

Enterprise **C**ollaboration & **I**nteroperability



Short Summary Report

FI Assembly Session

What does Future Internet mean for enterprise?

Stockholm, November 23rd 2009

Sergio Gusmeroli
TXT e-solutions SPA



Different Architectures (I)

1. Henrik Abramovicz (4WARD MANA)

- i. Vertical application segments are being established. How will these emerging segments and their business models impact architecture? Will this lead to a situation of many Internets, with huge maintenance effort? Or is it possible to keep the core architecture as generic as possible?
- ii. Global Trends: Business merging, pro-sumers, federated vs. end-to-end
- iii. How to change? Migration, evolution, programmability?

2. Alex Galis (MANA)

- i. Current Internet is a network of interconnected uncoordinated networks
- ii. 80% of the costs are for operations / management (not innovation, new services)
- iii. Hourglass model not applicable any longer, Orchestration-Self-Management-Virtualization Systems to allow Resources and Applications to talk each other (8 research priorities, e.g. identifiers, composable resources)

3. Simon Delaere (FISE)

- i. Need for a generic core architecture, generic business architecture (ontologies), horizontal platforms, trust/certification, socio-economic experimentation (testbeds and Living Labs) BM do not exist in a vacuum
- ii. Horizontal platforms: control of Assets – control of Customers quadrant in the wireless market (neutral, enabler, broker, system integrator)



Different Architectures (II)

4. Frederic Gittler (FISO)

- i. A polymorphic infrastructure, is there a single core beyond TCP/IP? How are the boundaries between silo systems (e.g. IoS IoT IoC)?
- ii. A reference architecture (NEXOF RA) for research (foundations / consolidate innovation) and deployment (guidance) of service platforms
- iii. Patterns: Enterprise SOA, Internet of Services

5. Volkmar Lodz (T&S)

- i. Security is not about perfection, be prepared for inconvenience, economics
- ii. SDF (Service Delivery Framework) with T&S services and risk management

6. Theodore Zahariadis (FCN)

- i. New experiences at home, on the move
- ii. Design principles: simplicity, support new Business Models (prosumers), sustainability, scalability
- iii. At the end we have Content (stored or streaming), content-aware overlays