Towards an Internet Science

FIREweek 2010

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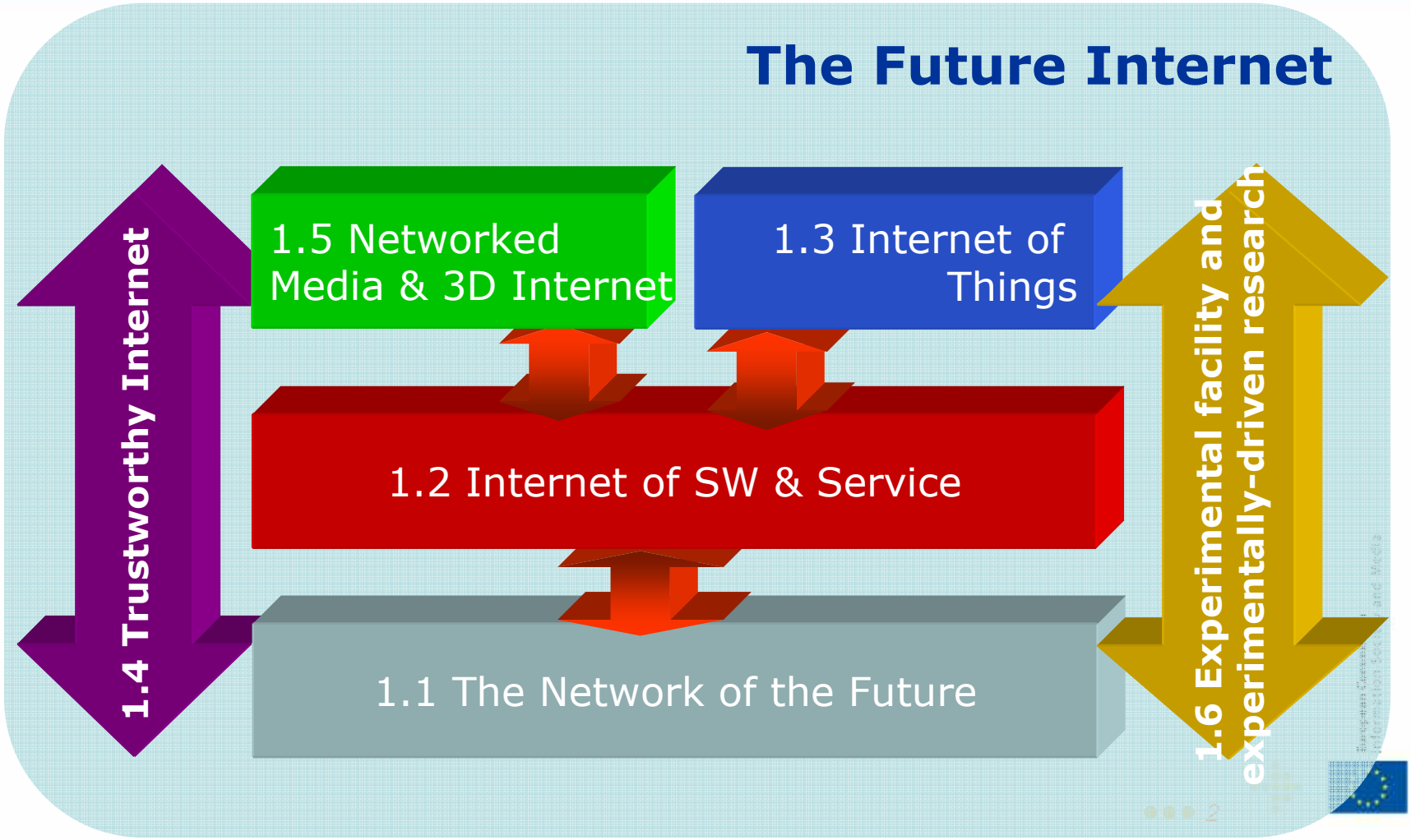
New Paradigms and Experimental Facilities
European Commission
DG Information Society and Media

EU ICT research budget 2006/2013:
9 billion euro
Future Internet : 20-25%



but Internet is not just about technology…

- **Economic transformation**
  - Productivity gains in standard businesses
  - New businesses/SMEs
  - New economic models (skype, google, apple…)
- **Social expansion**
  - Access to information (wikipedias, …)
  - Online social networking
  - Personal expression (youtube, flickr, …)
- **Psychological change**
  - Internet time
  - Workstyles and Lifestyles
  - Globalisation

the questions:

- **Was this planned?**

- **Where are we going to?**

Who benefits from the Future Internet?

individual interests

- Business
- Entertainment
- Personal expression

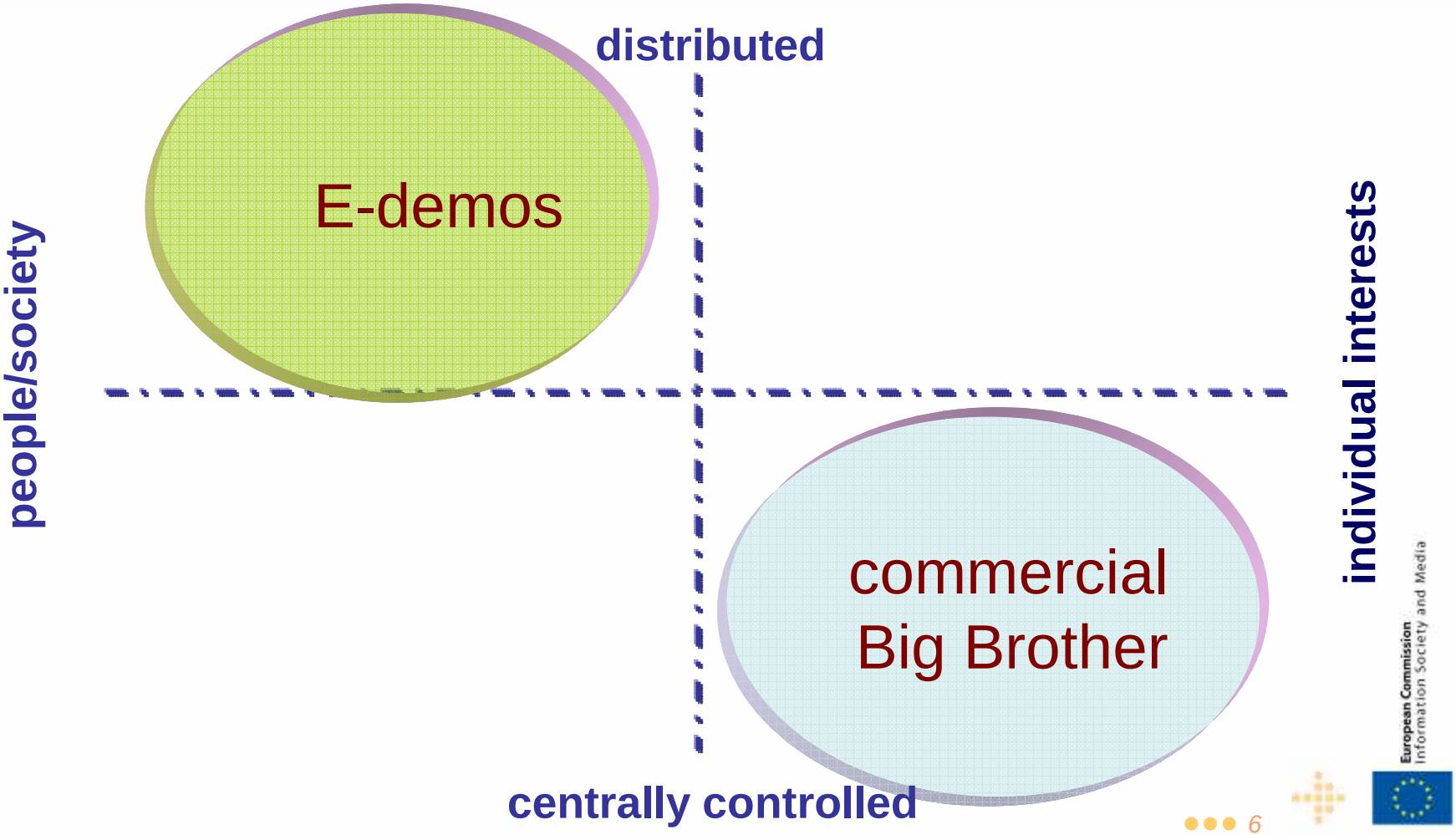
people/society

- Sustainability (environmental, economic)
- Co-creation of collective knowledge/ intelligence (wiki)
- E-democracy / reduce social divide

European Commission
Information Society and Media

Future internet scenarios

(Oxford Internet Institute Study on Technological, Social and Economic aspects of FI)



Technological choices have social and economic impacts

	Commercial Big Brother	e-Demos
Internet infrastructure		
Technological developments		
Security and Privacy		
Policy		
Standards		
Network Neutrality		

Findings from the MIT workshop

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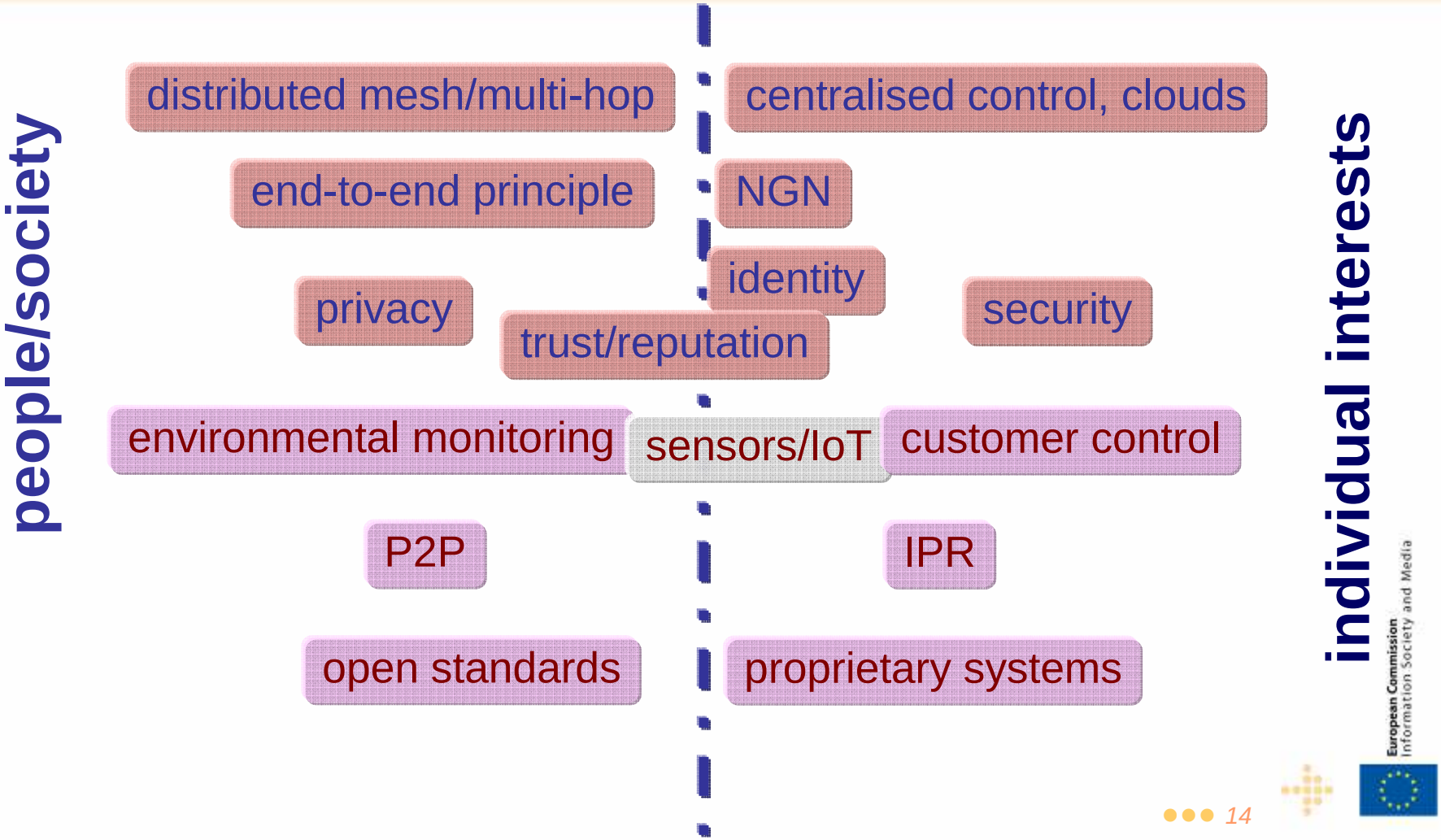
Understanding links between technological issues and socio-economic impacts



multidisciplinary approach

- Need for multidisciplinarity:
  - to understand socio-economic impacts of technology
  - to design networks capable of sustaining positive social developments
- Towards an "**Internet Science**"
  - An holistic approach based on scientific and humanistic disciplines
    - networking, computing, telecommunications, complex systems, security, trust and identity, privacy, sociology, psychology, energy, user interfaces, law, anthropology, economics, knowledge management, …
  - creating an "internet scientist" profile

implementation

- Network of Excellence – 5 Meuro budget – Call 7
- Web forum at http://cordis.europa.eu/fp7/ict/fire/internet-science_en.html
- Related actions (see http://cordis.europa.eu/fp7/ict/fire/future-internet-and-society_en.html):
  - Oxford Internet Institute Study on Interrelations between Technological, Social and economic aspects of the future internet
  - Paradiso 2 accompanying measure
- Workshops:
  - ICT2010 Networking, Brussels, 27-29 September 2010
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