

Session “Future Directions for EU ICT Research”

Paradiso conference
« ICT for a Global Sustainable Future »
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New Infrastructure Paradigms and Experimental Facilities

"The views expressed in this presentation are those of the author and do not necessarily reflect the views of the European Commission"



Understanding

how ICT, and **Internet** in particular,
has changed economy and society,
and how it can **improve**
society and environment

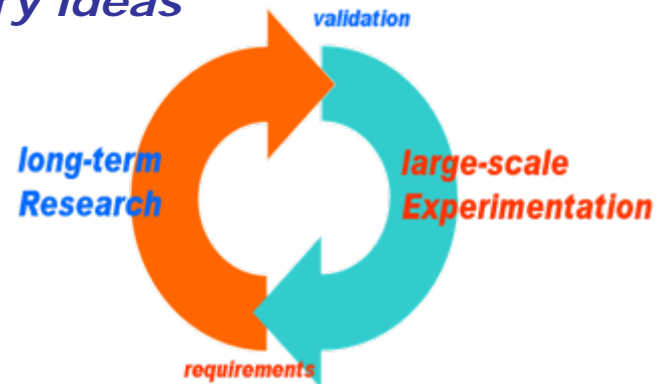
- Keywords:
 - Network
 - Complexity
 - Multidisciplinarity
 - Empirical approaches



what has been done in the EU insofar

- 2004: **SAC** (Situated and Autonomic communications)
 - Long-term research dealing with Internet complexity, socio-economic context, self-organisation, interdisciplinary approach
- 2007: **FIRE** Future Internet Research and Experimentation
 - FIRE goal: *creating a research environment for investigating and experimentally validating highly innovative and revolutionary ideas*

→ Paradiso!



- 2007: **FIA** - FISE (Future Internet Socio-Economic Group)



what will be done in the EU

Experimentally-Driven Research in WP 2009-2010 obj. 1.6 20 Me in ICT Call 5: publication 31/7/09 deadline 3/11/09

- “Visionary **multidisciplinary** research on Future Internet (protocols, architectures, services):
 - 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
 - from an **overall system perspective [...]**
 - Research should **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**
 - This includes **taking into account energy, low cost, environmental or socio-economic aspects”**



Study “Towards a Future Internet: Interrelation between Technological, Social and Economic Trends”

- Identification of the current and future societal needs which can be supported/improved by future Internet
 - Explore the past - examine prior studies and analyse how the current Internet evolved to date, its main drivers and effects
 - Inferring relationships between technological and socio-economic trends
 - Define possible future scenarios and assess their likely socio-economic impacts
 - researching the possible social, psychological, technological and economic options for its further development
 - Stimulating global debate through website and conferences
- Contractor: Oxford Internet Institute - Univ. of Oxford
- Duration: January 2009 – September 2010



Speakers

Speakers

- Ian Brown, Oxford Internet Institute
- Lorenz Bogaert, CEO, Netlog
- Elmar Husmann, IBM Senior Managing consultant, SC member of the NESSI ETP
- Fabrizio Davide, Director Corporate ICT Offering, Telecom Italia
- Simon Hampton, Director of European Public Policy & Government Relations, Google
- Martin Curley, Global Director, IT Innovation, Intel Corp.
- Afonso Ferreira, Head of Science Operations, COST office

