



EUROPEAN COMMISSION

Information Society and Media Directorate-General

Converged Networks and Services / Emerging Technologies & Infrastructures

Subject: Minutes of FIA Caretakers meeting 18 September 2009

These minutes contain an overview of what was said during the meeting of 18 September, but also includes new information, which came available after the meeting and which is important for everybody to know.

1. THE IMPORTANCE OF FIA FOR FUTURE INTERNET RESEARCH

Mr. Joao da Silva/ Mr. Mario Campolargo explained the latest news about Future Internet. Currently the EC is preparing a Communication on Future Internet, which will pave the way for a PPP on Future Internet. In order to make this PPP a success it is very important that networking among different stakeholders and research communities on a large scale is happening. The FIA is a very important tool for that, since now for two years a research community with all dimensions needed for the PPP is growing. So one answer on the recurring question "what are we heading for with the FIA" is community building and extension of the networks between communities. In order to build successful projects for the PPP the FIA community as it is now needs to be further extended with other communities (in the field of electricity, transport and health, etc). The PPP needs to be very ambitious. All projects funded by the PPP will be very large, so they cannot be carried out by a few participants. The whole community is needed for that!

2. AGENDA STOCKHOLM MEETING

The facilities for the meeting in Stockholm were explained. The following agenda of the FIA in Stockholm was approved. The Swedish organiser will investigate if it is possible to give an introduction to the art collection of the museum that we will visit during the social event in the evening.

It was also discussed whether the 9 extra topics will help to achieve integration or whether they are just creating more fragmentation. If the 9 extra topics will become automatically a topic again in Valencia the risk on more fragmentation exist since these will become groups on their own. This is not the idea. Only the existing 7 groups should remain, and the 9 topics should be re-identified again for Valencia. Some might be completely different, some might be a 'part B', but a progress is necessary (no progress would imply the topic to be too broad or poorly targeted) Now every topic has 90 minutes. It could be that it is more useful to have longer sessions of 2 hours. This implies that the overall duration of a FIA workshop should be 2 full days instead of 1,5 days.

FIA Stockholm

November 23, 2009			
7.30-8.30	Registration		
8.30-10.30	Plenary introductory session Welcome message, Gunnar Landgren, Professor – Vice Rector of KTH (15') European Perspectives & Orientations, Mario Campolargo, Director, EC (30') Industry preparations for a FI PPP, David Kennedy on behalf of ETP's (15') Socio-economic viewpoint on FI (30') Questions (30')		
10.30-11.15	Coffee break with Posters		
11.15-12.45	Different architectures for different business models?	ID Management, including routing and addressing in the Future Internet	What does it mean to conduct experimentally driven research?
12.45-14.15	Lunch break with final 30 minutes Posters and coffee		
14.15-15.45	Orchestration across things, services and content	How to measure trust?	What does Future Internet mean for smart cities?
15.45-16.30	Coffee break with Posters		

FIA Stockholm

November 23, 2009 – cont.			
16.30-18.00	The question of 'Discovery & Search' in the future Internet	What does Future Internet mean for enterprise?	Deploying on "Future Internet Research & Experimentation" (FIRE)

November 24, 2009							
9.00-11.00	FI Socio-economics	Management & Service aware NA	Trust and Identity	Usage of facilities	FI Service Offer	Real-world Internet	Future Content Networks
11.00-11.30	Coffee break and Posters						
11.30-13.30	Future Internet as seen by Ericsson - Hakan Eriksson (30') Summary of Achievements, by the Breakout Session Rapporteurs (70') The Future Internet conference in Valencia - Host Introduction (10') Closing message by Mario Campolargo (5')						
13.30-14.30	Lunch						

3. STATUS OF BREAK OUT SESSIONS

Socio-economics session during the plenary of 23 November:

There will be two presentations on the intersection between Society, Economy, Regulation, Technology, and Trust. First one will be of Peter Ljungstrand, Chalmers University of Technology, and the second one still needs to be determined.

(1) *Different architectures for different business models?*

The final aim is to develop a roadmap for research results in this field. It was suggested that this could be a best practice that all sessions follow. It was also suggested that FISO and T&I will send comments to Henrik in order to include their point of view, and that the Prague session on architectures would be reviewed in order to take into account the status of that moment.

(2) *ID Management, including routing and addressing in the Future Internet*

General ideas are well-developed. On 7 October there will be an event in Brussels where the agenda and speakers will be further decided. See Annex 1 for the agenda of 7 October. All FIA participants with interest in this topic are invited.

(3) *What does it mean to conduct experimentally-driven research?*

Nancy Alonistioti is developing this topic together with others, outside the view of FIA Caretakers. It seems that this topic is very relevant for the type of research that the PPP will carry out, and a speaker from the PPP is involved (Didier Bourse). Tasos will identify whether more involvement of the other groups is necessary.

(4) *Orchestration across networks, things, services and content*

Session nicely integrates several points of view. Alex will try to include also the typical services point of view of orchestration through BPEL, represented by Dimka Karastoyanova (Univ of Stuttgart).

Alex also mentioned that he would like to have a clearer view on where we are heading to with the FIA. Do we still want to:

- (a) Develop a joint strategic research agenda for the Future Internet encompassing common actions and requirements
- (b) Foster common research deliverables and results creating value for the EU research projects concerned
- (c) Developing a consolidated calendar of events aiming at avoiding fragmentation of research efforts in Europe”

If so, what do we need to do now so that in Valencia we will have

- Milestones and Roadmaps to plan and coordinate FI Platform developments.

- Integrating a set of essential and high impact research results progressing the FI capabilities set / interdisciplinary priorities
- Develop detailed FI System Architectures, Functions and Capabilities documents (cross groups document)

The EC believes that the FIA has a very important role for the preparation of a successful PPP. All dimensions of successful PPP's are discussed and actors in previously separated fields are thanks to FIA networking. Projects are being influenced by the discussions at the FIA and if groups are willing to jointly develop roadmaps and system architectures, this is very good. However, these can also come from projects which have the right set of actors to develop such results, for instance from the PPP or projects funded in Call 4 and 5 and FP8.

Alex also reported about a message from Naotaka Morita (Chairman of ITU-T FG-FN morita.naotaka@lab.ntt.co.jp) who would like to collaborate more with the FIA. If any body is interested please contact Alex to see what concretely can be done.

(5) *How to measure trust?*

This session will have a short introduction and then two panels on

- what does trust in the FI mean, i.e., what is to be captured / measured / evaluated
- how to measure trust, including technical aspects (e.g., how to probe a service) and non-technical aspects (e.g., risk management methodology)

On the T&I meeting of 7 october (see Annex 1) speakers and refinement of these panels will be established and cross cutting nature will be reinforced.

(6) *The question of 'Discovery & Search' in the future Internet*

The main focus will be on understanding the viewpoint of discovery and search in content, services and internet of things. For that a set of questions has been defined which will be answered by representatives from different communities. It could be a good idea to involve people from Quero and Theseus, resp. a French and German national large scale initiative in this area.

(7) *What does Future Internet mean for smart-cities?*

Smart Cities is a new topic on the FIA. The proposal is to have a key note speech from somebody who was involved in development of a real Smart City (Songdo City (Korea), Meixi Lake (China)).

This will be followed by a knowledge cafe organised around 4 topics

- Smart city enabling infrastructure
- Smart city services and applications
- Smart city information model
- Techno-socio factors of smart city eco-systems

Several suggestions were given for leveraging previous knowledge on smart cities and intelligent cities. Alex will take these into account. After the meeting Georgios Tselentis of the EC mentioned that the day after there will be a meeting of mayors of cities of Europe. He will try to see if he can involve them in this session or that this group can make a presentation on their meeting and he will contact Alex Gluhak about it.

(8) *What does Future Internet mean for enterprise?*

Man-Size Li explained the objectives of this session and the link between the FINES cluster in unit D4 and this session. So there is already a large community involved in the development of these ideas. 12 November there is another cluster meeting where this session for FIA Stockholm will be further prepared.

(9) *Deploying on “Future Internet Research & Experimentation” (FIRE)*

The session will have two subgoals: Deployment of trust, identity and security technology and deployment of a cloud infrastructure (OpenNebula) to serve as an interface layer to deployment of other services on FIRE. The session might be structured as a question and answer.

4. POSTER SESSIONS ON THE FIA AND FIA BOOK

The overall planning of the preparations for the FIA Book remains unchanged. Deadline for extended abstracts for poster selection is 30 september. Everybody is requested to advertise this as much as possible.

5. SUGGESTED SPEAKERS OF A PPP ON FUTURE INTERNET

The PPP has suggested that they can contribute to the different break out sessions with the following speakers:

- Different architectures for different business models? Didier Bourse, Alcatel, Thomas Michael Bohnert, SAP
- What does it mean to conduct experimentally driven research? Didier Bourse, Alcatel
- Orchestration across networks, things, services and content. Jean-Dominique Meunier, Thomson
- What does Future Internet mean for smart cities? David Kennedy, Eurescom
- What does Future Internet mean for enterprise? Stefano De Panfilis, Engineering

6. F-O-T PLATFORM REPORT – WEB CONSULTATION ON WWW.FUTURE-INTERNET.EU

Request for comments on F-O-T Platform will remain open until 30 september. So far, nobody has commented. Perhaps it could be an idea that some of the caretakers repeat their comments they had on previous versions, in order to overcome the "being the first" barrier. Everybody to stimulate the provisions of comments.

7. PROPOSED CALENDAR

- 25 September – A publishable text describing the objectives and agenda of each session on the FIA Stockholm will be send to Tasos Gavras (gavras@eurescom.eu, info@future-internet.eu), Rikard Lingstrom (rlm@kth.se) and Anne-Marie Sassen (anne-marie.sassen@ec.europa.eu). This will be published on www.fi-stockholm.eu and www.future-internet.eu.
- Rapporteurs are assigned to each topic
- Tentative caretaker meeting of 16 October is cancelled.
- Before Stockholm: Finetune session and make participants aware of the issues. For this purpose it will be studied how the caretakers can make use of registration information without harming privacy statements.
- In Stockholm
 - hold the sessions with a view towards dispelling as many disagreements as possible (remember: audience should be aware of the issue well in advance)
 - if questions remain (and are of importance enough), narrow them and propose a follow-up topic for Valencia
 - Decide immediately of topics for Valencia. There will be a lunch meeting from 13.30 – 15.30 for all FIA caretakers and the EC.
- After Stockholm
 - finalise reports

Next preparation meeting for FIA Valencia: 22 January 2009 in Brussels



Annex 1: FIA Trust and Identity cross-domain Workshop

Stepping stones towards FIA Stockholm

7th October 2009, 10:30 – 17:00 (Reg. 10:00 – 10:30),

Avenue de Beaulieu BU33 0/54, Brussels

Introduction

A questionnaire was recently sent to the FIA caretakers regarding the current and future structure of the FIA. Some of the issues raised by the caretakers included:

- Need to have less formal event(s) to explore greater synergies between research communities;
- Difficulties with parallel panel sessions during the FI Technical days (eg. T&I and Content or Networks);
- Between official FIA events, caretakers spend disproportionate amounts of their time dealing with administrative aspects eg. locating / inviting speakers and topics, instead of more pro-active and productive technical discussions amongst the members in the other FIA domains areas.

Workshop Objectives

1. To bring together FIA domain members (in a less formal setting than the FIA events) from the **Trust and Identity FIA community** with the members of the other FIA domains: **Future Content Networks, Management and Service-aware Networking Architectures, Future Internet Service offer, Real World Internet, Socio-Economics, Future Internet Research and Experimentation, Software and Services,**
2. To provide an opportunity to review **cross domain Trust and Identity issues**, building on the achievements so far (in annex, list of documents from FIA Bled, Madrid, Prague, ..)
3. Allow for open and frank discussions on what the important **multi-disciplinary requirements and challenges** are for a Trustworthy Future Internet, especially in relation to privacy and identity, trusted platforms and experimental facilities
4. Enable early discussions on **common-interest priority topics for future events** (FIA Stockholm and Valencia) and best ways forward

5. Discuss priorities along the lines of the research challenges foreseen in federated, open and trusted platforms related to the Future Internet, as set out in the report available online at <http://forum.future-internet.eu>
6. The result of the workshop could be an **agreed agenda(s) for the FIA Stockholm sessions**.

Agenda and Mapping to Objectives

10.00 – 10.30 Registration

10.30 Introductory session. 30 mins - Objective 1, 2

- Workshop goals etc.
- Recap FIA contributions, Stockholm contributions, FOT contributions.
[Objective 2]

11.00 – 12.30 Position Statements. 15 minutes each – Objectives 3, 4, 5

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. **Note, these can be presented on behalf of the attendees by a champion from the topic area.**

- Networks
- Content
- Service Platforms
- Service Infrastructure
- Identity and Privacy
- RISEPTIS

12.30 Lunch

1.30 Moderated Discussion session - Objective 3, 4, 5

- Have we identified the critical challenges
- What's missing, are we ambitious enough and looking far enough ahead?

3.00 Experimental approaches - Objective 3, 5

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

3.30 Planning for FIA - Objectives 4, 6

- How to make FIA work better for us all
- 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.
- 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.

5.00 Close

Participant List

Name	Company
Henrik Abramowicz	MANA
Markus Brunner	MANA
Jim Clarke	Trust and Identity
Petros Daras	FCN
Stefano De Panfilis	FISO
John Domingue	FISO
Alex Galis	MANA
Anastasias Gavras	FIRE
Alex Gluhak	RWI
Philippe Laurier	Trust and Identity
Man-Sze Li	FISO/RWI/FISE
Rikard Lingström	Swedish Organiser (KTH Stockholm)
Burkhard Stiller	FISE
Theodore Zahariadis	FCN
Albena Mihovska	RWI
Norbert Niebert	FCN
Jean-Dominique Meunier	FCN
Inge Ceuppens	EC-INFISO-F
Yves Paindaveine	EC-INFISO-F5
Miguel Montarelo	EC-INFISO-D1
Manuel Mateo	EC-INFISO-D4
Martin Hahn	EC-INFISO-D2
Anders Hedman	EC-INFISO-F2
Per Blixt	EC-INFISO-F4
Rainer Zimmerman	EC-INFISO-D1
Jacques Bus	EC-INFISO-F5
Joao Da Silva	EC-INFISO-D

Mario Campolargo	EC-INFSO-F
Franco Accordino	EC-INFSO-F
Anne-Marie Sassen	EC-INFSO-D3