



GENI - FIRE meeting

Madrid 8 December 2008

FIRE – Next steps

Dr Max Lemke

Deputy Head of Unit
European Commission
DG Information Society and Media
New Infrastructure Paradigms and Experimental Facilities

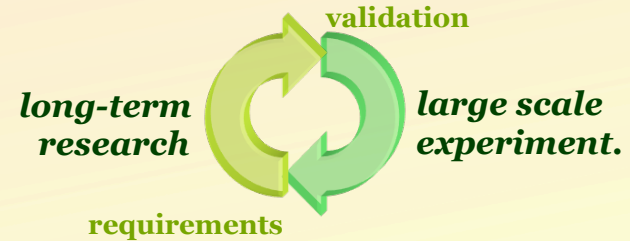
European Commission
Information Society and Media





FIRE - Overview of Projects

experimentally-driven, multi-disciplinary research



Building the experimental facility



support actions



(from Call2 Objective 1.6: Community Funding 40 M€)

FIRE - main project partners

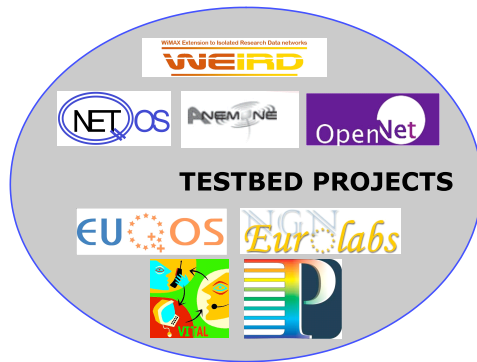
- **Industries/SMEs:** Alcentia, Alcatel-Lucent, Ericsson, Dimes, Nokia, Thales, Intel, Italtel, NEC Europe, Thomson , Norut, Solinet, BCT, PLA, OCTO
- **Operators:** BT, France Telecom, Deutsche Telekom, Cosmote, OTE, RBB, Telefonica, Telekom Austria, Telekomunikacja Polska, Turkcell, VoiceGlobe, Vodafone-Panafon
- **Research Centers:** ETH, Fraunhofer, WIT, Create-Net, RACTI, CNIT, EURESCOM, CERTH, INRIA, CNRS, KTH, CTCR, IBBT, Club of Rome, MIT, NICTA
- **Universities:** Athens, Basel, Berlin, Bern, Braunschweig, Bucharest, Delft, Dublin, UPC, Geneva, Jerusalem, KCL, Lancaster, Liege, Lubeck, Lulea, Palermo, Passau, Patras, Madrid, Paderborn, Pisa, Poznan, Surrey, Tel Aviv, UPMC, Uppsala, Warsaw



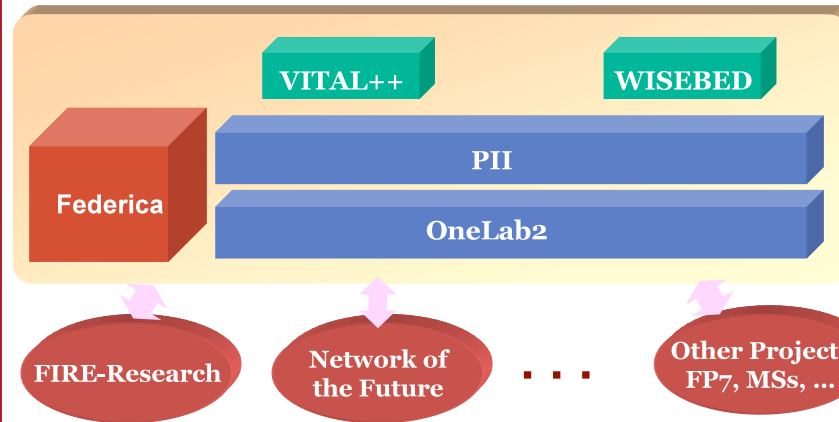


Building the FIRE Facility

FP6: Early design & prototyping



FP7 – WP 2007/08: Prototyping the federation concept



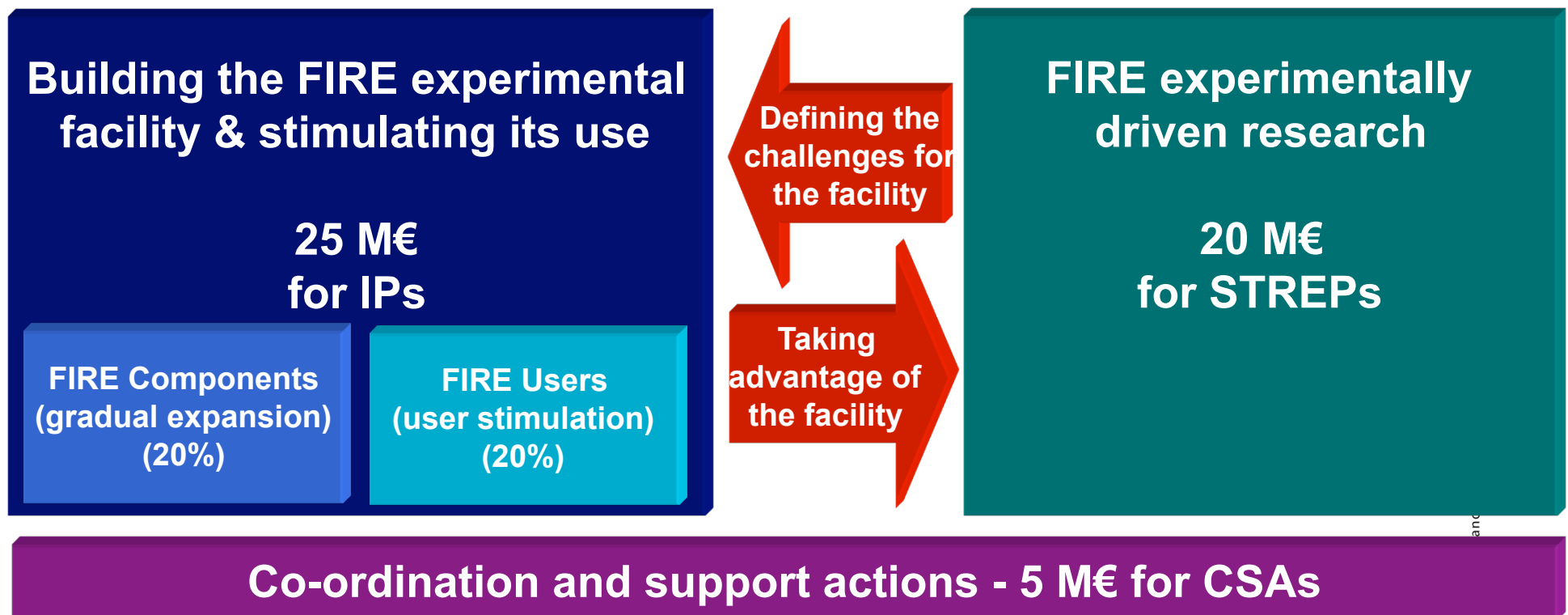
- open and dynamic
- focus on network connectivity layers
- supporting academia and industry
- proof-of-concept → pre-commercial tbs
- understanding the socio-economic dim.
- availability and gradual expansion of prototype services starting in 2008

FP7 – WP 2009/10: Building the facility and stimulating its use

- building the **prototype** FIRE Facility based on **open coordinated federation of testbeds**
- supporting **FI Research** at different stages of R&D cycle
- **expanding scope towards service architectures**
- operational prototype of **FIRE Components** to be gradually expanded
- Stimulating **innovative use** of the FIRE Facility



ICT WP 2009/10 - Objective 1.6: Future Internet experimental facility & experimentally-driven research



ICT Call 5

Experimentally-Driven Research in WP 2009-2010

EXPERIMENTALLY-DRIVEN RESEARCH IN WP 2009-2010

Visionary multidisciplinary research:

- Defining the challenges for and taking advantage of the Experimental Facility
- Consisting of iterative cycles of research, design and large-scale experimentation of new and innovative network and service architectures and paradigms for the Future Internet
- Research to consider the Future Internet as a complex system and therefore address all the associated aspects in a holistic vision and at all relevant levels and layers





Conclusions

- Internet to be addressed as a complex system across layers – from connectivity to services
- In the ICT Programme Future Internet is 1 of 3 federating research schemes
 - ✓ FIRE launched in September - 14 projects, 40 M€ funding
 - ✓ New Call on ICT WP 2009/10 - Objective 1.6 (FIRE): Closing September 2009 – 50 M€ funding
 - Two dimensions: FIRE Facility and FIRE Research
 - Funds earmarked for gradual expansion and stimulating use
- The Future Internet is a global issue: International Co-operation is a must

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





Meeting Objectives

Open exchange on the major FIRE and GENI activities

First discussions on potential future collaboration

- Beyond workshops ?
- On technical issues such as federation ?
- Linking / connecting FIRE and GENI - Why and How ?

Identify the Framework for collaboration
under the respective funding schemes

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

