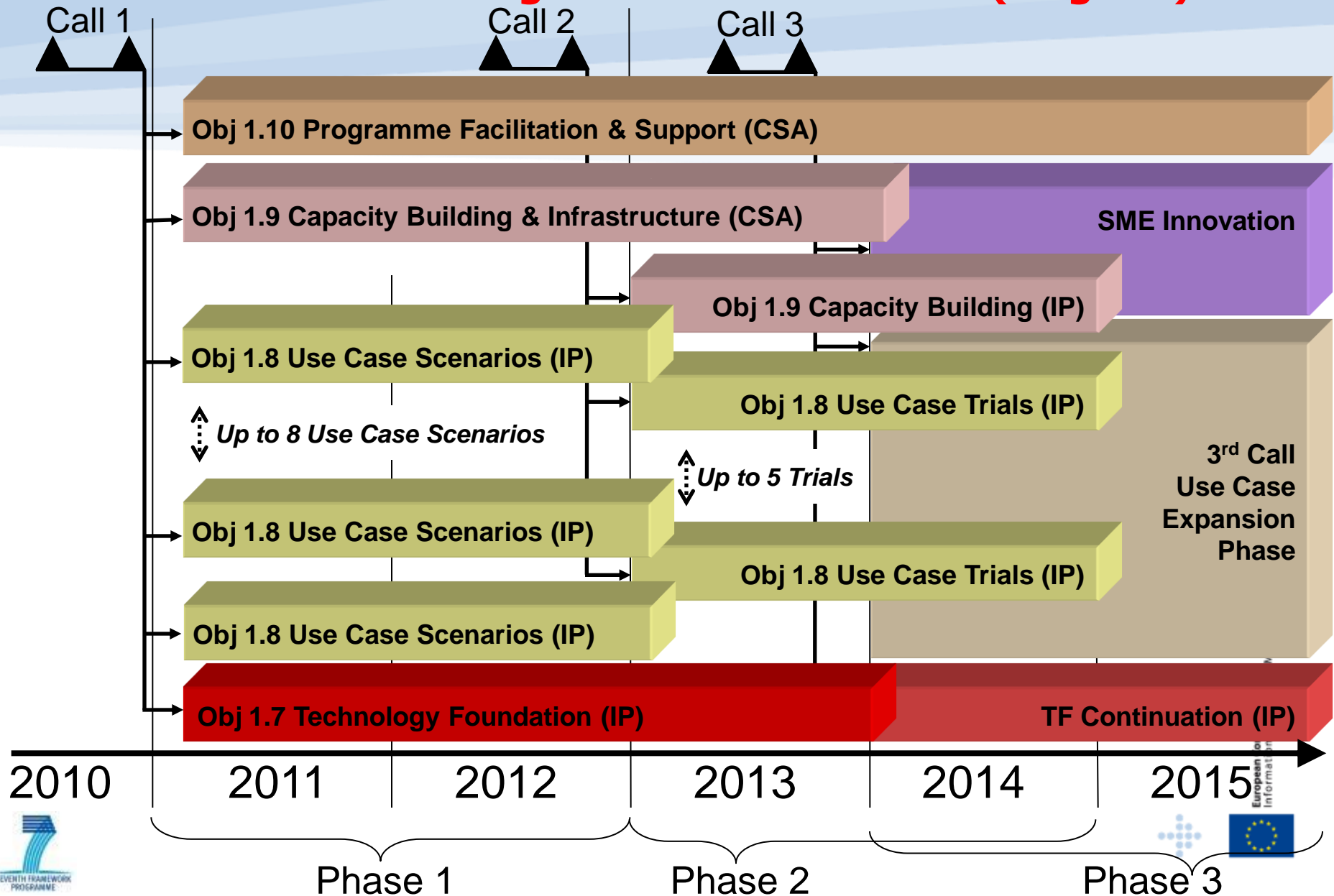
FI-PPP

Programme Architecture (original)



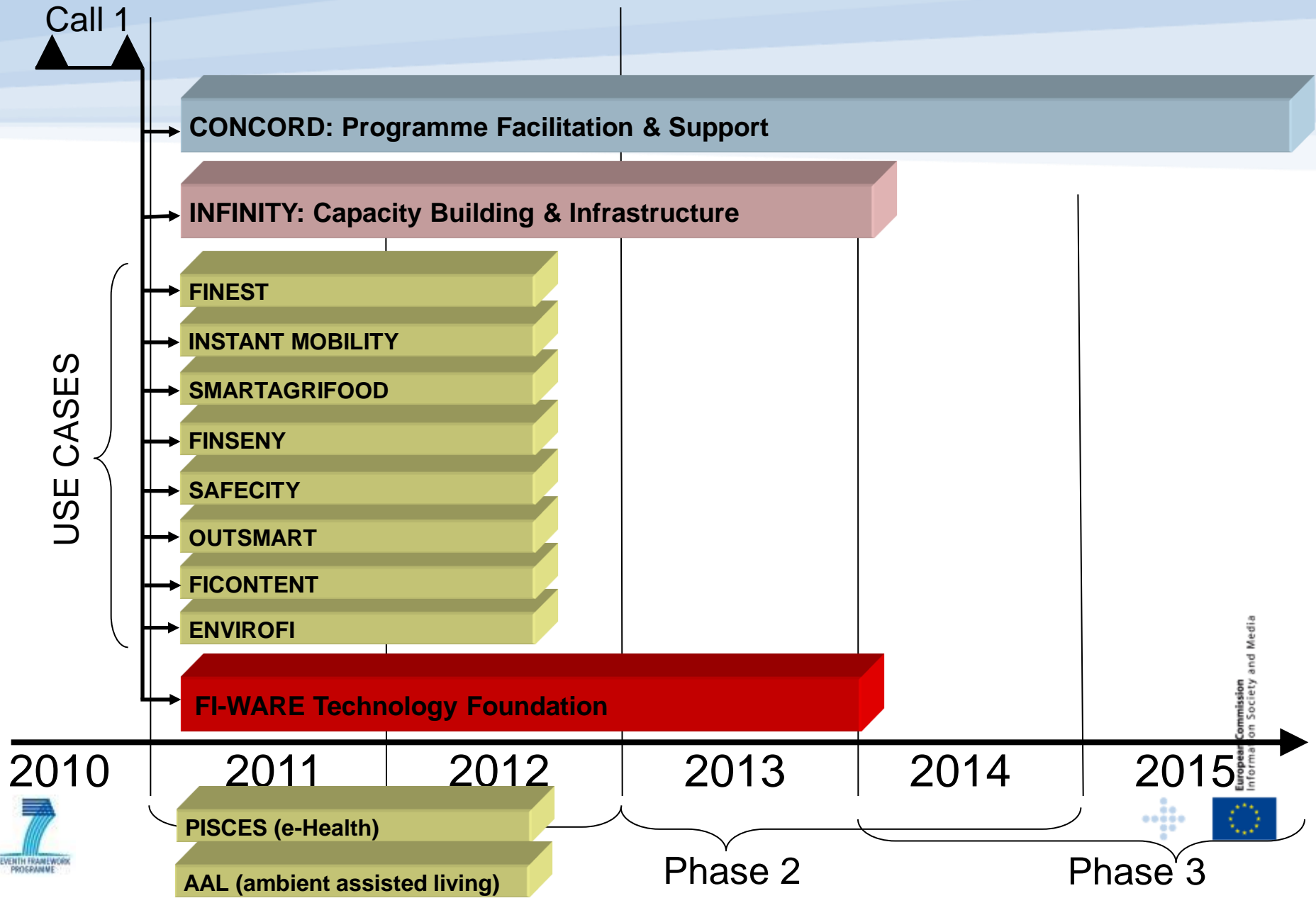
FI-PPP

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FI-PPP

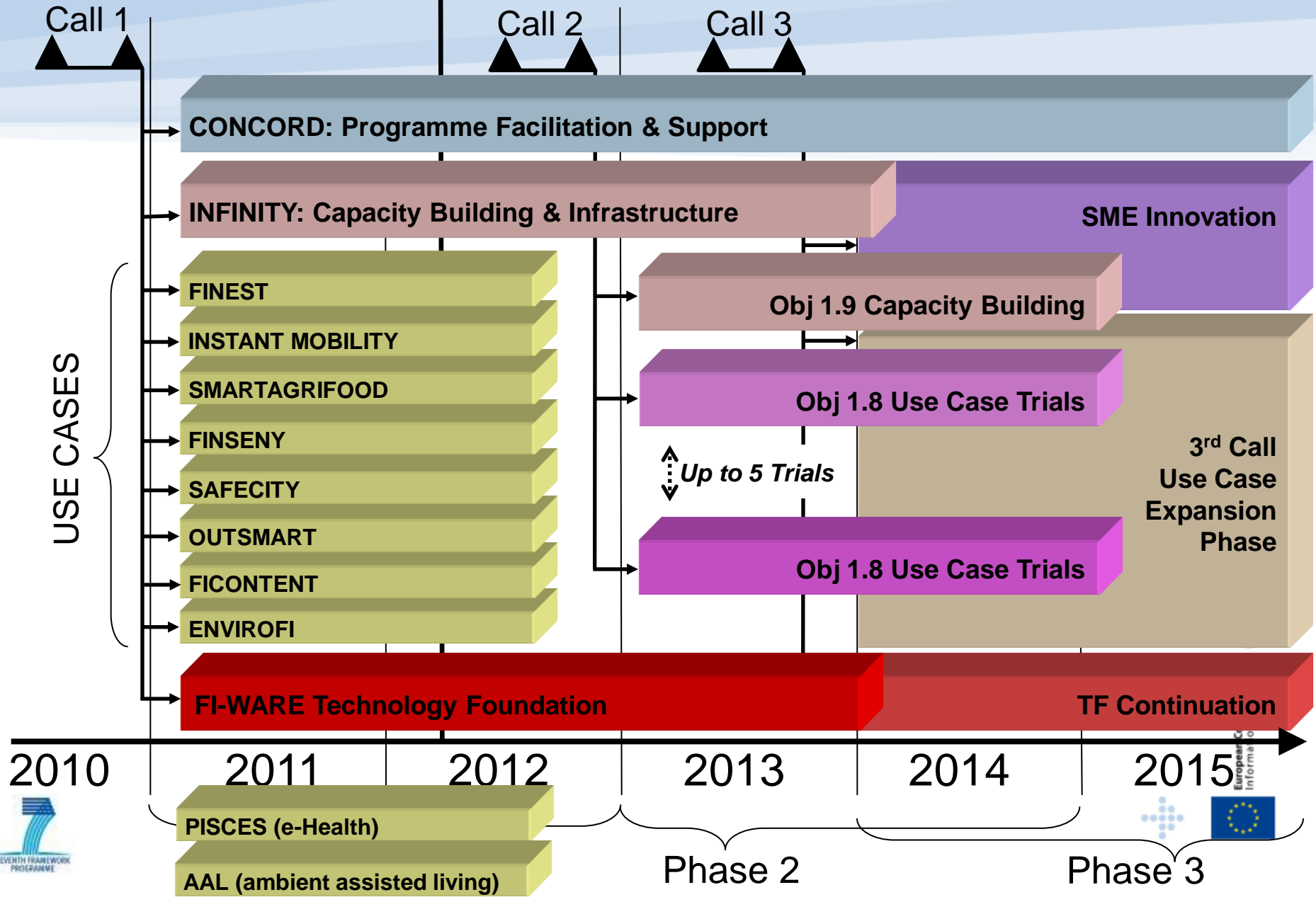
Programme Architecture (in place)



FI-WARE open call

FI-PPP

Programme Architecture (in place)



FI-PPP

Implementation Roadmap

- **Call 1 (20 July - 2 Dec 2010) - budget € 90 M**
 - Technology Foundation (one IP, € 41 M, 3 years, 30% flexible)
 - Use Case Scenarios – Phase 1 (7 areas, IP, € 5 M, 2 years)
 - Capacity Building (one CSA, € 9 M, 3 years)
 - Programme support (one CSA, € 6 M, 3 years)
- **Call 2 (18 May - 24 Oct 2012) - budget € 80 M**
 - Use Case Scenarios Pilots – Phase 2 (5 IPs in different areas, 2 years)
 - Capacity Building (one IP, € 12.5 M, 2 years)
- **Call 3 (2013) - budget 130 MEuro**
 - Devoted to the expansion and enlargement of many testbeds and pilots (several areas, ~100 MEuro, 2 years)



FI-PPP

Implementation Roadmap

Phase 2 (Work Programme 2011-12)

- Ensure the availability of the necessary **test infrastructure for the early trials**,
- Develop the **core platform and the use case specific functionalities**, and instantiate them on the test infrastructure.
- Finalise selection, prepare and run **early trials for all use cases**.
- Prepare **large scale trials** in terms of SME participation as application and service developers and infrastructure integration **across Europe**.

See: http://ec.europa.eu/information_society/activities/foi/library/docs/fi-ppp_work_pgm2011.pdf

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- Use Case Scenarios Pilots – Phase 2 (5 IPs in different areas, 2 years)
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Call: FP7-2011-ICT-FI Phase 2 Funding schemes

- Up to 5 IPs, with priority given to maximising the spectrum of use cases covered.

Indicative budget distribution and duration

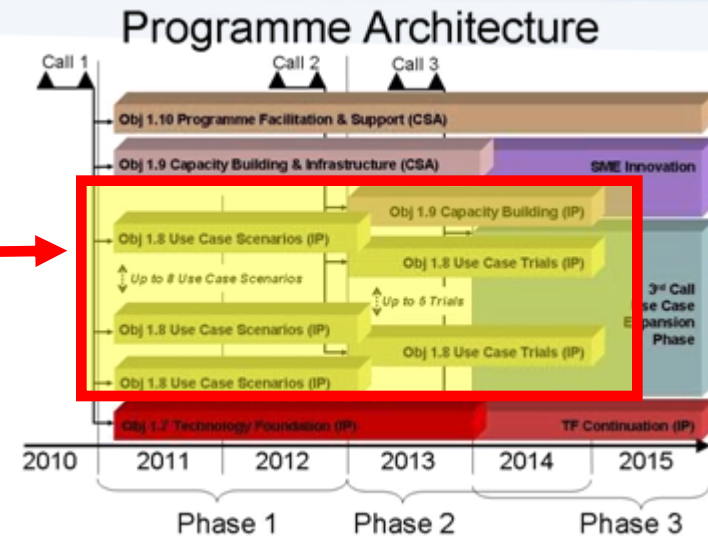
- 13.5 M€ per use case project; at least **10% of the budget** is expected to be allocated through **Open Calls** to allow for **local solution providers and system integrators** to get involved.
- Duration: max 24 months

Phase 2

Use Case Scenarios and Early Trials (FI.ICT-2011.1.8)

Target outcomes

The work focuses on **vertical use case** scenarios whose intelligence, efficiency, sustainability and performance can be **radically enhanced** through a **tighter integration** with advanced **Internet-based network and service capabilities**.



Phase 1 (competitive)

- Up to 8 IPs (5 MEuro, 2 years) with broad coverage
- specification of use cases & scenarios
- identification of generic and specific enablers
- conceptual prototypes
- Phase 2 implementation plan

Phase 2 (competitive)

- Up to 5 IPs (13.5 MEuro, 2 years) with 10% flexible budget
- working experimentation sites with generic and specific enablers available
- selected test applications implemented
- validation of openness and versatility of the core platform
- planning phase 3

Phase 2

Capacity Building & Infrastructure Support (FI.ICT-2011.1.9)

Target outcomes

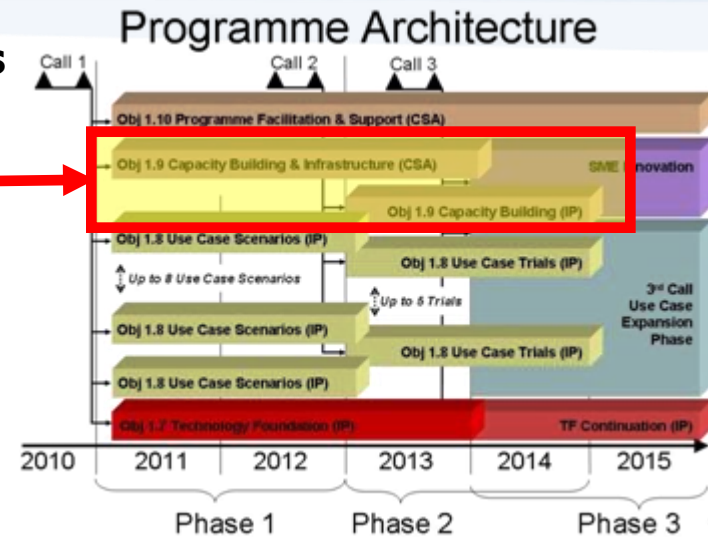
The goal is to leverage **existing public investments** in advanced infrastructures to support advanced experiments demonstrating the versatility of the **Core Platform** across a **multiplicity of heterogeneous environments** and use cases.

Examples for infrastructures

GEANT and National Research and Education Networks

FIRE - Future Internet Research & Experimentation

Advanced city and regional infrastructures



Phase 1

- one CSA (3 MEuro, 3 years) overlapping with phase 2
- identify candidates for experimental infrastructures for large scale experimentation
- repository of infrastructures
- identify operational constraints and draft partnership agreement across programme

Phase 2

- one IP (12.5 MEuro, 2 years)
- integration of infrastructures for cross-cutting phase 2 and 3 trials as needed
- adaptation, upgrade, validation of infrastructures for phase 3
- assembly of a pan-European federation to support application mash-up

Phase 2

Outcomes



Phase 3



- Ensure availability of necessary **test infra-structures** for early trials
- Develop the **Core Platform and use case specific functionalities** and instantiate them on the test infrastructure
- Finalise selection, prepare and run **early trials** for all use cases
- **Prepare large scale trials** in terms of **SME participation** as application and service developers and infrastructure integration across Europe

- Provide **infrastructure** for large-scale trials
- **Expand Core Platform instantiations and use case specific functionalities**
- Run **large-scale trials** populated with variety of applications challenging overall platform
Prove value of **services mash-ups**
- Involve **SMEs** as developers and providers of services and applications



fi-ware

FI-WARE Open Calls

- **Two open calls** of € 8.0M and € 4.3M each
- Deadlines (expected): **mid-March 2012** and March 2013
- To allow for responding to emerging user needs
 - to fulfil requirements from many usage areas,
 - new technologies,
 - new business models
- New beneficiaries develop new **Generic Enablers**
- Call follows standard procedures

<http://www.fi-ware.eu>

http://ec.europa.eu/information_society/activities/foi/lead/fipp/Guidance_note_for_project_coordinators_planning_a_competitive_call.doc

What are we looking for?

Expected industrial impact

Research projects often live in their own world

Exploitation is often limited to transfer of results to 'the next project'

Same thing happens in 'the next project'

Creation of a 'shadow world'

→ Taking research results out of the research world into the real world

What are we looking for? Me too or something different?

Where is the **competitive advantage**?
Unique **selling points**!

*My question is: are we
making an impact?*



What are we looking for? Give EU the future, not only a better present



What we ask

For more information

Future Internet

<http://www.fi-ppp.eu>

<http://ec.europa.eu/foi> (calls and WP)

<http://www.future-internet.eu/>

<http://www.fi-ware.eu/> (open calls)

FP7

<http://cordis.europa.eu/fp7/>

<http://cordis.europa.eu/fp7/ict/>

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