

# Session “Future Directions for EU ICT Research”

**Paradiso conference**  
**« ICT for a Global Sustainable Future »**  
**Brussels, 22-23 January 2009**

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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*

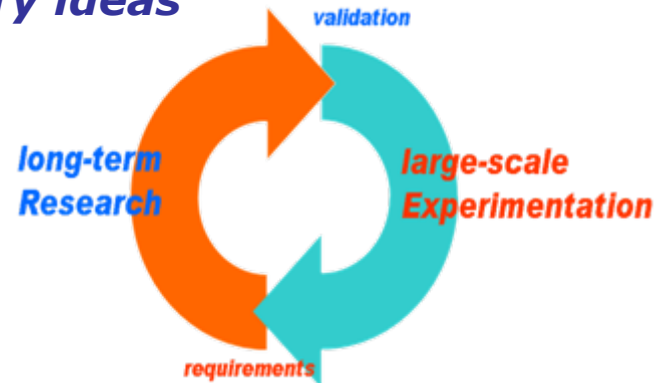
- Keywords:
  - Network
  - Complexity
  - Multidisciplinarity
  - Empirical approaches



# *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

