



FIRE: Future Internet Research and Experimentation

Position Statement

Industrial Preparatory Group Meeting

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What type of testbeds is your organisation interested in?

- **Networking research testbeds that enable the following experiments:**
 - **Evaluation of new protocols and mechanisms for fixed and mobile environments**
 - **Scalability, performance and robustness evaluation of new routing, traffic engineering and signalling mechanisms**
 - **Collection of measurements and traces to enable traffic studies**
 - **Prototype validation with real user environments**
 - **Dynamic configuration of virtual test environments**
 - **Characterization of user behaviour in new communication scenarios**
 - **Evaluation of new distributed applications and new communication paradigms**

What do you expect from an experimental facility (or from a federation of testbeds)?

- Easy access, wide availability and open use
- Wide range of technologies available
- Availability of end users
- Support different levels of experiments (from low level mechanisms to high layer applications)
- Support different levels of abstraction
- Accuracy of the information collected
- A research community using and exchanging information

What are the most important industrial aspects to be discussed?

- Facilitate technology transfer and cooperation between industry and research
- Support pre-industrial research of new technologies
- Support of interoperability experiments and technology validation
- Enable cooperation for standardization activities
- Dissemination of European technology
- Enable pre-competitive deployment and validation of new communication technologies and applications
- Enable validation of new business models with real user environments

What related initiatives are happening in your member state?

- Mostly disperse initiatives
 - Participation in several EU FP6 Research Testbeds projects
 - FCT (Foundation for Science and Technology) sponsors some projects with some testbed aspects
 - AdI (Agency for Innovation) sponsors some technology transfer projects with testbed aspects
 - RCTS (Portuguese NERN) is promoting some pilot experiments on IPv6 and VoIP