THE FUTURE NETWORKS CLUSTER ACTIVITIES: KEY TAKE AWAY FROM ETSI FUTURE NETWORKS WORKSHOP

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The 2nd FNTws – Overview

Sophia Antipolis, 26-27 September 2011
Over 100 participants
Sessions on
- Architecture
- Content centric networks
- Taking care of the end user
- Autonomic network management
- Mobile networks architecture and virtualization
- Discussion on the next steps for the future network area

http://www.etsi.org/WebSite/NewsandEvents/Past_Events/2011_FUTURENETWORKSTECHNO.aspx
Issues Raised During the Workshop
Issues (1)

- **Research Agenda for future networks**
  - What about the European level spectrum harmonization requirements?

- **Foundations of the internet design**
  - Is analytic approach quick enough getting innovations to market?
  - What are the standards body which could do something on that?
  - Current systems not terribly well architected

- **Green networking**
  - What KPIs exist to measure greenness?

- **Alternative packet transport networks**
  - Problem of source routing in general (failed to be well standardized so far)

- **Mobile video applications**
  - Which approach and its suitability in the current standardization landscape?
Maturity of Intelligent Content Networks
- Many different technologies suitable

Security, trust and network resilience
- Robustness to be included in the work on future networks from the very not as subsequent add-on design

Who verifies the trust predicates and trust policies defined by UniverSelf and the ETSI AFI (Autonomic network engineering for the self-managing Future Internet)?
- UniverSelf research results are fed into the ETSI AFI

Trust in autonomies
- Cognitive perspectives
Welcome to the World of Standards

Possible Way Forward
What to Should Be Done

- **Foundations of the internet design**
  - Call for starting a more analytic approach for standardizing a Future Internet

- **Green internet**
  - Measurements/Certification of greenness
  - Checked relationships among ongoing activities in IETF EMAN, ETSI EE,...

- **Mobile video applications**
  - Splitting and merging IP video flows to increase the allocated bandwidth

- **adaptive control**

- **Network virtualisation, may include**
  - Modelling language and resource description
  - Design requirements

- **Integration of web technologies**
Who Should Write the Standards?

In all the history of standardization the most successful standards always were written by those who use them later on.

A really successful standard is used by the vast majority of those who offer products of the particular technology on the market.