FIDIS

Future of Identity in the Information Society

Title:	"D12.4: Integrated Workshop on Emerging AmI Technologies"
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Reviewers:	Eleni Kosta (K.U. Leuven, Belgium)
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Summary

The second FIDIS WP12 integrated workshop on Emerging AmI Technologies was held at the Interdisciplinary Centre for Law and ICT (ICRI), Katholieke Universiteit Leuven, Belgium. The workshop was designed to be the review event for first contributions to two ongoing deliverables: D12.5 "Use cases and scenarios of emerging technologies" & D12.6 "Study on ICT implants". As such, the core content of these deliverables was developed through a range of participant presentations and subsequent discussion. Additionally, co-ordination of further contributions was conducted, and schedules revised.

This document is a brief record of the event.
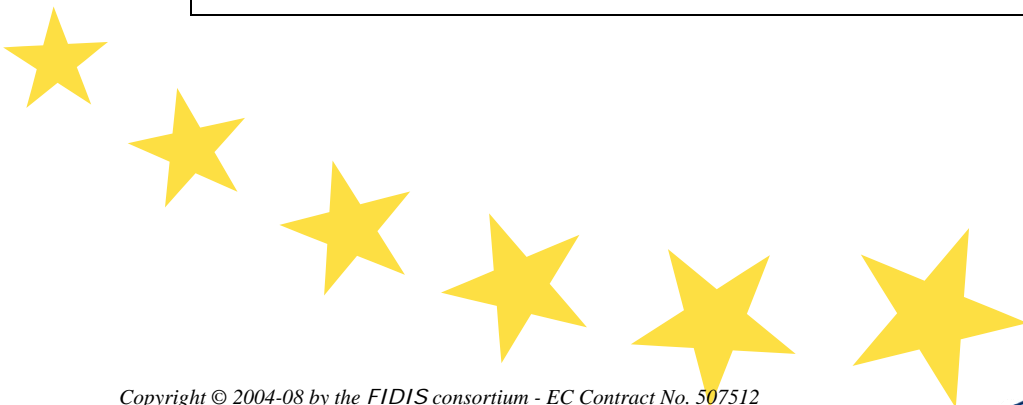
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19. *Netherlands Forensic Institute (NFI)[2]* — Netherlands
20. *Virtual Identity and Privacy Research Center (VIP)[3]* — Switzerland
21. *Europäisches Microsoft Innovations Center GmbH (EMIC)* — Germany
22. *Institute of Communication and Computer Systems (ICCS)* — Greece
23. *AXSionics AG* — Switzerland
24. *SIRRIX AG Security Technologies* — Germany

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[1] Legal name: Stichting Katholieke Universiteit Brabant
[2] Legal name: Ministerie Van Justitie
[3] Legal name: Berner Fachhochschule

Versions

Version	Date	Description (Editor)
0.1	28.04.2008	• Initial release
1.0	30.04.2008	• Internally reviewed release

Foreword

FIDIS partners from various disciplines have contributed as authors to this document. The following list names the main contributors for the chapters of this document:

Chapter	*Contributor(s)*
All	WP12 Deliverable Editors

Table of Contents

[Final], Version: 1.0   *Page 6*
File: *fidis-wp12-*
del12.4.Integrated_Workshop_on_Emerging_AmI_Technologies.doc

Future of Identity in the Information Society (No. 507512)

1 Executive Summary

The second FIDIS WP12 integrated workshop on Emerging AmI Technologies (D12.4) was held at the Interdisciplinary Centre for Law and ICT (ICRI), Katholieke Universiteit Leuven, Belgium. The workshop was designed to be the review event for first contributions to two ongoing deliverables: D12.5 "Use cases and scenarios of emerging technologies" & D12.6 "Study on ICT implants". The core aims of the workshop were achieved through a range of participant presentations and subsequent discussion and by co-ordination of further contributions by the deliverable editors.

As is so often the case, the inter-disciplinary nature of the event helped foster extensive and interesting discussion beyond the scope of the deliverables themselves, for which more time would have been preferable. Additionally, suggestions for further deliverables relevant to the theme of Emerging Technologies, which expand on the current deliverables, were proposed and noted for further deliberation post-event. Whilst planning for the final phase of the FIDIS has finished, such suggestions for continuation of research beyond the project is nevertheless important.

This document is a brief record of the workshop.

Future of Identity in the Information Society (No. 507512)

2 Introduction

The domain of 'identity' is fast evolving, something that is in part driven by the evolution of technology. As such, the emphasis of this workpackage (WP) is on 'emerging technologies', i.e. those technologies or applications of technology which have not yet reached commercial critical-mass, but may in the future prove to have a significant impact in the identity field. This WP builds upon the solid foundation of WP3, 'High-tech ID', but, in order to firmly embrace the 'F' of FIDIS, looks with a degree of reasonable speculation beyond those areas previously explored by FIDIS deliverables.

The scope is not purely technological, indeed social and legal aspects are considered key to this WP and transversal topics such as analysis of good practice and standards are included. The focus within this period is on scenarios of emerging technologies, identity related crime and ICT implants.

2.1 Deliverables of WP12

Planned for the forth FIDIS work plan are three further deliverables within WP12:

2.1.1 D12.5: Use cases and scenarios of emerging technologies

Editor: Mark Gasson (University of Reading)

This deliverable aims to distance itself from the theoretical workings of emerging technologies, and instead looks to the potential applications they may find, and the pros and cons therein. This will be done through the use of short cases and scenarios to highlight aspects, particularly relating to security and privacy, and the social and legal implications.

2.1.2 D12.6: Study on ICT Implants

Editor: Eleni Kosta (K.U. Leuven) & Mark Gasson (University of Reading)

Several FIDIS deliverables have dealt with RFID technology, such as D3.6, where RFID enabled Machine Readable Travel Documents were analysed, D7.7 where the use of RFID technology in AmI was examined and D12.3 that deploys a Holistic privacy framework on RFID technology. The study will focus on the use of similar technology in human implants that can be used for authentication and identification purposes, and which can hold or transmit personal data. It will not only focus on the latest technological developments, but will also focus on the legal and social implications of ICT implants.

2.1.3 D12.7: Identity-related Crime in Europe – Big Problem or Big Hype?

Editor: Bert-Jaap Koops (Tilburg Universiteit)

[Final], Version: 1.0
File: fidis-wp12-
del12.4.Integrated_Workshop_on_Emerging_AmI_Technologies.doc

Page 8

In this deliverable, identity-related crime figures and reports in various EU countries will be analysed in the light of the conceptual framework developed in the previous identity- related crime deliverables, in order to establish whether identity fraud really is a major area of concern, or whether apples and oranges are being compared. For this deliverable we intend to study the various reports on identity fraud, identity theft and related issues, talk to stakeholders involved in drafting these reports, and where possible gather data from law-enforcement agencies.

2.2 D12.4 Integrated Workshop

The aim of this focussed workshop was to review the progress of the ongoing deliverables of WP12 by discussing contributions, adjusting schedules and allocating work. In actual fact, the event was split into two separate events, an editor's meeting on the 17th – 18th March and a contributor's workshop chaired by the editors on the 11th April. Both events were organised by the University of Reading, and K.U. Leuven, and were hosted in Leuven, Belgium.

While this workplan has three ongoing deliverables within WP12, such a workshop was not necessary for the progression of D12.7. Instead, the focus was on the other two reports, namely D12.5 and D12.6. The full programme of the event can be found in Annex 1. In brief, the main topics of this workshop were:

- D12.6: The technical scope of ICT implants beyond RFID
- D12.6: A classification of ICT implants based on their function and application
- D12.6: Developing a cohesive chapter on the socio-ethical aspects of ICT implants
- D12.6: Discussing the relative importance of nanotechnologies to ICT implants
- D12.6: Over viewing legal aspects
- D12.5: Encapsulating the diversity of Emerging Technologies in scenarios
- D12.5: Ensuring minimal overlap in scenario topics
- D12.5 & D12.6: Revised time planning

The scope of this workshop means that it was open to any FIDIS participant, but was specifically aimed at the contributors of the first drafts of the deliverables. The list of contributors involved can be found in Annex 2.

[Final], Version: 1.0   **Page 9**
*File: fidis-wp12-
del12.4.Integrated_Workshop_on_Emerging_AmI_Technologies.doc*

3 Conclusions

This workshop had three core objectives:

1. To organise the content of D12.6 "Study on ICT Implants" by discussion of the initial contributions and co-ordination of the partners

2. To ensure adequate range and scope of the content of D12.5 "Use cases and scenarios of emerging technologies" by evaluating and discussing the initial contributions

3. To update schedules of the two deliverables based on the editor's comments and the further contributions required from the participants

These objectives were achieved, with follow-up discussions planned to be held on the dedicated deliverable mailing lists. The approach of having first contributions before the workshop, as opposed to vice-versa, which is more common in FIDIS, worked very well and fostered very fruitful discussion and debate. This will certainly be a model adopted in the future.

The inter-disciplinary nature of the NoE always ensures that in any case such events are broad in their scope, and this led to a great deal of discussion. As is nearly always the true, time for discussion was shorter than preferred and, ideally, subsequent events will somehow cater for extended discussion sessions where possible. However, in this case the aim was to keep the contributors workshop to within one day.

A proposal for the development of both deliverables was presented by the respective chapter editors and was discussed and amended during the workshop by all partners involved. In addition, time planning for contribution delivery was discussed, and the revised time plans were drawn up (see Annex 3).

An additional result from the discussion sessions was the proposal of a further deliverable which extends the work being undertaken. Such developments are very important for the continued excellent work beyond the time frame of the FIDIS NoE, and are a true reflection of the value of providing a face-to-face forum where issues can be openly discussed and debated in an inter-disciplinary context.

Overall, feedback on the event from the participants was excellent and progress on the subsequent deliverables is now moving forward in a timely manner.

[Final], Version: 1.0   **Page 10**
File: fidis-wp12-
del12.4.Integrated_Workshop_on_Emerging_AmI_Technologies.doc

4 Annex 1: Event Programme

Location: ICRI-Babbelbox, Sint-Michielsstraat 6, 3000 Leuven (4th Floor) – Date: 11-04-08

09.30-10.00	Welcome coffee
10.00-10.45	Introduction presentation & discussion: *Current status & Editor's comments of deliverable 12.5:* *"Use cases and scenarios of emerging technologies"*
10.45-11.00	Introduction presentation: *Current status of deliverable 12.6:* *"Study on ICT Implants"*
11.00-11.20	Presentation on the technical chapter *Mark Gasson (University of Reading)*
11.20-12.00	Discussion on the technical chapter
12.00-12.20	Presentation on the legal chapter *Eleni Kosta (ICRI- K.U. Leuven)*
12.20-13.00	Discussion on the legal chapter
13.00-14.00	Lunch
14.00-14.40	Presentations the socio-ethical contribution *Bernhard Anrig (VIP)* *Mireille Hildebrandt (VUB)*
14.40-15.30	Discussion on the socio-ethical chapter
15.30-16.00	Coffee
16.00-16.30	Revision of schedules and other business

5 Annex 2: Contributors

Name	Organisation
Mark Gasson	University of Reading
Eleni Kosta	K.U. Leuven (ICRI)
Bernhard Anrig	VIP
Claude Fuhrer	VIP
Mireille Hildebrandt	Vrije Universiteit Brussel
Bert-Jaap Koops	Tilburg Universiteit
Harald Zwingelberg	ICPP
Pawel Rotter	Joint Research Centre (JRC)
Carmela Troncoso	K.U. Leuven
Diana Bowman	K.U. Leuven
Ekaterina de Vries	Vrije Universiteit Brussel
Niels van Dijk	Vrije Universiteit Brussel

[Final], Version: 1.0   **Page 12**
File: *fidis-wp12-*
del12.4.Integrated_Workshop_on_Emerging_AmI_Technologies.doc

6 Annex 3: Deliverable time planning

The proposed schedules for the two deliverables were agreed upon as follows:

D12.6 – Study on ICT Implants

Abstracts from contributors:	*23.10.2007*
ToC and editorial comments:	*30.10.2007*
1st contribution:	*15.02.2008*
Editorial meeting:	*17.03.2008*
Editorial comments:	*20.03.2008*
Contributors Workshop:	*11.04.2008*
2nd contribution:	11.05.2008
Integrative Editorial:	31.05.2008
Internal review completed:	30.06.2008
Resolving review comments:	20.07.2008
Final editorial polishing:	30.07.2008
Submission to the Commission	31.07.2008

D12.5 – Use cases and scenarios of emerging technologies

Abstracts from contributors:	*09.02.2008*
ToC and editorial comments:	*15.02.2008*
1st contribution:	*15.03.2008*
Editorial meeting:	*17.03.2008*
Editorial comments:	*20.03.2008*
Contributors Workshop:	*11.04.2008*
2nd contribution:	11.05.2008
Integrative Editorial:	31.05.2008
Internal review completed:	30.06.2008
Resolving review comments:	20.07.2008
Final editorial polishing:	30.07.2008
Submission to the Commission	31.07.2008

[Final], Version: 1.0   **Page 13**
File: *fidis-wp12-*
del12.4.Integrated_Workshop_on_Emerging_AmI_Technologies.doc