

Trust & Security Newsletter

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The newsletter about Trust & Security in the Information Society

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F5 new staff

Unit F5 Trust and Security of DG Information Society and Media has seen a few staff changes over the past couple of months.

First of all, Jacques Bus has left us as our Head of Unit from the 1st of April. We would like to thank him for the excellent boss he was and we would also like to thank him for the tremendous contribution he has made to the field of Trust and Security. Jacques remains active in this field as an independent expert. Until his replacement has been found, Gustav Kalbe has been appointed as the acting Head of Unit.

Angelo Marino has left our unit to become a deputy Head of Unit at the Research Executive Agency. We wish him all the best in his new role!

Furthermore, over the past couple of months we welcomed new Project Officers Valeria Bricola, Maria Concepcion Anton Garcia and Cristian Olimid.

Prior to joining unit F5, Valeria (Italian) has been working at IULM University in Milano. María Concepción (Spanish), who was working at the Ministry of Labour and Immigration in Madrid, joined the unit as a National Expert. Cristian Olimid (Romanian) has been working previously for the Romanian Government.

The Digital Agenda for Europe

On 19 May, the college of Commissioners adopted the European Digital Agenda (DAE), which outlines seven priority areas for action in the area of ICTs for the coming 10 years. These include:

- creating a digital Single Market;
- greater interoperability;
- boosting internet trust and security;
- much faster internet access, more investment in research and development;
- enhancing digital literacy skills and inclusion;
- applying information and communications technologies to address challenges facing society like climate change and the ageing population.

To reach the Digital Agenda's objectives, some 100 specific follow-up actions, including some 31 legislative proposals are outlined.

The Digital Agenda stresses the importance of trust and security. To enhance trust and security so that Europeans can feel confident and safe online, it proposes for example a better coordinated European response to cyber-attacks, identity theft and spam, and reinforced rules on personal data protection.

For a copy of the Digital Agenda for Europe, click [here](#). For more information, visit the [dedicated website](#) of the European Commission.

Simplification of financial rules under FP8

On 29 April, the European Commission has unveiled a plan to simplify the ●●● 1/5

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This e-newsletter is a supplement to the website for the domain of Trust and Security within the EU's 7th Research Framework programme (FP7), Theme "Information and Communication Technologies" (ICT). Through the FP7-ICT Theme, Unit F5 "Security" in DG Information Society and Media continues its efforts to support the development of knowledge and technologies that manage and control complex and interdependent systems, in order to secure modern information systems and networks and to build resilience in the Information Society infrastructures.

Our activities cover research and its relationship with policy developments in trust and security in a number of areas, i.e. network security and security of digital assets, applications and services, fighting against cyber crime, cryptography, trusted computing, identity and privacy management, authentication, multi-modal biometrics and support of standardisation and interoperability.

Here you will find snapshots of our activities at regular intervals. More details are available on our Website, including a list of events.

procedures for taking part in EU-funded research projects. The overall aim is to make participation transparent and attractive to the best researchers and innovative companies in Europe and beyond. Ensuring European research realises its full potential is crucial to the EU's Europe 2020 Strategy, given the need to consolidate economic recovery and develop new sources of growth and jobs to replace those lost in the crisis. Complementing the proposals on simplification, the Commission has also appointed a group of independent experts to review all aspects of the current Seventh Framework Programme.

Research, Innovation and Science Commissioner Máire Geoghegan-Quinn said: "Our proposals aim to minimise administrative burdens in Europe's research programmes. We need to get the best researchers and most innovative companies taking part and we need to enable them to concentrate on results, not red tape. That will boost Europe's economy and quality of life. In particular, we must encourage more SMEs to join in. I believe this can be done without compromising financial control. We are asking the other EU institutions for support to achieve this."

Budget Commissioner Janusz Lewandowski added: "The review of the Financial regulation which the Commission will present next month will underpin these ideas for simplifying research funding with concrete legal proposals, helpful also in many other policy areas. We need simpler rules to encourage potential beneficiaries of EU funds - such as small and medium enterprises or NGOs - to apply for them. Simplification means the EU budget serving citizens and businesses better."

The first part of the Commission's strategy will make improvements possible under the current legal and regulatory framework, some of which are already underway. These involve, for example, better IT systems, more consistent application of rules, in particular on auditing, and improving the structure and content of the "calls for proposals" in response to which research organisations bid for funding.

The second part involves changing the existing financial rules to allow more radical simplification while maintaining effective control, for example by widening the use of "average cost methodologies" that avoid the need for projects to account separately and painstakingly for each small item of expenditure. The Commission also aims to allow projects to use the same accounting methods for EU funding as they are required to use for national research funding. These proposals require a decision of the European Parliament and the Council.

The third type of change envisaged will be considered for implementation under future Research Framework Programmes. Among the options presented is a move towards "payment by results", which would mean that beneficiaries were paid lump sums to undertake specific scientific tasks and would need to demonstrate that they have done so effectively and efficiently, rather than to report individual cost items.

Future Internet PPP

Directorate F and Directorate D are continuously making significant progress in the implementation of the Communication "A public-private partnership on the Future Internet" (**COM(2009)479**), adopted last October. At the heart of the PPP are the technological developments of Internet and their concrete use to support smart infrastructures. The PPP will be implemented as a specific research Objective within the next ICT Work Programme (2011-12). The launch of the first call for proposals is scheduled for the summer of 2010.

On 21/22 June, the EX-FI Support Action and the European Commission co-organise the **second usage area workshop**, building on the first usage area workshop held in March this year. Furthermore, on 8 July, the European Commission organises a **European Infoday on the Future Internet PPP**, hosted in Brussels.

Trust and Security participation at FIA Valencia

The Trust and Security communities were represented during two sessions during the recent FIA Valencia event. The session 'Foundations of Trust in the Future Internet' explored the human and technical foundations of trust in the Future Internet with the intent of developing a roadmap for future cross domain research. In his introductory remarks, session chair Volkmar Lotz stated "there was a need to come back to the foundations of Trust in the Future Internet because security and trust is really 'cross-cutting' topic, and must be

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addressed from many different angles to achieve confidence and trust in the services and infrastructure of FI to readily participate in a digital life and digital society". Four invited speakers each addressed a key topic for the Future Internet:

- Security Challenges for the Future Internet, Prof. Evangelos Markatos, FORTH and Univ. of Crete, www.ics.forth.gr
- Provenance in the Future Internet, Dr. Jose Manuel Gomez-Perez R&D Director, iSOCO, www.isoco.com
- Economics of Trust and Security, Dr Simon Shiu, System Security Lab, HP Labs www.hpl.hp.com/research/systems_security/
- Legal frameworks for Trust in the Future Internet, Mireille Hildebrandt, Associate Professor and Senior Researcher at Vrije Universiteit Brussel and Erasmus University Rotterdam http://works.bepress.com/mireille_hildebrandt/

During Architecture Session 2 on Concrete results for the Future Internet, the work undertaken during the Identity session of FIA Stockholm and follow up activities related to a sustainable ID Framework for the Future Internet were presented by Amardeo Sarma of NEC. The coverage of Privacy enhancing ID management across the layers has been recognised as a good example of collaboration across the work streams of the Future Internet Assembly. The Trust and Identity caretakers, along with the relevant researchers, in the final plenary session of FIA Stockholm decided that this topic was mature enough to pursue in a more results oriented way. This culminated in a focussed "interim FIA workshop" held on 3rd March 2010 dedicated to the topic, whose principle results were highlighted in a presentation entitled Sustainable Identity Framework for the Future Internet during the Towards a Future Internet Architecture Session 2 (Concrete results are already available). The full report of this interim workshop is available at the Trust and Identity caretakers wiki. The presentation highlighted the consensus amongst the participants of the necessity to leverage existing privacy solutions of PrimeLife, TAS3 and SWIFT towards privacy enabled identity systems and infrastructures in both the short term (through PPPs, see next article) and longer term (FP7/FP8) with a distinct goal of sustaining better privacy and security than available today and making privacy a European trademark of the 21st century.

The Trust and Identity "caretakers" of FIA are Nick Wainwright, Jim Clarke, Volkmar Lotz and Michel Riguidel. Their main role is coordinating the activities within and between all the cross domain clusters and to be intermediaries between the European Commission and the FI projects that are signatories to the Bled Declaration.

INCO-TRUST Workshop held in New York City

The DG-INFOS F5 Trust and Security project INCO-TRUST held a workshop on 4-5th May 2010 in New York City. The workshop was co-organised by the National Science Foundation, Rutgers University and the INCO-TRUST project. The main focus of the workshop was International Data Exchange with Security and Privacy: Applications, Policy, Technology, and Use. There were over 60 delegates from EU, US, Korea, Japan, Australia, Canada, South Africa and Brazil. In addition to interesting keynote speakers and panel sessions, a number of breakout sessions were held on identifying the technical challenges and opportunities for trans-national data repositories and examining the differences and commonalities of international and domestic approaches to a variety of application domains. The timing of the workshop was important and findings are already being used in discussions between the countries program management departments engaged within INCO activities.

The workshop slides are available at the [workshop website](#).

WCIT2010

The WCIT2010 is the largest conference on ICT in the world and is held bi-annually. This year's conference was built around the theme of "change". The conference was divided into nine tracks, including Security and Safety, eHealth and eGovernment. The conference was opened by a speech of Ms Kroes, who introduced the DAE and stressed trust and security as a challenge for the development of ICT. She also underlined the importance of innovation and RTD in ICT. Other speakers included Ros Perán (Secretary of State – Telecommunications, EU Presidency), Paul Otellini (CEO Intel) and Virginia Rometty (Senior VP Global Sales and Distribution IBM).

Mario Campolargo, the Director of DG INFSO Directorate F – Emerging Technologies and Infrastructures, had accepted the role of Chairman of the Security and Safety Track for the second day of the conference. The sessions would look at innovative solutions to address security and safety. He highlighted the security part of the Digital Agenda for Europe, introduced the audience to our work done under the research programmes and reflected on the Future Internet PPP.

Issues discussed included security and safety innovations addressing megatrends, ICT and forensics, intelligence grids, the future of the security industry and public safety.

The conference was closed at the Plenary with the adoption of the Declaration of Amsterdam (http://doa.wcit2010.org/amsterdam_declaration.pdf). This declaration also covers trust and security aspects in the digital era.

For more information on the WCIT2010, see <http://www.wcit2010.nl>

PRIM Cluster meeting

The 3rd PRIMCLUSTER workshop was held at DG INFSO on Thursday 6 May 2010. It brought together participants from the following ICT FP7 projects of the Trust and Security Unit constituency: SWIFT, TAS3, PICOS and PRIMELIFE.

The purpose was to discuss credential based access control and attributes and policy language extensions (SAML and XACML attributes and policies). The participants shared experience, information and are committed to continuing collaboration. Their next appointment is at the data handling workshop to be held at the MIT in Cambridge on 4 and 5 November.

4th European Identity Conference 2010 (EIC)

The 4th European Identity Conference 2010 (EIC), held 4-7 May 2010 in Munich, brought together experts and technologists, thought leaders and enterprises to discuss and shape the market in identity management, governance, risk management and compliance (GRC) and cloud computing. It is an independent initiative, but fits well with DG INFSO's activities in eID research.

The theme of the conference was 'best practice and thought leadership in identity management'. Many presentations had a practical orientation, fitting with the theme 'best practice', and dwelled on market solutions, market developments, procedures, organizational set-up, standards etc. Identity management was put in a variety of contexts, including transactions, access control, authentication, data protection, and particular attention was given to cloud computing, security and data protection. Other presentations, like on claim management, went beyond practical aspects. This was the first time that a representative from the European Commission was present at this series of conferences to provide a key note address on research-related activities in eId in the context of the entire Information Society. Suggestions were put forward to extend future conferences with a dedicated session on research and development of eIdM in the wider information society perspective. It would make sense to have research projects be present at a more practical conference/fair in order to stimulate the contact between research and the world of solution and product providers.

For further information, see <http://www.id-conf.com/eic2010>

News from running projects / studies

- IPv6 and Security study

The results of the study on IPv6 and Security will be presented at the German IPv6 Summit, to be held in Potsdam on June 24-25.

- PRISM

The final combined demonstration and review of PRISM took place on 26-27 May. This STREP project has developed an innovative ICT solution for privacy aware network monitoring, which includes a novel system architecture which can satisfy European privacy legislation provisions. For more information on the project's deliverables, visit <http://www.fp7-prism.eu>.

Future Events

Future Network & Mobile Summit 2010

16-18 June

Florence, Italy

In the context of convergence, the 19th Future Network and Mobile Summit will address the challenges of building the Future Internet, based on mobile, wireless and fixed broadband communications infrastructures.

Future Internet 2nd usage area workshop

21-22 June

Brussels, Belgium

This workshop will build on the conclusions of the 1st FI-PPP Usage Area Workshop, held in March 2010 and will enable a broader discussion on the needs of the Usage areas and their requirements on the Future Internet. The workshop addresses the need to achieve an appropriate balance in the Future Internet Public-Private Partnership between provider "technology push" and user "application pull".

Future Internet PPP Information Day

8 July

Brussels, Belgium

The event aims at giving a detailed briefing to interested stakeholders about the FP7 ICT work programme 2011/12 objective 1.7 to 1.10 which related to set-up of the public-private-partnership (PPP) on the Future Internet. In addition, the workshop will be a platform for potential proposers to exchange their ideas and to network.

SMART event

21-24 September 2010

Sophia-Antipolis, France

Smart Event is renowned as a major Industry & Research Forum in e-ID, e-mobility and Smart Security. Thanks to its 3 international conferences, over 10 educational modules, exhibition, live demos and other SIG meetings, Smart Event has become a key meeting place for world-class researchers, innovators, developers and business decision-makers.

ICT2010

27-29 September

Brussels, Belgium

This biennial event is a unique gathering point for researchers, business people, investors, and high level policy makers in the field of digital innovation. ICT 2010 will focus on policy priorities such as Europe's Digital Agenda and the next financial programme of the European Union for funding research and innovation in ICT. Besides the conference session, there will be a large exhibition and plenty of networking sessions.

FIA Gent

16-17 December

Gent, Belgium

FIA Ghent will be part of the Future Internet Conference Week, a series of events concerning different aspects of the Future Internet. It is organised by communities reaching out to different but related audiences that share common goals. With these events back-to-back, the participants benefit from the ideas from the different parts. This series of events will create an unprecedented synergy between the 2500 professionals from all over Europe.

ICT Trust and Security Research in FP6:

<http://cordis.europa.eu/ist/trust-security/>

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