



# **FIA Trust and Identity cross-domain Workshop Stepping stones towards FIA Stockholm**

**7<sup>th</sup> October 2009, 10:30 – 17:00 (Reg. 10:00 – 10:30),  
Avenue de Beaulieu BU33 0/54, Brussels**

**How do we make FIA work better for us  
Topics for FIA Stockholm**

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# “How do we make FIA work better for us all?”

- As said already earlier
  - Less formal sessions in between
  - More cross domain interactions
- Additional points from today:
  - Give more people their say (not just caretakers)
  - Homeworks eg. Collaborate on position papers (prefer against counter-papers!)
- Provide more information about FIA, expectations and goals
  - To FIA signatory project communities
  - To External communities ??
- FIA Stockholm – focus on 2-3 top challenges from WS today and schedule topics for FIA Valencia (and beyond).

# What will happen

FIA Stockholm	FIA Valencia	FIA .....
ID 1.5 hrs	TBD	TBD
How to measure Trust 1.5 hrs	TBD	TBD
TI Plenary 1.5 hrs	TI Plenary	TI Plenary

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



- 1,5 hours time slot: Nov. 23<sup>rd</sup>, 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. 7<sup>th</sup> will be used to set up the speaker list and finalise the agenda of the session

# Sample points of Discussion



- New and integrating naming frameworks for objects and services at all relevant FI levels;
- 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)
- 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. 23<sup>rd</sup>, 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. 7<sup>th</sup> 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

