

The crucial role of usage areas in the FI-PPP: Workshop Objectives

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

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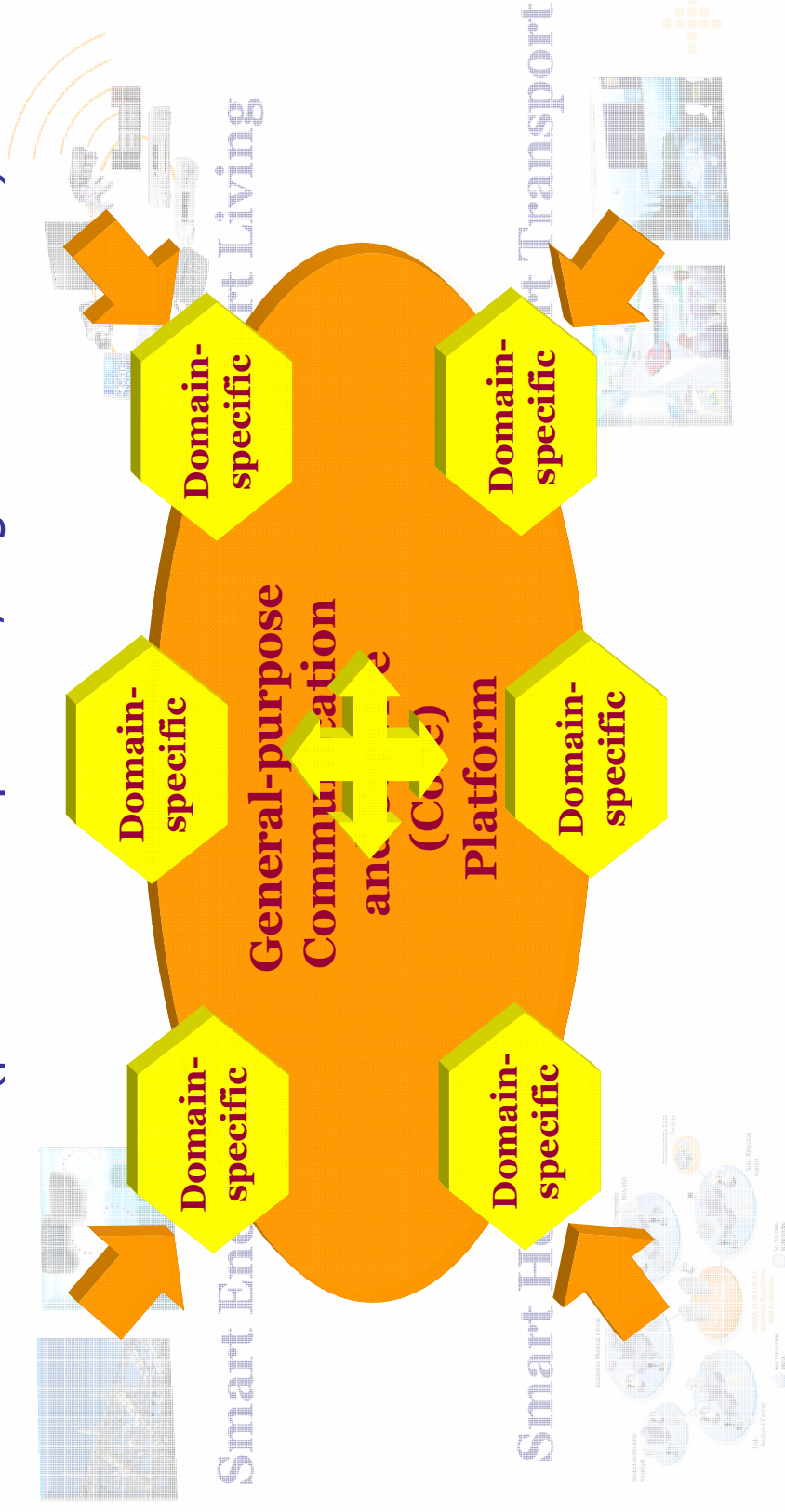


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FI PPP – The core principle

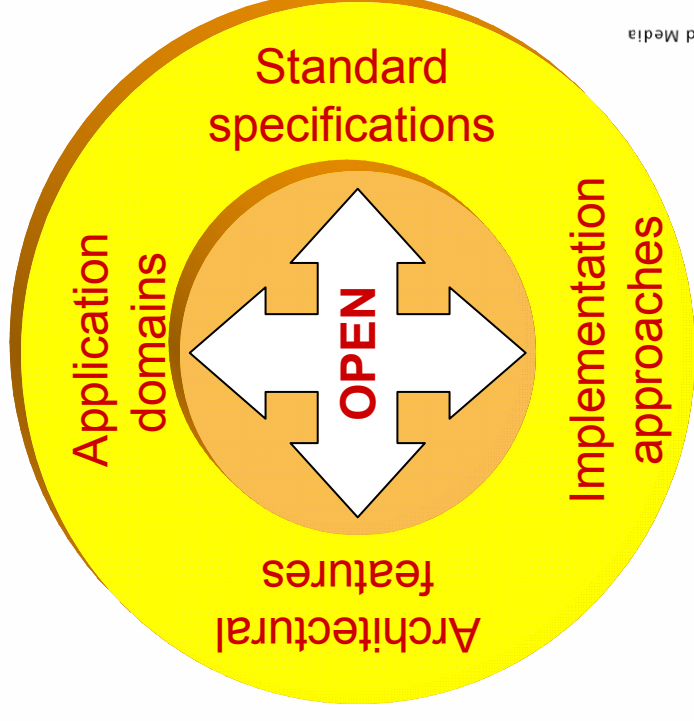
Balance of technology push & application pull

- Core platform activities driven by ICT technology providers
- Usage area activities driven by usage area actors
- Capacity building activities influenced by innovation ecosystem stakeholders (public and private, e.g. smart cities)



Three dimensions of openness

- Architectures
 - Available information
 - Open to integration, evolution (possibly by 3rd parties)
- Standards on all levels
 - Understandable, shared definition
 - Accepted by the various actors
 - Public and open definition process
- Markets
 - Open to several possible implementations
 - Open market for products and services

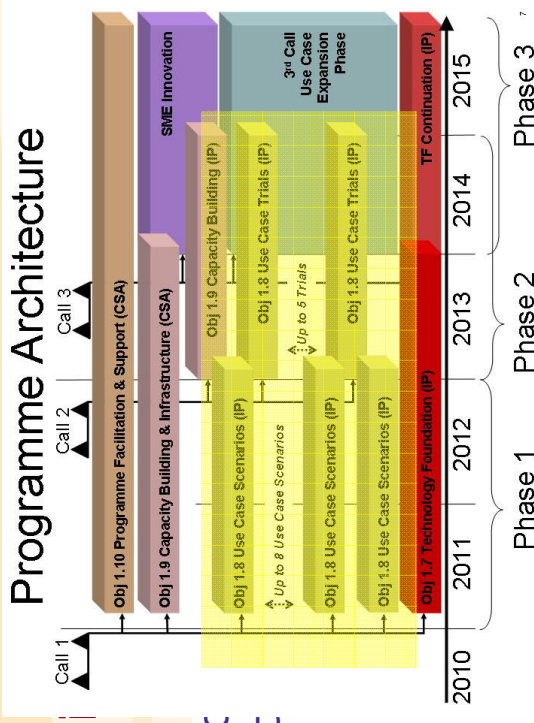


Use Case Scenarios and Early Trials

- **Use cases with high social and economic impact**
- **Vertical application scenarios:**

- with enhanced efficiency, sustainability, performance by tighter integration with advanced Internet technologies,
- leapfrogging advanced internet technologies,
 - context awareness and sensor networks
 - advanced real time information processing
 - handling huge volume of data
 - ad-hoc service composition and mash ups
 - managed broadband connectivity and services
 - embedded media support

- **Identification of generic versus specific enablers (collaboration with TF)**



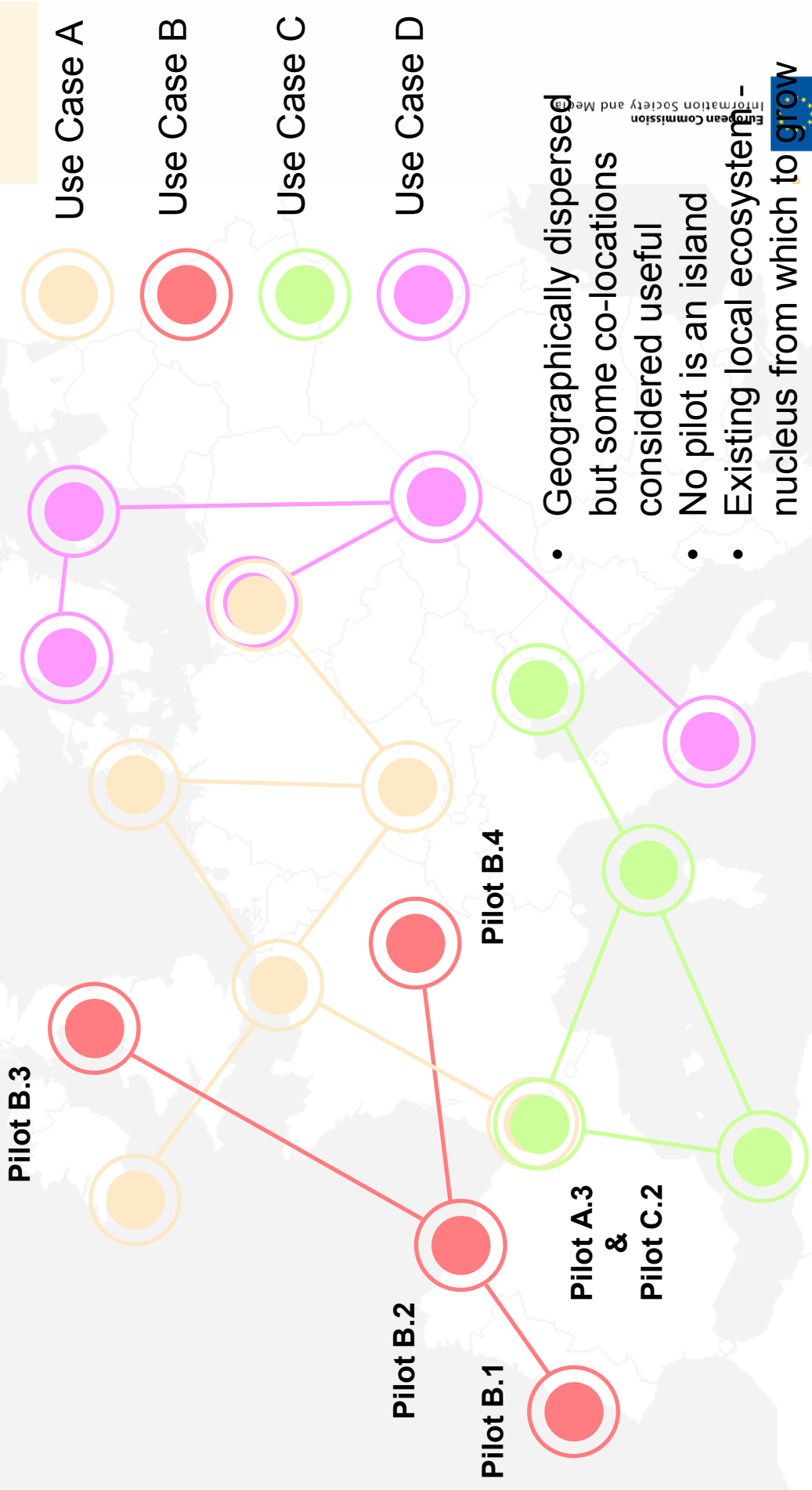
Phase 1 (competitive)

- 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 (local business ecosystems)
- 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

FI-PPP: Pilot Architecture



- Geographically dispersed but some co-locations considered useful
- No pilot is an island
- Existing local ecosystems - nucleus from which to grow

Capacity Building & Infrastructure Support

- **Leverage existing public investments in advanced infrastructures**

- to support large scale and diverse experiments
- to demonstrate versatility of the core platform
- to support testing across a multiplicity of heterogeneous trials and use cases

- **Examples for infrastructures**

- GEANT and NRENs
- [FIRE](#) - Future Internet Research & Experimentation
- Advanced city and regional infrastructures

- **Establish partnership agreements**

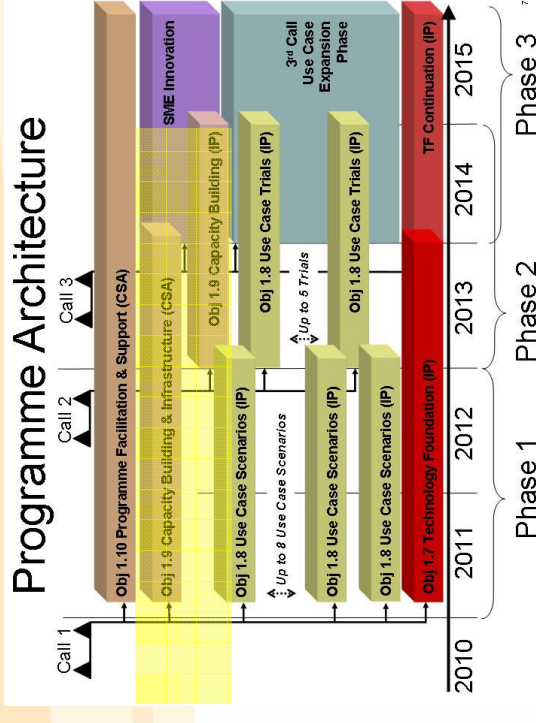
- **Complementary to Use Case infrastructures**

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



Some conclusions from 1st Usage Area WS

- Difficult to get the relevant usage area stakeholders to commit: FI is just a means supporting their work
- Those who participated showed interest and endorsed the approach highlighting the important role of use area players
- ICT industry often represents the application stakeholders by proxy: not sufficient
- ICT and application experts often get their wires crossed: convergence needs more work



Six characteristics of a good use case

1. Innovation on the application side
2. Realism in terms of large scale trials to be carried in 3-5 years
3. Need for advanced Internet functionality
 - beyond the existing Internet
 - validating the PPP core platform concept
4. Synergies with other use areas proving value and potential of core platform, e.g.
 - Sharing of data (e.g. from sensors)
 - Services and application mash up
 - Common devices and infrastructures
5. Possibility for provisioning and upgrading of experimentation infrastructures for phases 2 & 3
6. Relevance to EU policies, e.g. EU Digital Agenda
 - high social and economic impact

PPP Use Cases – the Challenges

- Identify groups of applications, use cases, and trial scenarios fulfilling the “Six characteristics of a good use case”
- Get use case actors to assume a driving role
- Match making between tech push & app pull
 - Capture individual application requirements and map them to Internet functionalities
 - Identify those functionalities/enablers, which are generic and can serve multiple applications – to be included in the core platform
 - Identify concrete synergies

2nd Use Area Workshop

21 – 22 June 2010, Brussels

- **Approach:**
 - Co-organised between EC and the EX-FI CSA
 - Open and neutral vis-a-vis G15, FIRA, G23, ...
 - All position papers accepted ⇒ 10', 5', 2' position statements
 - Publication of all position papers, slides and a report
- **Structure**
 - Opening plenary:
 - EC overview
 - Presentation by stakeholder groups
 - 6 half day parallel sessions in 2 blocks:
 - Max 2 hrs for position statements
 - Min 2 hrs for discussion along given structure
 - Closing plenary
 - Report from parallel sessions
 - Discussion of cross cutting issues
 - Next steps and conclusions



Structure for discussions in parallel sessions

1. Group the use case in 2-5 related groups per area
2. For each group, discuss the 5 questions in the TOR:
 - Describe the group of use cases and scenarios from the application perspective ⇒ **address criteria 1, 2, 6**
 - Identify the innovative Internet functionalities and technologies needed ⇒ **address criteria 3, 4**
 - Identify those functionalities expected to be addressed by the core platform ⇒ **address criteria 3, 4**
 - Identify the needed experimentation environments for large scale trials in phases 2 and 3 ⇒ **address criterion 5**
 - Identify the relevant groups of stakeholders along the value chain and their role?

Try to address all questions rather than going into too much detail!

The reports should follow the same structure!

Support the moderators in their strict time management!

