

Expected impact for Target Outcome f):

- World wide federation of testbeds for future internet research.
- Broader dissemination of the results in order to foster wide adoption, eventually going beyond testbed frameworks if appropriate.
- More durable culture of collaboration between European and South Korean actors.

Funding Schemes

- a) IPs
- b) STREPs
- c) CSAs
- d) STREP
- e) CSA
- f) STREP

Indicative budget distribution

- a) and b) IPs and STREPs: 16,5 M€ (min. 8 M€ for IPs, min. 8 M€ for STREPs)
- c) CSA: 0.5 M€
- d) STREP: 1 M€
- e) CSA: 0.5 M€
- f) STREP: 0.5 M€

Call:

FP7-ICT-2013-10

Future Internet Public Private Partnership (FI-PPP)

The objective of the third phase of the FI-PPP¹⁰ is (i) to provide and run a stable infrastructure for the large scale trials, expand the core platform, the use case specific functionalities and their demand-driven instantiations, and (ii) to involve through open calls SMEs and web-entrepreneurs as developers of highly innovative, infrastructure based, data-rich services and applications, building on, and extending, the large scale trials and the core platform functionalities. The third phase is an integral part of the FI-PPP and capitalises on the investments and developments of phase one and two.

All projects operating under the FI-PPP contribute and adhere to the governance structures in place and develop cooperation notably with CONCORD and FI-WARE¹¹. The third phase of the FI-PPP ensures that technological developments and

¹⁰ See the ongoing activities under the FI-PPP: www.fi-ppp.eu

¹¹ [Project website: www.fi-ware.eu](http://www.fi-ware.eu)

trials taking place in phases one and two will evolve into seed-type activities generating actual take-up of innovative Internet services and applications.

The FI-PPP should also be an accelerator for regional smart growth. Therefore this last phase of the FI-PPP is expected to connect and establish close synergies with regional developments and policies.

Objective ICT-2013.1.8 Expansion of Use Cases

Target Outcomes

A large set of innovative and technologically challenging services and applications in a wide range of Internet usage areas and large scale trials, making innovative use of the technologies and validating the concepts developed under the previous phases of the FI-PPP. These services and applications should make public service infrastructures and business processes significantly smarter (i.e. more intelligent, more efficient, more sustainable) through tight integration with Internet networking and computing capabilities, and notably exploiting open data.

Implementation requirements

This objective calls for projects with participants that can rapidly connect to existing communities of small and innovative ICT users and developers, i.e., SMEs and web-entrepreneurs, to take-up Future Internet technologies developed in previous phases.

Typically projects will bring together partners providing the full ecosystem to successfully involve the SMEs and web-entrepreneurs called to participate, such as partners having access to and experience with SME environments, partners bringing in the innovative ICT infrastructure, trial providers, the user notion, and the public sector to foster local/regional commitment.

Project participants, notably the coordinating organisation, will have to demonstrate their financial viability to receive and manage funds at the level requested, as well as their expertise and capacity, first and foremost in developing and managing the full life-cycle of the open-calls transparently. The projects are encouraged to ensure a sustainable longer-term environment. A combination with other innovation actions, supported by regional, national and European policies and funds, is highly desirable.

The task of projects is to:

i) scope, organise and manage open calls for small and innovative ICT players such as SMEs and web entrepreneurs to develop services/applications that present a clear societal and economic value while exceeding a defined minimum level of functional complexity and thus generating a very large number of small, innovative services, which build on technologies of the ongoing large scale trials and the FI-WARE Generic Enablers. Any IPR generated by the SMEs and web entrepreneurs shall rest with them.

ii) liaise with the other projects selected under this objective in defining the open calls, support SMEs and web entrepreneurs in terms of access to information, tools and services provided by the technology foundation extension selected under objective 1.8, notably on functionalities of the core platform toolbox, the test bed, the large scale trials, the infrastructure availability/accessibility and others, in order to get involved SMEs rapidly up to speed/familiarised with the FI-PPP environment and enable them to focus on their innovation task.

iii) coordinate and collaborate with programme support actions with regard to their offerings to SMEs, notably aiding SMEs and web entrepreneurs in aspects such as innovation, entrepreneurship and business modelling, training and education for and among entrepreneurs, business sustainability, intellectual property.

In addition, projects selected under this objective will link-up to the capacity building activity¹² of phase two of the FI-PPP.

At least 80% of the project budget should be reserved for open calls for SMEs and web-entrepreneurs. Projects must publish widely their open calls using the Commissions publishing channels for public calls¹³ and adhere to FP7 standards with respect to evaluation, conflict of interest and confidentiality. Projects must also promote widely the participation in their open calls, e.g., by tapping into venture capital communities and corporate venture activities, public/private accelerators and others. SMEs and web entrepreneurs that are successful in the open calls will be granted financial assistance which is typically in the order of EUR 50.000-150.000.

Speed and quality of service to SMEs and web entrepreneurs as well as their successful and sustainable involvement will be a key success measure.

Projects selected under this objective shall jointly set-up an innovation cluster bringing together relevant public sector and private/industrial actors, developers and users to ensure the sustainability of the developments under the FI-PPP, as well as to develop and contribute to a cooperative approach to identify good practices and success cases including dissemination.

Funding Schemes:

Up to 20 CP-CSAs, with a priority given to maximise the geographic and/or sectorial coverage.

Indicative budget distribution:

- EUR 100 million
- Duration: 24 months

Call:

FP7-ICT-2013-FI

Objective FLICT-2013.1.9 Technology Foundation Extension and Usage

Target Outcomes

a) Technology Foundation Extension

An updated and extended technology foundation should answer both the needs identified in the use case trials of phase two as well as the needs arising during the use case expansion in the third phase (see objective 1.8). Such needs include technological updates and improvements of existing core platform functionalities, i.e. generic enablers, and the development and implementation of additional enablers

¹² See the previous FP7 ICT work programme 2011/2012 objectives 1.8 and 1.9 -

http://cordis.europa.eu/fp7/ict/docs/3_2012_wp_cooperation_update_2011_wp_ict_en.pdf

¹³ I.e. the participants portal: <https://ec.europa.eu/research/participants/portal/page/cooperation>

across multiple domains, including work relevant for the adoption of common standards. Continuity with the FI-WARE project¹⁴, in particular with respect to intellectual property, is required.

b) Platform availability

The work must ensure the availability of the FI-PPP generic enablers for use in different infrastructures, in different regional contexts, and across different domains during the remaining lifetime of the FI-PPP, notably under phase 3 to all participants and possibly beyond. This includes support for the further extension and adaptation of these generic enablers to domain-specific instantiations, their reference implementation in open source, operational support for these instances, and the operation of a test infrastructure on generic enablers servicing several trials can be hosted. It particularly, as a service, it includes technological training of the SMEs and web-entrepreneurs involved under objective 1.8 on how to best use developed technologies and knowledge. The work should eventually integrate the achievements of the FI-PPP capacity building and infrastructure support activities (Objective FI-ICT-2011.1.9) of the previous phases.

c) Platform sustainability

Ensure sustainability of the core platform and of domain-specific platform developments in terms of usage and further evolution beyond the FI-PPP lifetime, including exploitation planning, standardisation, interoperability, IP arrangements and other measures maintaining their availability in the longer-term.

d) Usage and participation

While objective 1.8 focuses on the involvement of the take-up actors and direct, full-service support to them, this sub-objective provides for the necessary tools and support across all projects selected under objective 1.8 and the FI-PPP. This includes the provision of:

- support for SMEs and web-entrepreneurs in view of developing and sharing best practices, fostering entrepreneurship, access to finance, matchmaking between regional ecosystems and the financial community, innovation support for the various large-scale trial sites, benchmarking, mentoring, partnering with regional innovation actors, as well as monitoring and coordination across all trial sites and domains (Key Performance Indicators).
- Provide qualitative and quantitative evidence of the socio-economic impact of the activities under the Future Internet PPP until 2020.
- support for communications, networking and dissemination and exploitation activities such as developing success stories, road shows, conferences and presence at conferences and fairs to achieve significant visibility and attract further usage and exploitation using the latest multi-media and Internet tools.
- working with the FI-PPP community and beyond to support the creation, networking and development of Internet innovation hubs by bringing together web entrepreneurs, mentors, investors, students, academia, public sector innovators and industry – this action shall be carried out in collaboration with ongoing work of the EIT ICT Labs.

¹⁴ For details of the ongoing project FI-WARE see www.fi-ware.eu

- support for the future European Internet community to better link research to innovation through technology and business road-mapping (including in relation with activities in US, Japan, Canada and the BRICs), identification of new stakeholder groups, transfer of knowledge and best practices from the FI-PPP towards the larger FI community, including organising European-level conferences and workshops.

Expected Impact of the FI-PPP (the two objectives described above)

- Significant increase of the effectiveness of business processes and novel approaches to the operation of infrastructures and applications of high economic and/or societal value.
- Reinforcement of the European industrial capability for novel service architectures and platforms in view of new business models based on cross-sector industrial partnerships built around Future Internet value chains.
- Increased involvement of users and public authorities at local, regional and national levels.
- New opportunities for high-growth entrepreneurs and SME players to offer new products, equipments, services and applications.

Funding Schemes:

One IP which must cover a), b), c)

2-5 CSAs which cover d)

Indicative budget distribution:

- One IP: EUR 23 million. At least 10% of the budget is expected to be allocated through one open call to allow for adjustments in light of the projects selected under objective 1.8.
- CSAs: EUR 7 million
- Duration: 18-24 months

Call:

FP7-ICT-2013-FI-PPP