



University of Zurich

Future Internet Assembly Meeting  
Madrid, Spain, December 9 - 10, 2008



## Future Internet Socio-Economics (FISE) Session

Session Co-Chairs:

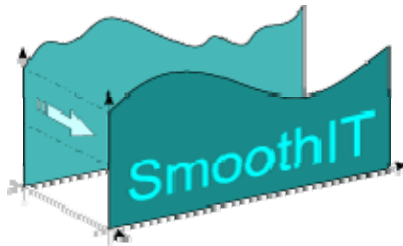
David Hausheer<sup>1</sup>, Pekka Nikander<sup>2</sup>, Vincenzo Fogliati<sup>3</sup>

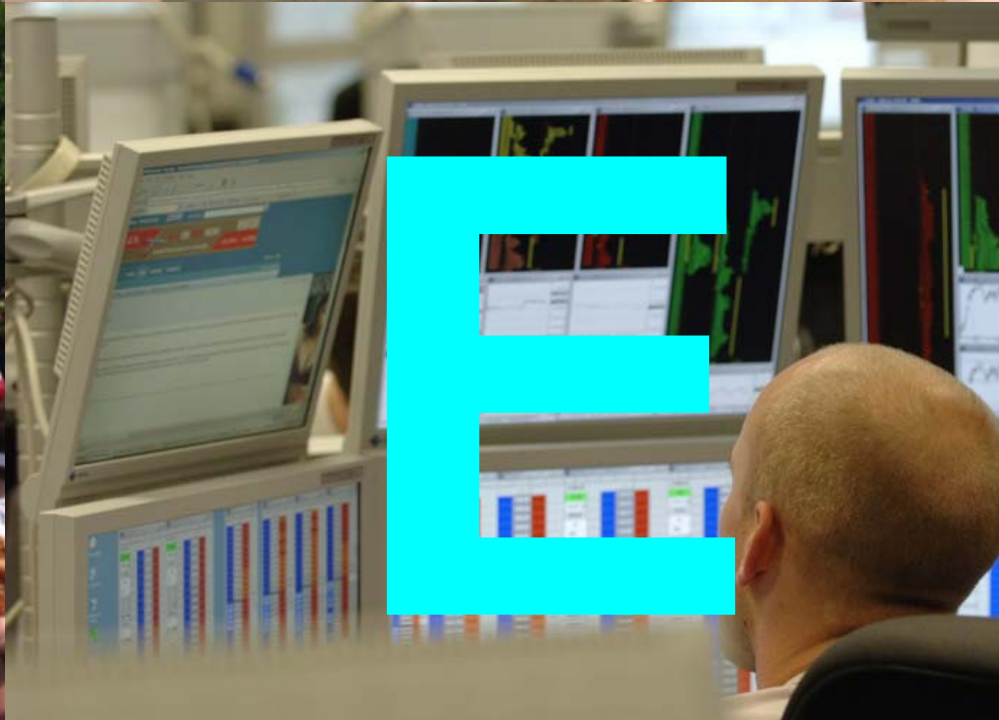
<sup>1</sup>University of Zurich, Switzerland

<sup>2</sup>Helsinki Institute for Information Technology and Ericsson Research, Finland

<sup>3</sup>Telespazio, Italy

*hausheer@ifi.uzh.ch, pekka.nikander@ericsson.com, vincenzo.fogliati@telespazio.com*

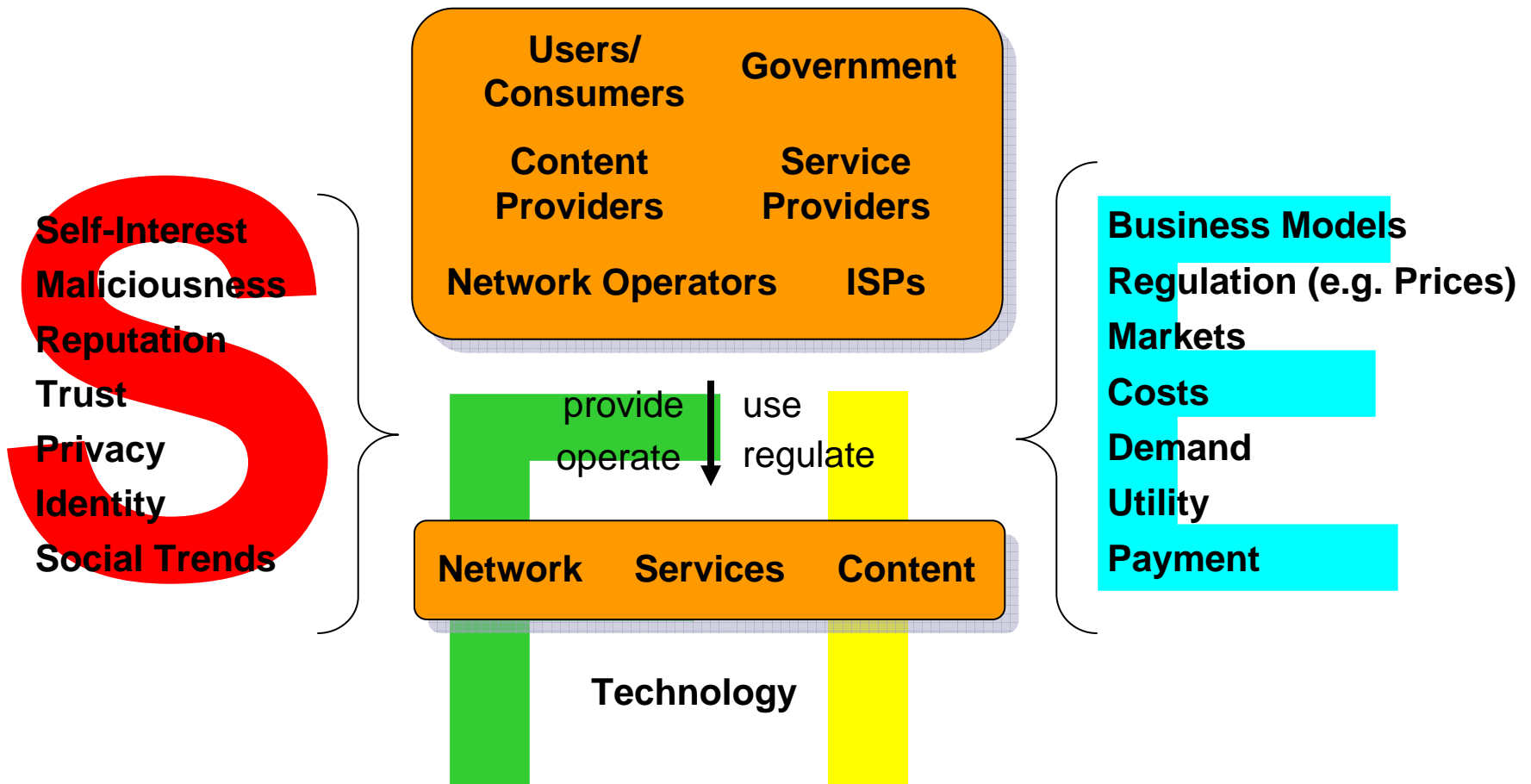






# Introduction and Scope

## Society & Economy





# Goals of this Session

Networking

Brainstorming and discussion

Gain new insights and perspectives on:

- Topics: Which are the most important ones?
- Different viewpoints: How can they be integrated?
- Research agenda: How does it look like?



# Buzzwords

<b><i>Networks</i></b>	<b><i>Services</i></b>	<b><i>Content</i></b>
Business dynamics		
Network neutrality	Identity and privacy	
Governance	Trust and reputation	
Peer-to-Peer content distribution		
Bandwidth markets	Customization	
Universal Internet		Creative commons



# FISE Position Paper

Outcome from Bled

Challenges and Perspectives

Input to this session

Submitted to „FIA Prague Book“

Available on the FISE Wiki

Feedback welcome

## Future Internet Socio-Economics – Challenges and Perspectives

David Hausheer\*, Pekka Nikander, Vincenzo Fogliati, Klaus Wüstel, María Angeles Callejo, Santiago Ristol Jorba, Spiros Spiros, Latif Ladid, Wolfgang Kleinwachter, Burkhard Stiller, Malte Behrmann, Mike Boniface, Costas Courcoubetis, and Man-Sze Li

hausheer@ifi.uzh.ch, pekka.nikander@ericsson.com, vincenzo.fogliati@telespazio.com, klaus.wuestel@calcatel-lucent.de, macr@tid.es, santi.ristol@atosresearch.eu, spiso@intracom.gr, latif@ladid.lu, wolfgang.kleinwachter@edion.com, uni-halle.de, stiller@ifi.uzh.ch, behrmann@game-bundesverband.de, rj0811@innovation.soton.ac.uk, courcou@ueb.gr, msl@icofocus.co.uk

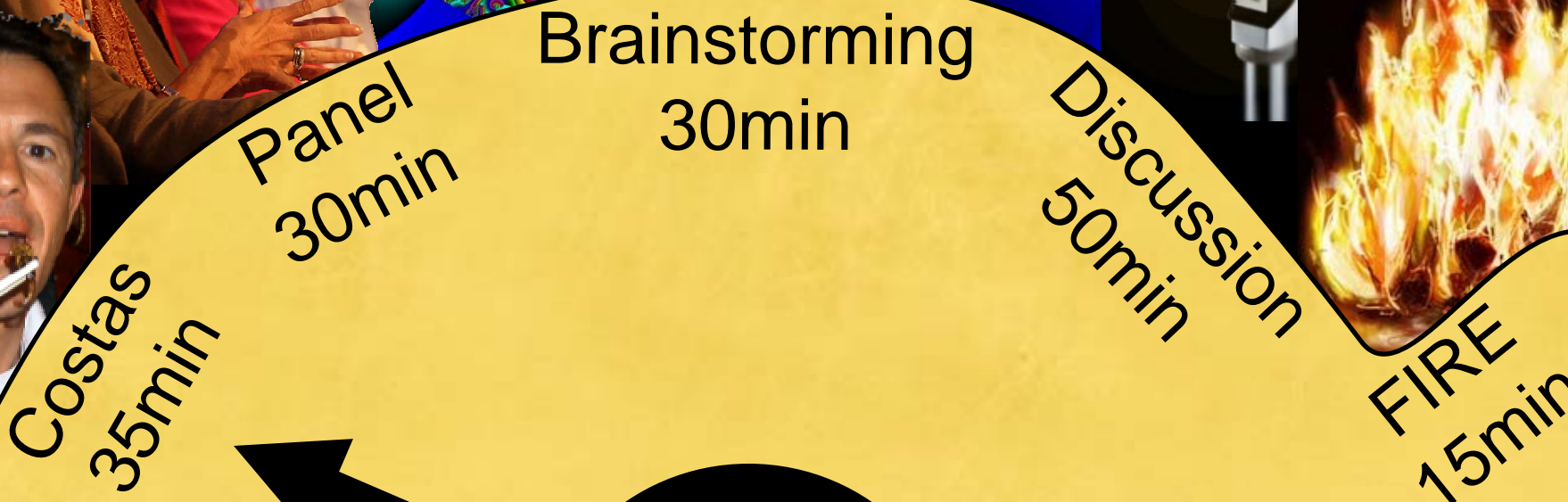
**Abstract.** Socio-economics aims to understand the interplay between the society, economy, markets, institutions, self-interest, and moral commitments. It is a multi-disciplinary field using methods from economics, psychology, sociology, history, and even anthropology. Socio-economics of networks have been studied for over 20 years, but mostly in the context of social networks instead of the underlying communication networks. The aim of this paper is to present and discuss challenges and perspectives related to “socio-economic” issues in the Future Internet. It is hoped that this will lead to new insights on how to structure the architecture and services in the Internet of the future.

**Key words:** Socio-economics, Future Internet, networks, services, users, providers, business models, pricing, markets, QoS, trust, user identity, privacy, content, creative commons, user behaviour, P2P networks, standardisation, universal service, regulations, value chains, customization, Internet governance, network neutrality

### 1 Introduction

The Future Internet Assembly (FIA [4]) is a European initiative that has recently been established with the goal to shape the Internet of the future. This initiative, which is backed by a number of European research projects under the EU Seventh Framework Programme (FP7), follows similar activities in the US (GENI [6], FIND [2]), Japan (AKARI [1]), and Korea (FIF [3]). Over the past decades, the Internet has grown and evolved to unprecedented size. However, its architecture is still based on the original design principles for an academic network in a “friendly” environment. Since then, the Internet has changed enormously both in size and in the way it is being used. In addition to the academic usage, the

\* Corresponding author



**Agenda**

**3 hours!**



## Session Agenda in Detail

- 16:40 **Keynote**  
Costas Courcoubetis (AUEB)
- 17:15 **Panel**  
Pekka Nikander (HIIT & Ericsson)  
Costas Courcoubetis (AUEB)  
Malte Behrmann (GAME)  
Vincenzo Fogliati (Telespazio)  
Klaus Wuenstel (Alcatel-Lucent)  
Mike Boniface (IT Innovation)
- 17:45 **Discussion**  
Moderator: Pekka Nikander (HIIT & Ericsson)
- 19:05 **Use Cases for FIRE Experimental Facilities**  
Susanna Avéssta (Dimes)
- 19:20 **Summary and Conclusions**



# Back channel

Jabber

Chat room:

[fise@conference.jabber.postel.org](mailto:fise@conference.jabber.postel.org)





## Keynote

### Costas Courcoubetis Athens University of Economics and Business



- Diploma from NTUA, 1977
- MS and PhD from UC Berkeley, 1980/1982
- Bell Laboratories, 1982-1990
- Professor at University of Crete, 1990-1999
- Professor at AUEB since 1999



# FISE Wiki

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**Future Internet Socio-Economics**


Future Internet Socio-Economics (FISE) is a working group inside the [Future Internet cluster](#) of the [EU Seventh Framework Programme \(FP7\)](#).

The goal of this activity is to create a network among people who are active in the area of Socio-Economics and the Future Internet.

- [Meetings](#)
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People willing to contribute to the FISE working group, please contact the [WG chair](#) to get an invitation.

Involved FP7 Projects:

Done



**Thank you for attending!**