

# Position Paper

## FIA Madrid Socio-Economics Session

### Date and Location

*Future Internet Assembly Meeting*

*Madrid, Spain, December 9-10, 2008*

*Socio-Economics Session*

*December 9, 2008, 16.30 – 18.30*

### Caretakers

*Pekka Nikander (PSIRP) and David Hausheer (SmoothIT)*

### Participants / Organising Committee

<i>Name</i>	<i>Organisation</i>	<i>Project</i>	<i>Cluster</i>
David Hausheer	University of Zurich	SmoothIT	Future Networks
Pekka Nikander	HIIT & Ericsson	PSIRP	Future Networks
Malte Behrmann	GAME	4NEM	Content
Vincenzo Fogliati	Telespazio	sISI	Future Networks
Antonio Alfaro Diaz	Rose Vision	sISI	Future Networks

### Scope

The socio-economic session cuts across all domains. In particular, it tackles questions along the following three major objectives:

- Economics: who pays, along with consideration for costs, pricing, benefits, etc.
- Social aspects with respect to content production
- Social needs striven by the mankind internet

### Socio-Economics

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 30 years, but mostly in the context of social networks instead of the underlying communication networks. The aim of this activity is to educate the European Future Internet community about the existing research results. It is hoped that the activity will lead to new insights on how to structure the architecture and services in the Future Internet.

Keywords: social needs, economics, business models, pricing

## Content

Considering content is becoming more and more important for Future Media Internet (FMI), including technologies for content manipulation and transmission, and content creation it self. On the other hand, content itself sometimes acts as a technology driver. For example, today content is created on multiple devices, largely self-organized by communities and centered on aggregators. Business models, human machine interfaces, and the cultural implications affect the technological success. Content is also increasingly responsible for the definition of technology standards, leading to synergies between different delivery platforms and different media forms. Know how on cameras, recorders, production equipment, and displays are the 'vanished sciences' for Europe.

Keywords: content-centric, creation, HMI, aggregator, standardisation

## Mankind Internet

Broadband access to telecommunication network capacity and services must be guaranteed “anywhere-anytime” to universally exploit Internet, present and future, which is becoming a fundamental service that communities use and rely upon. As such, Future Internet shall be able – among others – to support daily life in developed countries such as within developing countries. Telecommunication infrastructures must be conceived to guarantee access to the Future Internet also where currently it is poor: in this view the role of Satellite Communications can be of primary importance to guarantee a real universal “anywhere-anytime” Future Internet.

Keywords: Universal service, anywhere-anytime

## Research Orientations

Some topics of interest which the session aims to address are listed in the following table.

<i>Networks</i>	<i>Services</i>	<i>Content</i>
Provider business models	Security	Value of content
Pricing QoS	User privacy	Privacy of content
Network neutrality	Trust and reputation	P2P content distribution
Regulation	Identity	Creative commons
Internet governance	Universalization	New business models
Bandwidth markets		Customer usage behaviour

## Roadmap and Milestones

- Wiki page: <http://www.smoothit.org/wiki/pmwiki.php/FISE/FISE>
  - Purpose: create a network among people who are active in the area of Socio-Economics and the Future Internet
  - Main source of information about Future Internet Socio-Economics, such as meetings, people involved, topics of interest, white paper, relevant papers, links, etc.
- White paper : outcome from the Bled event, input to FIA Madrid
  - First draft of the paper ready before Concertation Meeting on September 30
  - Get feedback from experts in the field during October
  - Final version of the paper ready before the FIA Madrid

## Preliminary Session Agenda

<i>Time</i>	<i>Agenda Item</i>	<i>Name</i>
16.30-16.35	Introduction	David Hausheer, Pekka Nikander
16.35-17.00	Keynote	Costas Courcoubetis?
17.00-17.20	Socio-Economics Panel (2 slides, 5 min each) - Economic Aspects of the Future Internet - Socio-Economic Aspects of Content Production - The Mankind Internet Additional Topics - The Role of Trust and Reputation	Pekka Nikander Costas Courcoubetis? Malte Behrmann Vincenzo Fogliati  Santi Ristol?
17.20-18.25	Socio-Economics Discussion - Group-Brainstorming: 20 min - Discussion: 45 min	Pekka Nikander
18.25-18.30	Summary and Conclusions	David Hausheer, Pekka Nikander