

BBC Scenario for FI PPP

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Use case and scenarios

What use case and scenario in your area would you consider the most appropriate and representative one for large-scale experimentation with the Future Internet platform to be built starting from 2013

Create a large-scale, pan-European Content platform to unlock Europe's potential for creation, search, viewing, exchange, contribution and distribution of live and archived, digital content and build innovative services for future economic growth

Create a ubiquitous user experience and a much more fluid Internet with access from directly addressable & context aware devices (in the home, on the person and on the move) that communicate with each other (and other users/ devices, as well as traditional servers)

novative functionality

What innovative Internet functionality and technologies would you consider important for your suggested use case and scenarios?

Distribution and publishing: Distribution of media; device to device, decentralised, CDNs.

Self-publishing, non-commercial, commercial

Universal, cheap, massive/network storage, and always connected devices

Aggregation and syndication of distributed content

Identity and the social graph: Identity frameworks

Data privacy and security

Trust and reputation on the internet

Data ownership and licensing

Provenance and tracking usage of data and content

Authoring content

Storytelling on the web - How do we tell stories using the web as a medium.

The web as a medium - Treating it as a medium for new content

Curation and collecting

Technical delivery

Which of the identified functionalities would you expect the Future Internet core technology platform to deliver to support your and other usage area scenarios?

- An open framework for identity, social graph, trust, privacy, licensing and provenance
- A universal, affordable, distributed open platform for self-publishing and hosting media all forms
- Large Scale field trials of IPv6 and non commercial cloud computing
- Direct device to device communication
- Delivering services in difficult conditions (e.g. underground, on the move, etc)
- Massive amounts of 2 way traffic from consumer to consumer (e.g. 3D content, very high bandwidth live AV content)
- Reliable and secure authentication

Experimentation environment

What kind of experimentation environment would you consider necessary for broad large scale testing of the platform to be developed in your use area?

- Identification of discrete geographical zones where “future” Internet features were available
- Reliable gateways between “future” Internet and existing infrastructure
- Reporting and logging of problems
- Hardware prototyping and creation/ rollout
- Support from existing infrastructure owners (cities, transport operators, broadcasters, network operators)

organisational role

How do you see the potential role of your organisation in the FI-PPP, in the context of Usage areas taking a prominent role in the Initiative, to ensure an appropriate application driven approach?

BBC is both an editorial and engineering organisation and we see us contributing at the core platform with trial infrastructures and access to intranet media backbones and broadcast networks and at the content usage area with:

- A strong leadership role bringing strong scenarios and end-user perspectives
- Large-scale editorial demonstrators across Europe including cross-border, common themed programmes along our educate, entertain and inform public remit (e.g. big sport event, environment and innovation in Europe)
- Hybrid services that utilise different networks in synchronised propositions
- Large-scale archive data sets
- Open interfaces and APIs for consistent and engaging User experience
- Interfaces and APIs to enable 3rd party applications, including SMEs and other web partners