



Effectsplus Open Communications Event

Workshop : 1st February, 2011

European Commission, B-1049
Brussels, Beaulieu 33, Brussels,
Belgium

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1 Executive Summary

Effectsplus¹ is an FP7 Coordination Action that started September 1st 2010. Effectsplus has the following main activities

1. The coordination of the trust, security, privacy and compliance for the future internet via the structure and activities of the Future Internet Assembly (FIA) and the activities of Effectsplus dedicated Trust and Security FIA caretakers.
2. Creation of Trust and Security (T&S) Project clustering.
3. Through the clustering activities, the provision of a channel for feedback and dissemination of R&D results/issues, bringing together and identifying challenges for the trust and security strategic research agenda. This in turn will contribute towards a specific trust and security research roadmap as input to FP8.

The aim of this workshop is detailed as follows

- The actual technical clusters *Effectsplus* will set up and run in 2011.
- Details on EU T&S research projects involvement in such clusters. (expected workings and outputs of cluster activities)
- Benefits for EU T&S research projects participation in *Effectsplus* clustering activities.
- Contribution towards Trust and Security roadmapping activities towards FP8 and FISA (Future Internet Support Action) activities.

The web site for the Effectsplus is <http://www.effectsplus.eu/>.

All trust and security projects are encouraged to take an active part in the Effectsplus clustering activities in 2011 and 2012.

1.1 Contributing Research Projects

Figure 1 details the projects that were represented at the Effectsplus open communication event on Feb 1st in Brussels.

¹ <http://www.effectsplus.eu/>

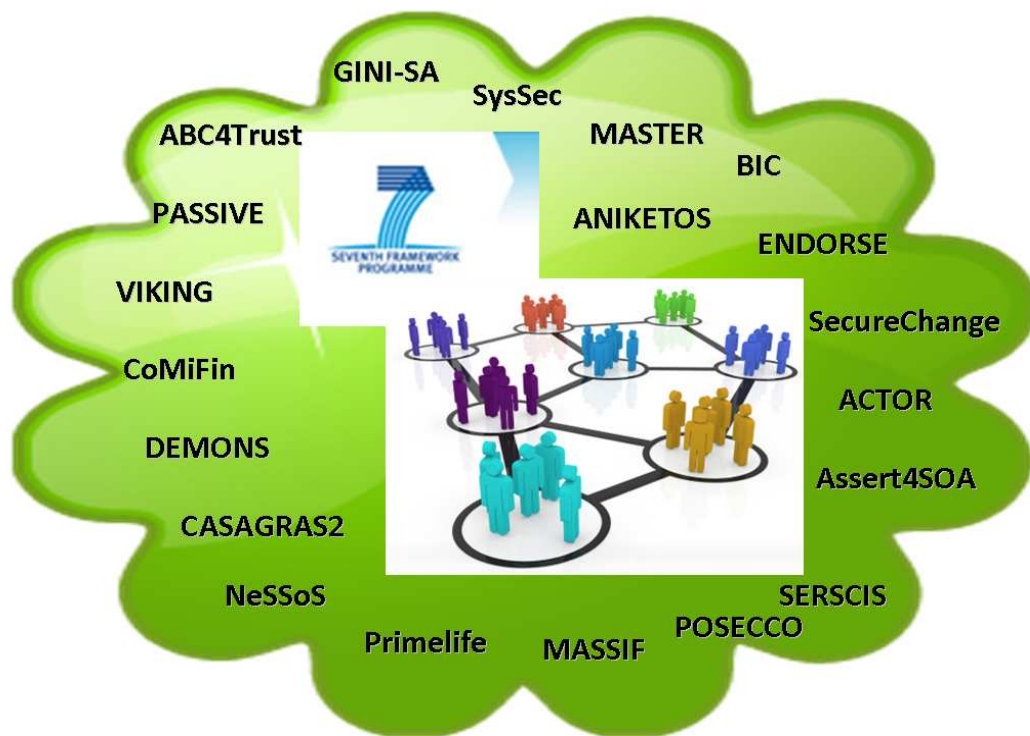


Figure 1 EU Projects Represented at Effectsplus Workshop

2 Workshop Participation

Name	Organisation	Project/Other
Frances Cleary	WIT-TSSG	Effectsplus
Jim Clarke	WIT-TSSG	BIC
Michele Bezzi	SAP	Assert4SOA/Primelife/TWISNET
Ioannis Krontiris	Goethe University Frankfurt	ABC4TRUST
Panagiotis Rizomiliotis	University of Aegean	PASSIVE
Harry Skianis	University of Aegean	PASSIVE
Maria Concepcion Anton	European commission	EC project officer
Vilija Juceviciene	European commission	EC project officer
Cristian Olimid	European commission	EC project officer
Martin Hall-May	University SouthHampton IT Innovation	SERSCIS
Lefteris Leontaridis	IKED	GINI-SA
Trevor Pierce	Avanta Global	IERC
Nick Papanikolaou	HP Labs	Effectsplus
Roberto Baldoni	University of Rome	COMIFIN
Evangelos Markatos	Forth	SysSec
Gunnar Bjorkman	ABB AG	VIKING
Paul Malone	WIT-TSSG	ENDORSE
Satya Rao	ICYOS	DEMONS
Nick Wainwright	HP	Effectsplus
Pedro soria-Rodriguez	ATOS Origin	Effectsplus , MASTER, MASSIF
Fabio Massacci	UNITN	Effectsplus, MASTER, ANIKETOS
Martin Muehleck	European commission	Project Officer
Inge Ceuppens	European commission	Project Officer
Ozlem Cangar	Platte consult	POSECCO
Arthur Leijtens	BICORE SERVICES B.V.	ACTOR
Mario Scillia	European commission	EC project officer
Fabio Martinelli	NATIONAL RESEARCH COUNCIL	NeSSoS
Alvaro Armenteros	Telefonica I+D	DEMONS
Giuseppe Martufi	Elsag Datamat S.p.A.	COMIFIN

3 Opening Address

Mr Cristian Olimid, INFSO Unit F5, Project Officer for Effectsplus.

Mr Olimid, the project officer of Effectsplus welcomed the participants to the workshop. He stressed that the Commission attaches great importance to the objectives of this Coordination Action due to the significant policy and research implications that can be gained. He highlighted the three main objectives, which are:

1. **Coordination of projects' contribution to the development of the future internet (FISA roadmapping).**
2. **Project clustering for more effectiveness and impact from the trust and security area.** Clustering will reduce fragmentation and create synergies amongst the projects and other programmes leading to a more effective use of research funding and to better ratio of efforts versus results. Therefore, Mr.Olimid encouraged participation in Effectsplus activities as a way of ensuring synergies, cross-fertilisation and consolidating the research community on the specific topics.
3. **Based on the above activities, provide input for the strategic European research agenda.** The desired output of Effectsplus is a consolidated view from the scientific and research community, at a time when the future orientations of FP8 are debated. The first relevant input is expected by the beginning of this summer! The EC expects the community to provide information on the following: what are technology and policy challenges, gaps? who are stakeholders?, inputs to future policy, potential solutions and research priorities

In this context Mr. Olimid highlighted the importance attached by the EC, including in the Digital Agenda, to the trust and security field, whether we are referring to the challenges of cloud computing, ensuring a functional digital single market, or guaranteeing individual rights such as privacy and personal data protection. With respect to priorities given by projects to Effectsplus activities, Unit F5 expects projects to participate in these clustering and cooperation activities as it is already a commitment. Additional attention will be paid to this aspect in the future.

Mr. Olimid concluded by emphasising that it was also an opportunity to contribute to shaping future research efforts in the field of trust and security, something which can be of significant assistance to the industry and the research community in preparing their research planning and priorities.

4 Introduction and Workshop Format

Introductory speech by Frances Cleary, The coordinator of Effectsplus. Ms Cleary provided details on the format of the event and an overview of the objectives of Effectsplus, the section below summarises the main points of this presentation.

Slideset can be obtained via the following link

http://www.effectsplus.eu/files/2011/02/Welcome-and-Agenda_Frances-Cleary-WIT_TSSG.pdf

Ms Cleary provided an overview of the agenda showing a plan for a mixture of presentation and interactive session. This included

- The morning session contained presentations on a clustering analysis phase completed within Effectsplus to date, and then a detailed presentation on the cluster creation plans.
- To kick start the clustering activity an initial mini-clustering breakout session of represented projects occurred.
- Following lunch, presentations were given on the Effectsplus *Strategy Board* and Future Internet activities (with an interactive roadmapping ideas-generation session).
- Guest speaker Trevor Pierce (AVANTA Global SPRL), provided a presentation on ‘A brief introduction to IERC and the IERC privacy and security stream’.
- To wrap up the workshop, leaders of the mini breakout sessions provided a summary roundup of ideas and discussions coming from the sessions.

The detailed agenda of the Effectsplus Open communication event can be viewed in [Appendix A](#) of this Report.

5 Clustering Analysis

Clustering analysis, presentation by Fabio Massacci (UniTN), the section below summarises the main points of this presentation.

Slideset can be obtained via the following link

<http://www.effectsplus.eu/files/2011/02/Cluster-analysis-Fabio-Massacci-UNITN.pdf>

For the past few months, Effectsplus has been busy analysing both recent and new projects in the trust and security area, in an attempt to identify gaps and the potential for specific clusters. The preliminary analysis report has been distributed to project coordinators. The analysis was completed through the following main activities in Effectsplus,)

1. Initial analysis of project abstracts available on the Cordis web-site, providing a collection of keywords, and creation of initial links and structures.
2. Through the relevant main project contact details, representatives from each project were contacted and asked to take part in phone interviews relating to their project. The interview covered topical questions such as, project goals and innovations, and foreseen clustering participation interests.

Following the project interview phase, initial proposed cluster formations were identified.

Through the individual interviews many new items to take into account became more apparent as potential topics and themes for the proposed clusters. Such topics included Training and schools, Databases and repositories, Inter-operating event processing.

Further details on these topics can be seen in the presentation slideset link above.

Mr Massacci provided an overview of his gap-analysis evaluation. What changed between Call 7 and the earlier calls?

- **Out-of-fashion**
 - Identity used to be a massive research focus, but is isolated (abc4trust) in the new projects. The projects TURBINE, SWIFT, PRIMELIFE, and PICOS were devoted to various aspects of identity
 - Biometry is no longer a concern (except for TABULA RASA).
- **New comers**
 - Assurance and compliance were isolated keywords (eg in MASTER) but are receiving much more attention.
- **Always present**
 - Privacy is as prevalent in the outgoing projects (with PICOS, PRISM and PRIMELIFE) as in the new ones (ABC4TRUST TWISNET, ANIKETOS, ENDORSE, and also WEBINOS) albeit with different focus
- **Missing in both calls**
 - SW security projects that do not mainly rely on formal verification.

In order for Effectsplus clustering activities to be successful, continued Unit F5 support remains a high priority. There are currently issues in having to explain the value of participating in clustering activities to the project representatives. People agree they are useful, but feel they need to prioritize the clustering participation activities relative to their formal committed objectives.

This is a valuable and potentially very fruitful activity for the trust and security research community, enabling projects to disseminate effectively, to form collaborations, to enhance the overall impact of their projects results, and in turn contribute towards the trust and security strategic research agenda and roadmapping activities.

6 Cluster Creation and Planning

Clustering Creation and Plans, presentation by Michele Bezzi (SAP), the section below summarises the main points of this presentation.

Slideset can be obtained via the following link

<http://www.effectsplus.eu/files/2011/02/Michele-Bezzi-Cluster-creation1.pdf>

Mr Bezzi is in charge of coordinating the project clustering creation and running. This event is the first step to identify the actual clusters that *Effectsplus* will set up. Such clusters will be dedicated technical clusters that will work to enhance the co-operation and interoperability of trust and security research projects, leveraging synergies and avoiding replication.

Mr Bezzi stressed the importance of projects participating and availing of such clustering activities. The project clustering activities this will provide

1. A direct channel to strategic activities ongoing (e.g. FIA <http://www.future-internet.eu/>, FISA http://fisa.future-internet.eu/index.php/Main_Page)
2. Avoid replication and leverage synergies

3. Improve dissemination
4. Multi-project proposals to standardization bodies

The two main overriding objectives of the clusters will be to contribute towards roadmapping activities and to run in-depth (technical) cross project workshops. Once setup and defined, each cluster will have an assigned cluster lead, who will actively work with *effectsplus* people to coordinate the cluster work and documentation.

Mr Bezzi provided an overview of the initial proposed cluster membership, detailed in Figure 2.

Mr Bezzi also provided an overview on the foreseen in-dept workshops and possible cluster results, e.g., developing a living document that in turn can be fed into FIA, FISA etc.

Mr Bezzi stressed the need to identify clear focus and goals for the clustering activities.

<i>Initial proposed cluster membership</i>			
	Provisioning for Security, Trust, & Identity	Assurance & Compliance	Coordination Activities
CSAs & NoEs			ACTOR BIC GINI-SA SYSSEC NESSOS EFFECTS+
Systems & Networks	ENDORSE SEPIA SRT-15 TAMPRES TLOUDS TWISENET VISION-CLOUD WEBINOS	ENDORSE CONTRAIL PINCETTE POSECCO SEPIA TAMPRES VISION-CLOUD VIS-SENSE	
Services & Cloud	ANIKETOS ENDORSE MASSIF OPTIMIS PASSIVE SECFUTUR SEPIA SPACIOS SRT-15 VISION-CLOUD WEBINOS WEBSAND	ANIKETOS ASSERT4SOA CONTRAIL DEMONS ENDORSE MASSIF POSECCO SECFUTUR SEPIA SPACIOS VISION-CLOUD VIS-SENSE	

Figure 2 initial proposed cluster membership

7 Mini Breakout Cluster Sessions

Taking into account the project representatives present at the Effectsplus open communications event, it was agreed to have three separate breakout cluster sessions.

- Networks and Systems (lead by Mr Nick Papanikolaou, HP, Effectsplus)
- Services and Clouds (Lead by Mr Fabio Martinelli, IIT-CNR, NeSSoS)
- Networking and Coordination (Lead by Mr Jim Clarke, WIT-TSSG, BIC)

For each cluster the following questions were posed and each leader completed a summary overview presentation of the feedback from each mini breakout group.

- **Do you have any major objections to the cluster structure we presented?**
- **Which clusters you would like to be involved in?**
- **Which topics are good for you for cross-project, in-depth workshops?**
- **What other project/initiative should be involved?**
- **Ideas for co-location with other events?**

This summary presentations were to be given during the reporting/wrap up session at the end of the event.

The following is an overview of the summary reports/presentations from the mini break out sessions.

7.1 Networks and Systems Cluster

Objectives of coordination actions in general:

- roadmapping
- clustering
- input into security & trust agenda for future project proposals in FP8
- (also useful for unis and industry looking to shape future research)

Networks and Systems Cluster:

Participants – Gunnar Bjoerkman (VIKING), Evangelos Markatos (SysSec), Alvaro Armenteros (DEMONS), S. Rao (DEMONS), Paul Malone (ENDORSE), Nick Papanikolaou (HP).

Reporting/ Summary slideset can be found at the following link

<http://www.effectsplus.eu/files/2011/02/Systems-and-networks-Nick-P-HP.pdf>

Mr Gunnar Bjoerkman: VIKING - security of control systems for electrical networks – models for power systems etc., models for society to estimate the costs of cyber attacks (how power failures affect things). Project finishes November 2011. Models already defined – they are going to simulate attacks. One deliverable: Cyber threat analysis (library of 250 threats, secret, but available by direct email contact) email – www.vikingproject.eu – relevant to infrastructures and their security and protection.

Mr Evangelos Markatos (SysSec) – started recently – it's a NoE which will run for 4 years. One area is cyberattacks. Attacks on Smart Meters [link to VIKING evident]. Smart environments, malware and fraud, cyberattacks. Training aspect of NoE – they are organising two Summer Schools (also course development). Relevant to Provisioning for Security and Identity.

Common theme: cyber attacks

DEMONS project: network monitoring for security, inter-domain situation (different network owners) issue of interoperability, still there are cyberattacks so need to work on Detection and Prevention of Attacks. Particularity of many operators and interoperability. Will deliver a prototype of probes etc. Pre-standardisation for Planning to organise a workshop and they want to invite other projects. **THEY ARE IN THE WRONG** box – they are relevant to Provisioning for Security and Identity. They are working at the network layer (lower than cloud). Opportunity for generating test cases for different types of attack – link to the other projects above.

Mr Paul Malone (ENDORSE) – data protection compliance in back-end systems [THIS ONE IS ON THE COMPLIANCE side] – they are developing a language called PRDL. Also developing a certification methodology. All outputs are public and open source. Will develop compliance tools for enterprises. [Note that we need more COMPLIANCE related projects.]

There is a link to **privacy** of smart metering – mentioned by Mr Gunnar Bjoerkman.

Compliance with privacy laws. ENDORSE link to DEMONS. need to enforce consent.

VIKING, SysSec, DEMONS – security

ENDORSE – compliance – we need more participants to link with ENDORSE; but at least privacy is a link to the above projects. What is personal data? IP address?

Which topics for events?

Standardisation – broadly

For more private events:

CYBERATTACKS in networks,

PRIVACY issues,

ELECTRIC SUPPLY / SMART GRID / SMART METERING issues, ITU standard does not have explicit mention of privacy *

Modelling of different types of attack, consequences

Cost consequences based on **models of society**

Cost of non-compliance

How to handle privacy concerns at different levels / some projects lower level than others

Telecom/network operators – link to attacks – how to protect their infrastructure

Which other projects would you like to work with?

Mentioned ENCORE to Mr Paul Malone

Ideas of events for co-location? CALENDAR of events should be on our page with deadlines etc.

- DEMONS IPFIX EVENT 24-25 March – Prague - interoperability
- TMA Workshop 27 April – Vienna – traffic monitoring analysis
- Final workshop of VIKING project – Autumn 2011 – Brussels
- ITU Strategy Group (for standardization) – meeting for two weeks in Geneva – facilitating workshop
- ITU SIS – May 2011 – Geneva – exhibition -> DEMONS interested in organising a workshop
- SysSec workshop in Amsterdam 6th July, and Effectsplus 5th July. Collocated with DIMVA.
 - position papers also expected – definitely send something
- PASSIVE - STAVE 2011

29/30th March roadmapping – can we put a technical event on either side of it to encourage people to come?

Add Ioannis Krontiris (ABC4Trust) to this cluster.

IERC Privacy and Security View

- IoT = Wireless Sensor Networks + M2M + RFiD + Microcontrollers + Virtual Objects
- IERC activity chain AC05 is the sec+priv one.
- CERP-IoT = IERC (CERP-IoT was the original name) – produced book of vision and challenges for internet of things
- IERC leadership – Ovidiu Vermesan and Peter FRIESS (EC side)

7.2 Services and Clouds Cluster

Reporting/ Summary slideset can be found at the following link

<http://www.effectsplus.eu/files/2011/02/Fabio-Martinelli-IIT-CNR-Services-and-clouds.pdf>

No major objections to projects listed in this cluster were declared at the event.

The following projects stated their interest to be involved in the following clusters

- SERCIS (1.7) both security provisioning / Assurance
- COMIFIN (1.7) Services and cloud / provisioning assurance
- Abc4trust: Systems/provision

Mr Martinelli summarised the following responses from participants for the question on *what topics are good for your project for a cross-project in-depth workshop?* The following answers were recorded.

- Run-time monitoring/enforcement (PASSIVE, SERCES, ANIKETOS, MASSIF, COMIFIN, NESSoS)

- Assurance for Composite SERVICES (NESSoS, SERSICIS, ANIKETOS, Assert4SOA, MASSIF, POSECCO)
- POLiCY management (PASSIVE, NESSoS, POSECCo, SERCIS),
- Automated tools for assurance at design time (NESSoS, SPACIOS, Assert4SOA, ANIKETOS)
- Reliability, resilience (COMIFIN, MASSIVE, SERSICIS)
- Privacy policy (COMIFIN, ABC4TRUST)
- Security testing/security metrics/ Benchmarking (Assert4SoA, NESSoS, POSECCO)
- Risk management at Design time/run time (NESSoS, SERSICIS, POSECCO,)
- Security/utility trade-off in presence of multiple stockholders (NESSoS, COMIFIN)
- Decision support for security incidents (MASSIVE, SERSICIS)
- Description of security patterns for identifying the threats (MASSIVE)
- Certification (Assert4SOA,)

This cluster also identified the following project initiatives that should also be involved in the clustering activities.

1. Cloud security alliance
2. Relationships on PPP FI, Critical Infrastructures.
3. ENISA

Other possible suitable events of interest to this cluster included the following detailed list

- **Policy based:**
 - FIA, ICT, FET,
- **Technical events :**
 - NESSoS would ready to co-organize some event on Assurance / Risk that are the two traversal topics we focus on with respect to SCLC?
 - IEEE Cloud (first week of December 2011)
 - SAFECOMP 2011 Naples.
 - ESORICS 2012 Sept. Pisa.
 - IEEE policy in June 6-8 (Pisa).
 - IFIP SEC 2011, June, co-located with the final event of Prime-life.
 - Future Security event Berlin, Second week of September)

7.3 Networking and Coordination Cluster

Participants: Jim Clarke (BiC), F. Cleary and N. Wainwright (E+), Trevor Peirce (IERC), Lefteris Leontardis (GENI SA), others to join later NESSoS and SySec and Actor

http://www.effectsplus.eu/files/2011/02/Jim_clarke_WIT-TSSG_Net-and-Coord.pdf

Due to the number of coordination actions and NoEs and external initiatives in the trust and security space it was agreed that a specific networking and coordination cluster group be created to increase the level of communication and collaboration amongst these projects.

Mr Jim Clarke provided an overview of the main projects in this cluster and their objectives (main participants on the day : BIC, Effectsplus, IERC, GINI-SA).

One Issue raised

- Privacy, Identity Management – not exactly clear where would they fit to the 4 clusters?
As it is more of a cross cutting topic

There was a general agreement that synergies between the groups do exist, and by having such a cluster activity as this one, would be beneficial to all participants, and help towards scoping their activities together.

- EU-based work of Effects+, GENI SA could feed directly into scoping topics for BiC (for International cooperation between EU - *.*) and IERC and vice versa.
- Annual EU/International event for Trustworthy ICT – similar to Léon, Spain style event be coordinated in the calendar of all events of course.

It was agreed amongst cluster participants that it would be extremely beneficial for the projects if we had a coordinating calendar and all participants were VERY supportive for a **ICT Trust and Security “Concertation” mechanism**, with quarterly agreed dates/formatting?

Mr Clarke summarised that the Benefits of such a coordinating calendar and concertation mechanism,

1. We are all not competing with dates
2. Increased visibility
3. Increased participation
4. Critical mass
5. Better efficiency, time management, knowing ahead of time when meetings occur.
6. Will make Unit F5 stand out.

Output Goal: coordinate best as we can for 2011 via E+ website and 2012 make it a more official mechanism.

When Mr Clarke posed the following *question Which clusters you would like to be involved in?*, the following points summarise the feedback from the cluster

- BiC – All, dependent on the selection of topics by countries Brazil, India, South Africa, US, Japan, Korea,
- GENI SA – cross cutting ID Management
- Effects+ - all
- IERC – Policy decisions, Security and Privacy of IoT.
- Actor – Trust in Digital Life WGs: Technology, User based and Technology and Legal.
- NESSOS – Assurance and compliance
- SYSSEC – Systems and Networks

The following External Bodies and Initiatives were highlighted as possible outreaches

- IERC
- ENISA
- eTPS Trust & Security Activities (NESSI TSD, NEM, ..)
- FIA T&S (via Effects+)
- FI-PPPs T&S activities (TBD)
- Member States FI Forum (ceFIMS)
- OECD
- Other DG Units CSA’s, NOE’s (D, G, etc.)
- Others TBD

8 Effectsplus Strategy Board

Effectsplus strategy Board, presentation by Pedro Soria Rodriguez, ATOS, the section below summarises the main points of this presentation.

Slideset can be obtained via the following link

http://www.effectsplus.eu/files/2011/02/Strategy-Board_Pedro-S-Rodriguez_ATOSOrigin.pdf

Mr Rodriguez provided a presentation on the Effectsplus strategy board, its members and objectives. In *Effectsplus* the Strategy Board will have the following three main objectives

- Establishing and overseeing a strategic direction for clustering activities. (Identifying Trust and Security technological gaps and current research challenges, Furnishing suitable recommendations to address and target these identified challenges, gaps and issues)
- Linking the work of Effects+ with the FIA groups, project clusters, and other groups. Disseminating Effects+ SRA amongst defined target groups, maximizing the impact of the Effects+ research activities upon the European industry.
- Building a network to disseminate consolidated findings. Operating as contact points between main European security networks established in ETPs, ENISA, TDL, FIA, PPPs or other CSAs, and Effects+ project.

Mr Rodriguez commented that the strategy board will be acting as an advisory board, ensuring priorities are correct for the clustering activities.

Please note the Strategy Board members list included in the presentation slideset, is of members who have accepted to date, some invitations still remain open and will be finalised in the coming weeks. Once complete and initial kick-off audio conference will take place in the coming weeks, with a follow up face-to-face meeting to be scheduled

9 Effectsplus Future Internet Activities

Effectsplus future internet activities, presentation by Nick Wainwright (HP), the section below summarises the main points of this presentation.

Slideset can be obtained via the following link

<http://www.effectsplus.eu/files/2011/02/FI-Activities-Nick-Wainwright-HP.pdf>

Mr Wainwright commenced with an overview of Effectsplus activities in the Future Internet area. He summarised Effectsplus involvement in the Future Internet Assembly (FIA), Effectsplus FIA *caretakers* activities, FIA Steering Committee, and Effectsplus involvement in Future Internet Support Action (FISA).

Effectsplus is leading and coordinating the FISA research roadmapping activity. This involves identifying and gathering challenges and issues for all research aspects of the Future Internet. This research roadmap in turn will be used as input towards FP8.

Effectsplus is also responsible for the specific trust and security content of the roadmap.

The timeline for contributions can be viewed in figure 3.

Timeline – FIA Contributions (draft)

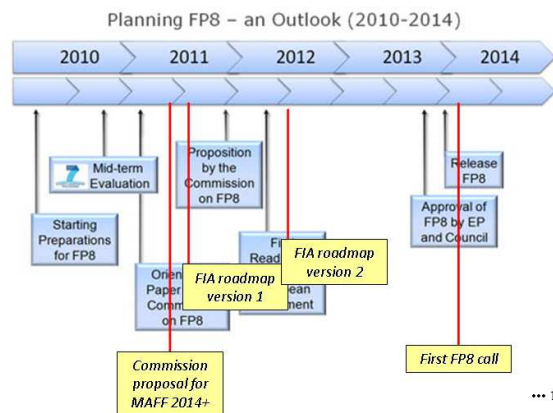


Figure 3 Timeline FIA Contributions (Draft)

Mr Wainwright went on to highlight the required inputs for the research roadmap

- inputs from research areas, groups, disciplines, communities who are researching Future Internet through the Future Internet Assembly
- high level changes between now and 2020+, significant challenges facing us, big gaps that need to be addressed, disruptive technologies and approaches
- Targeting 2020+, when Framework 8 research should have an impact

The presentation then focused around the Future internet and what exactly the future internet actually means? What are the main research areas in the Future Internet? Slide 9 of Mr Wainwright’s presentation, identifies some of the initial proposed research areas of the future internet.

The roadmap needs to take into account people starting out from different levels in the various research areas. It will have to address short(2014), medium(2014-2018) and long term (2018-2022) challenges.

Mr Wainwright then proceeded with an interactive roadmapping session. This session involved each individual identifying and writing down three issues or challenges that are currently seen as problems within the thematic area. Once completed, then a round the room, share of ideas was conducted, where participants highlighted if such issues were short, medium or long term. These written challenges were then collected and will be compiled to form a living document highlighting the “Areas Of Change”.

At the Effectsplus 1st technical cluster meeting there will be dedicated trust and security roadmapping sessions, where project participants can actively contribute to the trust and security research roadmap as input to FP8.

Registration and details of the Effectsplus 1st technical cluster meeting will be available soon on effectsplus website <http://www.effectsplus.eu/>

Other information relating to the FISA roadmapping activity can be viewed via the following link http://fisa.future-internet.eu/index.php/FIA_Research_Roadmap

Open call for contributions to the FIA research roadmap can be viewed in **Appendix B** of this report. CONTRIBUTIONS WELCOME FROM ALL.

Further guidelines to the trust and security projects, for contributions to the roadmapping activities, will be provided in the coming weeks via Effectsplus.

Below is a summary of the Research Roadmapping Timeline

- Sept 2010 – FIA road-mapping launched ICT2010
- Dec 2010 – Roadmap working meeting, Ghent
- Jan 2011 – Roadmap structure complete
- Jan 31st contributors signed up though FISA support projects
- Feb / March– Receive contributions
- March 29/30 Trust and Security Clusters – T&S Roadmap workshop
- March 31st Open meeting Brussels – Open to all
- April – prepare first draft
- May – public review at FIA Budapest
- July – Trust and Security Clusters – Review T&S Roadmap
- September – FIA Roadmap v1

10 Guest Speaker(Trevor Pierce): “Introduction to IERC and IERC Privacy and Security stream”

Presented by Mr. Trevor Peirce, IERC Privacy and Security Activity Chain Leader, the section below summarises the main points of this presentation.

Full slideset can be viewed via the following link

http://www.effectsplus.eu/files/2011/02/IERC_Trevor-Pierce.pdf

The European Research Cluster on the Internet of Things has created a number of activity chains to favour close cooperation between the projects addressing IoT topics and to form an arena for exchange of ideas and open dialog on important research challenges. (http://www.internet-of-things-research.eu/activity_chains.htm)

Mr Pierce provided an overview of his involvement in the IERC Activity 05 chain. This activity specifically focuses on discussing and defining the privacy and security issues and the requirements for different IoT applications, with the output being Recommendations as for security, privacy and ethical issues.

Projects involved in these activities include: IOT-A, EBBITS, IOT@Work, ELLIOT, SPRINT, IOT-I, CASAGRAS2

11 Conclusion

Mr Michele Bezzi concluded the workshop with a final wrap up and next steps overview.

Effectsplus has two technical cluster sessions planned for 2011. These meetings are as follows. Information regarding these events and registration links will be available in the coming week on Effectsplus website <http://www.effectsplus.eu/> and will be distributed via Effectsplus members email distribution list. .

We would encourage trust and security projects to note these dates within their project schedule and actively plan to participate and contribute to the clustering activities.

Upcoming scheduled Meetings:

1. 29th-30th March 2011: 1st Cluster Meeting (Brussels)

Further Details and registration will be available on the effectsplus website soon

2. 4th-5th July 2011- Amsterdam (to be confirmed), mainly focus on in-depth workshops.

12 Appendix A: Agenda

Effectsplus Open Communications Event 1st Feb		
9.30 – 9.45	Welcome Guest Speaker: Cristian Olimid (EC - Unit F5)	Frances Cleary (WIT-TSSG)
9.45 – 10.30	Clustering analysis	Fabio Massacci (UNITN)
10.30 – 11.00	Cluster creation and plans	Michele Bezzi (SAP)
<i>11.00 – 11.15 Tea/coffee break</i>		
11.15 – 12.30	Mini Breakout sessions	Michele Bezzi (SAP)
<i>12.30 – 13.30 Break for Lunch</i>		
13.30 - 14.00	Effectsplus Strategy Board Role	Pedro Soria Rodriguez (ATOS)
14.00 – 14.30	Effectsplus FI activities	Nick Wainwright (HP)
<i>Short break (tea/coffee)</i>		
14.45 – 15.00	FI activity contd	Nick Wainwright (HP)
15.00 – 15.20	Brief introduction to IERC and the IERC privacy and security stream	Guest Speaker: Trevor Pierce
15.20 – 16.30	Reports from cluster breakouts groups	Michele Bezzi (SAP) Wrap Up next steps
Close of Events		

13 Appendix B: Call for participation FIA research Roadmap as input to FP8

Effectsplus 1st kick off technical cluster meeting is scheduled for **March 29th & 30th 2011, location Brussels** (Details and registration coming soon on <http://www.effectsplus.eu/>)

The main objectives of this Effectsplus kick off cluster meeting is as follows

1. Official cluster kick off meetings (Cluster group activities to discuss common topical areas, issues and action items for future cluster meetings).
2. Dedicated trust and security research roadmap sessions, with the output of these sessions in turn contributing as input to the FIA Research Roadmap for Framework 8

Effectsplus is also organising a broader call for inputs for the FIA Research Roadmap across all the Future Internet research areas for an open workshop that is scheduled for March 31st (<http://www.effectsplus.eu/fia-research-roadmapping-open-workshop/>). Contributions from Trust and security projects to this FIA research roadmap will take place during the official Effectsplus Cluster meeting on March 29th & 30th. Hence participants of the Effectsplus cluster meeting on March 29th and 30th are not expected to attend the FIA Research Roadmap session on March 31st.

Further details on contributions to the Roadmapping aspect of Effectsplus cluster meetings on March 29th & 30th will follow soon.

For Your Information: Details of the official Call for contributions to the FIA Research roadmap Open workshop on March 31st is as follows.

*The EU Coordination Action Effectsplus and the Future Internet Assembly (FIA) are developing a **roadmap for research into all aspects of the Future Internet**. As part of this effort they are organising an Open Day / workshop on 31st March 2011. The workshop will also include the opportunity to review contributions received to date as well as to hear new contributions to be presented at the workshop.*

Date: Thursday 31st March, 10.00 AM to 4.00pm

Location: European Commission, Beaulieu 25, room 0/S1 , Brussels

Register for this event via the following link: <http://fiaresearchroadmapping.eventbrite.com/>

Directions: see link http://ec.europa.eu/dgs/information_society/practical/find_us/index_en.htm

(Note : please ensure you bring identification with you to access the event location)

*Researchers working in the field of Future Internet are **invited to contribute short position papers**, to be presented at the workshop, with the intention that they will shape the content and impact of the roadmap.*

*The roadmap will be written at a sufficiently high level so as to shape the themes of Framework Programme 8, without favouring particular methods or tools. The roadmap targets **research that will be carried out over the duration of Framework 8, 2014 to 2020 and beyond**. The contributions we solicit will present a good future vision, recognition of major changes in the use and application of technology, recognition of significant obstacles and challenges, and potential solutions.*

The contributions are expected to not exceed three (3) A4 pages, and will address, in order, the following four issues/questions [These are standard headings which must be used]:

What changes will occur? Describe the broader social and other changes that research into the future internet will need to take into account here. Indicate the timescale of these changes

Which positive outcomes can be brought about by the use of technology? Discuss how you imagine the world will be as a result of the changes and advances that will have occurred; what impact will we be able to have? When will we have that impact?

Discuss the difficult problems (broader, technical, ...) that have to be addressed satisfactorily in order to handle the changes and realise the vision

What's the answer? which new approaches/technologies/... will likely be most useful in addressing the gaps and challenges? What research needs will emerge as we try to build such solutions? What are the steps to developing the solutions?

These contributions will be synthesised and published as part of the research roadmap. Contributors will present their ideas and discuss them at the Open Day in Brussels.

Written contributions to the roadmap should be send your written contributions by 20th March 2011 in Microsoft Word .doc format to Nick Papanikolaou (HP Labs) – nick.papanikolaou@hp.com .

Contributions should include the contributors name, institution and email address, and include four sections under the following headings

Title of Contribution & Research Area

- 1. Changes*
- 2. Vision*
- 3. Challenges*
- 4. Solutions*

for more information please see <http://fisa.future-internet.eu/index.php/RoadmappingOpenCall>