

“ID Management, including routing and addressing in the Future Internet”



session Format

- 1,5 hours time slot: Nov. 23rd, 11:00 – 12:30
- facilitate multi-disciplinary discussions
 - across FIA domains with particular focus on e-ID
 - also covering Security and privacy
- introduction (5 min)
- 2 panels (35 min each):
 - What are the problems/challenges for e-ID for the FI.
 - Prioritisation of the problems/challenges and how to address them.
- next steps towards Valencia 2010 (15 min)



Speakers addressing problem statements

- **PS1: Identification, Naming, Addressing & Routing** requirements for the Future Internet
 - PS2: Coherent & comprehensive **interoperable frameworks** for handling all **aspects of usage and management** of eID
 - PS3: **Contextual usage** of multiple identities and user aspects
 - PS4: **Service description frameworks** and **languages**
 - PS5: Consideration of **Legal, Regulatory and Governance** policies and **compliance** issues
 - PS6: **Security** and **Privacy**
- outcome of T&I workshop on Oct. 7th will be used to set up the speaker list and finalise the agenda of the session

Sample points of Discussion



- Different types of identifiers, including partial identifiers (age > 70 yrs, etc.), roles, etc. (and appropriate anonymity)
- naming and addressing issues in federations and multi-domain environments;
- addressing schemes where identity/identifiers and location are not embedded in the same address;
- mechanisms for publish/subscribe, aiming for a balance of incentives and roles between the sender and the receiver, e.g., information based publish / subscribe routing protocols;
- Networking based on eIDs (routing, forwarding Based on eIDs)
- New and integrating naming frameworks for objects and services at all relevant FI levels;
- security properties of names and identifiers;
- Governance schemes for FI identifiers;
- What if eID is stolen or corrupted? Graceful ways of handling this.

“How to Measure Trust” session

Format



- 1,5 hours time slot: Nov. 23rd, 14:15 – 15:45
- facilitate multi-disciplinary discussions
 - across FIA streams
 - among computer scientists, economists, sociologists, legal researchers
- introduction (5 min)
- 2 panels (35 min each):
 - what does trust in the FI mean, i.e., what is to be captured / measured / evaluated
 - how to measure, including technical aspects (e.g., how to probe a service) and non-technical aspects (e.g., risk management methodology)
- next steps towards Valencia 2010 (15 min)

Speakers ?

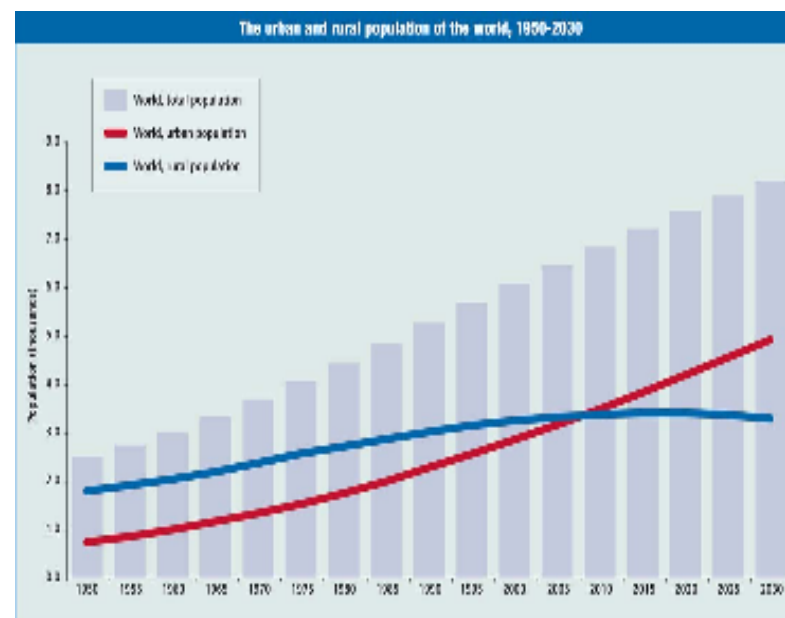
- on trust and reputation in on-line environments including the FI scenarios
 - on risk management
 - on security metrics and their role (or non-role) in trust measurement
 - on economical aspects
 - on legal aspects (i.e., trust establishment through legal frameworks and contracts)
 - on usability
- outcome of T&I workshop on Oct. 7th will be used to set up the speaker list and finalise the agenda of the session

Sample points of discussion

- Do we need to measure trust, trustworthiness, risk, cost, ...? Or all of them? How to measure them? How to relate them?
- The targets of measurements: networks, components, services, platforms, people, ...
- Trust is about social relations and context, how to capture them in the FI? What is the nature of a social relation in the FI?
- Do social and economical models of trust scale to the FI and its entities?
- Interdependencies of technical features and social mechanisms in trust evaluation
- The role of reputation systems in measuring trust
- The terminology question
- Simplicity and usability of trust metrics (the majority of FI users are non-IT people)

Smart Cities

- Our interpretation of ‘smart’ is the ability to model, measure, optimise, control, and monitor complex interdependent systems of dense urban life.
- A Future Internet must offer the means for a multiplicity of services, working independently and together, to interact with and manage all aspects of urban life.
- Problem domains for FIA
 - Smart city enabling infrastructure
 - Smart city services and applications
 - Smart city information models
 - Techno-socio factors of smart city eco-systems





Preparation Workshop 7 October 2009: Objectives

- To bring together FIA domain members (in a less formal setting than the FIA events)
- Review **cross domain Trust and Identity issues**, building on the achievements so far
- Identify **multi-disciplinary requirements and challenges** for a Trustworthy Future Internet, especially in relation to privacy and identity, trusted platforms and experimental facilities
- **Establish common-interest priority topics for future events** (FIA Stockholm and Valencia) and best ways forward
- Discuss **priorities** along the lines of the research challenges foreseen in federated, open and trusted platforms related to the Future Internet
- The result of the workshop will be an **agreed agenda(s) for the FIA Stockholm sessions**.
- Participants invited from all domains and relevant projects and initiatives and **> 90%** are already confirmed to attend.

Workshop 7 October 2009: Agenda



10.00 – 10.30 Registration; Venue: Avenue de Beaulieu BU33 0/54, Brussels

10.30 Introductory session. 30 minutes

Welcome Jacques Bus, Head of Unit F5, “Trust and Security”

Workshop goals Jim Clarke, Waterford IT

Recap FIA contributions, Stockholm contributions, FOT contributions. Volkmar Lotz, SAP

11.00 – 12.30 Position Statements. 15 minutes each

Position statements on the key areas of the Future Internet in terms of Federated, Open, Trusted Platforms as outlined in the [report](#) of the working group and what are the difficult research challenges.

Networks - Amardeo Sarma, NEC Laboratories Europe

Content - Pierre–Yves Danet, Orange FT Group

Service Platforms – Mike Surridge, IT Innovation, University of Southampton

Service Infrastructure - Philippe Massonet, CETIC

Identity and Privacy - Caspar Bowden, Microsoft

RISEPTIS – Willie Donnelly, Waterford Institute of Technology

12.30 Lunch

1.30 Moderated Discussion session - Moderator Nick Wainwright

Have we identified the critical challenges

What’s missing, are we ambitious enough and looking far enough ahead?

3.00 Experimental approaches - Moderator Nick Wainwright

What experimental facilities are needed to test / explore F-O-T platforms?

3.30 Planning for FIA - Moderator – Jim Clarke and Volkmar Lotz

- How to make FIA work better for us all (15’)
- Put up high level agenda for Stockholm and start to populate the sessions with the topic areas and speakers as discussed earlier in the day. (40’). note: This would relate to not only the Trust and Identity and FIRE sessions, it could also assist in the agendas for the other topic areas.
- Topics beyond FIA Stockholm, preparations for FIA Valencia (30’)
- Think-Trust consultation process – Keith Howker, WIT (5’)
- AOB – Future events

5.00 Close