Privacy & Us

Result of the First Training Event

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Revision table

Version	Date	Author	Change Description
0.1	2016-09-05	Eva Glavenius	Document created
0.2	2016-09-09	Eva Glavenius	Updated course plan
1.0	2016-09-29	Eva Glavenius	Final version

Executive Summary

In this deliverable, D6.1, we report on the results of the First Training Event within the Privacy&Us ITN.

The Privacy&Us First Training Event was successful and the project consortium is pleased with its outcome. Eleven of the twelve recruited ESRs participated on site, and one participated remotely, learning scientific and networking skills as well as getting an overview of the legal aspects of privacy. The participants will be asked to evaluate the event once all homework exercises have been submitted. The result of the evaluation and experiences from the First Training Event will be taken into consideration when the Second Training Event is organised.

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1 Introduction

Within the Privacy&Us ITN there are eight main training events and conferences planned. The project kick-off was held in December 2015, and a closing meeting will be held at the end of the project, planned for November 2019. In addition to these two administrative events, Privacy&Us has planned for five Training Events and one event for disseminating its research results.

In this deliverable, D6.1, we report on the results of the first training event within the Privacy&Us ITN.

	Main Training Events & Conferences	ECTS	Lead Institution	Project Month (*estimated*)
1	Kick-off and Supervisory Board Meeting		UNI	01
2	ESR Introduction, Training, Workshops	4	KAU	09
3	Detailed Research Proposal, Training, Workshops	4	WU	18
4	Progress Report, Training, Workshops	4	TAU	24
5	Progress Report, Training, Workshops	4	UCL	30
6	Progress Report, Training, Workshops	2	GUF	36
7	Presentation of PhD results		ULD	44
8	Final/Closing Meeting		KAU	47

Table 1 Privacy&Us main training events and conferences

The five training events are designed to enhance the interaction between ESRs, academic researchers and non-academic participants in the project as well as provide professional and interdisciplinary training modules. The first event provides basic knowledge about specific relevant topics, while later events convey specific skills necessary for developing a high-level career in academia, industry or government.

Figure 1 Privacy&Us training modules

2   First Training Event

The first training event took place at Karlstad University, Sweden, 25-27 August 2016 in cooperation with the IFIP Summer School on Privacy and Identity Management.

During the event, the ERSs were introduced to the Privacy&Us consortium and its structure. They attended workshops aimed at strengthening their scientific and networking skills as part of their professional training, and received a broad view of the legal aspects of privacy and introductory lectures on usability and privacy-enhancing technologies, as part of their interdisciplinary training. The complete programme in presented in the Appendix 1.

2.1   Course plan

Attendance to the first training event awards 4 ECTS. To receive the credits, an ESR shall attend the training event and complete the training module exercises. After the 3 days of block lectures and exercises, the attendees have to write a short scientific paper (3-5 pages) related to their research topic applying basic scientific writing methods.

To pass the course, the students successfully complete the following tasks:
* Attend at least 80% of the lectures and workshops.
* Successfully complete the scientific writing exercise.

To be able to officially award the ECTS, Karlstad University has registered the first training event as a course within the university. See Appendix 2 for more details regarding the course plan.

3   Results

3.1   Participants

A total of 40 participants attended the event (the participant list is included in Appendix 3). The main target group were the ESRs who all participated on site except for ESR 12 who attended most of the event remotely via video conference.

ESR No.	Name	Gender	Recruiting Participant	Supervisor	Co-supervisor
ESR1	Patrick Murmann	M	KAU	KAU	WU
ESR2	Agnieszka Kitkowska	F	KAU	KAU	TAU
ESR3	Esther Görnemann	F	WU	WU	KAU
ESR4	Poornigha Santhana Kumar	F	USE	UoS	UCL
ESR5	Majid Hatamian	M	GUF	GUF	TAU
ESR6	Alexandr Railean	M	ULD	UBO	KAU
ESR7	Juan Quintero	M	UNI	FAU	WU
ESR8	*Position vacant*		TAU	TAU	KAU
ESR9	Luiza Santiago Rezende	F	TAU	TAU	FAU
ESR10	Lamya Abdullah	F	UNI	FAU	EWT
ESR11	Alexandros Mittos	M	UCL	UCL	UBO
ESR12	Mark Warner	M	UCL	UCL	TAU
ESR13	Andreas Gutmann	M	VDS	UCL	GUF

Table 2 Table of ESRs

3.2 Evaluation

The training event will be evaluated in written (anonymous) form after the course is completed, i.e. when the ESRs have completed the exercises (the deadline for reporting on the exercise is October 1st 2016). The evaluation will focus on questions such as:

- Did the training event contribute to the understanding of the general structure of the Privacy&Us project? (ESRs)
- Quality of the professional training modules. (ESRs)
- Quality of the interdisciplinary training modules. (ESRs)
- Self-assessment of the learning outcomes of first training event as a whole. (ESRs)
- Evaluation of the scientific paper writing assignment. (ESRs, supervisors)
- Evaluation of the structure of the first training event (teachers, supervisors, and senior project members).

The results of the evaluation will be discussed within the project consortium and taken into consideration when the 2nd training event is organised.

3.3 Deviations from original plan

No deviations from original plan were registered.

4 Final remarks

The Privacy&Us first training event was successful and the project consortium is pleased with its outcome. The participants will be asked to fill out an evaluation form after the completion of the exercises. The result of the evaluation and experiences from the event will be taken into consideration when the second training event is organised.

See Appendix 4 for pictures from the event.

Appendix 1 Programme

1st Privacy&Us Training Event 25-27 August 2016

Thursday 25 August 2016					
08:30	21A342	**Welcome to Privacy&Us** *Leonardo Martucci, Simone Fischer-Hübner, Eva Glavenius (Karlstad University, Sweden)*			
09:00	21A244	**Privacy of Personal Health Data** *Angela Sasse (University CollegeLondon, UK)*			
10:00		Coffee			
10:30	21A342	**Introduction to Privacy&Us** *Introduction & Project Overview: Leonardo Martucci (Karlstad University, Sweden)* *Research Ethics: Simone Fischer-Hübner (Karlstad University, Sweden)* *Training Programme: Jetzabel Serna (Goethe Univeristy, Germany)* *Dissemination Plan: Emiliano DeCristofaro (University College London, UK)* *Meeting the Co-Supervisors*			
12:45		Lunch			
13:45	21A244	**General Data Protection Regulation – Next steps?** *Rainer Knyrim (Preslmayr Rechtsanwälte OG, Austria)*			
14:45		Coffee			
15:15	21A342	**Workshop: Introduction to Usability** *Michael Bechinie (USECON, Austria)* *Angela Sasse (University College London, UK)*			
17:30-17:45	21A244	Wrap-up of first day			
Friday 26 August 2016					
09:00	21A244	**Data Protection by Design and Default** *Marit Hansen (Data Protection Commissioner of Schleswig Holstein, Germany)*			
10:00		Coffee			
10:30	21A342	**Legal Privacy Workshop - Privacy by Design** *Michael Birnhack (Tel Aviv University, Israel)* *Harald Zwingelberg (Unabhängiges Landeszentrum für Datenschutz Schleswig-Holstein, Germany)* *Rainer Knyrim (Preslmayr Rechtsanwälte OG, Austria)*			
12:00	21A342	**Panel: The Future of Privacy and Identity Management** *Moderator: Harald Zwingelberg*			
13:00		Lunch			
13:45	21A345	**Scientific Paper Writing** *Javid Taheri (Karlstad University, Sweden)*	13:45	21E415A	**Supervisory Board Meeting**
15:15		Coffee	15:15		Coffee
15:45	21A345	**Scientific Paper Writing continue**	15:45	21E415A	**Management Board Meeting**
17.30		End of second day			
18:30		Barbeque at Zakrisdal (social event)			
Saturday 27 August 2016					
09:00	21A345	**Professional Networking** *Kai Rannenberg (Goethe University Frankfurt, Germany)*			
12:00		Lunch			
13:00	21A345	**Introduction to PETS** *Simone Fischer-Hübner (Karlstad University, Sweden)* *Leonardo Martucci (Karlstad University, Sweden)*			
15:00-15:30	21A345	Closing of the 1st Privacy&Us Training Event			

Appendix 2 Course Plan

Fakulteten för teknik- och naturvetenskap

Forskarutbildningskurs

Beslut om inrättande av kursen

Kursplanen är fastställd av fakultetsnämnden vid Fakulteten för teknik och naturvetenskap 20XX-XX-XX (Dnr FAK2 XXXX), att gälla från och med

Forskarutbildningsämne/område

Computer Science (Datavetenskap) and other disciplines (such as Information Systems and Law) related represented in the EU H2020 Marie Curie ITN Privacy&Us.

Kursbenämning (svenska och engelska)

Privacy & Usability (Privacy&Us) – 1st Training Event

Högskolepoäng

4 ECTS

Undervisningsspråk

English

Utbildningsnivå

PhD education

Målgrupp och behörighetskrav

This course is for PhD students in Computer Science or related subjects from the EU H2020 Marie Curie ITN Privacy&Us.

Kursens mål

The course is the first module of the Privacy&Us project's training programme, which has the objective to train the PhD students in the network in a holistic and flexible manner. It aims at providing both interdisciplinary training, which exposes the PhD students with different aspects of privacy and usability, and professional training, which provides the students with key transferable skills allowing them to further develop their intellectual, communication, presentation and organizational and research skills.

After the course, the students should be able to:

- understand privacy challenges, in particular in regard to eHealth
- understand and explain the principles of usability and user centered design;
- understand and explain basic privacy principles of the European Data Protection legislation;
- understand and explain basic concepts related to Privacy by Design and Privacy enhancing Technologies (PETs);
- understand basic scientific writing methods;
- understand how to network in the research community;
- understand the structure of the Privacy&Us project;

such that the students can:

- reason about the usability of systems;
- reason about the privacy compliance and privacy friendliness of systems and user interfaces;
- reason about suitable PETs for achieving Privacy by Design;
- apply basic scientific writing methods when writing articles;
- create and maintain contacts at conferences and scientific organisations.

Kursens huvudsakliga innehåll

The course consists of 3 full days with lectures and exercises to be solved in the class or afterwards. After the 3 days of block lectures and exercises, the attendees will have to write a short scientific paper (3 pages) related to their research topic applying basic scientific writing methods.

Course Content/Schedule:

1) Welcome & General Information;
2) Lecture: Privacy in eHealth (principles and challenges);
3) Introduction to Privacy&Us project & its research ethical rules;
4) Lecture: European Privacy Law (new rules of the EU General Data Protection Regulation (GDPR));
5) Workshop - Introduction to Usability (usability principles, heuristics and introduction to UCD (User centered Design).
6) Lecture and Workshop on Privacy by Design and Default (introduction the concept of Privacy by Design and challenges of achieving it)
7) Workshop - Scientific Paper Writing (how to organize your paper, definitions of plagiarism, and authorship in academia)
8) Workshop on Professional Networking (information about relevant professional and scientific communities and networks, practical "elevator pitch" presentation exercises);
9) Lecture: Intro to PETS (Classification of PETS, Anonymous communication and application)

The lectures and workshops are given by different researchers from KAU and the Privacy&Us project.

Kurslitteratur och övriga läromedel

The course literature and material consists of handouts, copies of the presentation slides and a list of selected recommended research papers. The current reading list that is published below may be amended as the course proceeds.

Examination

To pass the course, the students successfully complete the following tasks:

- Attend at least 80% of the lectures and workshops
- Successfully complete the scientific writing exercise

Examiners are:
Simone Fischer-Hübner and Leonardo Martucci

Kursintyg

Will be issued upon request of the PhD student.

Kvalitetsuppföljning

The course will be evaluated in written (anonymous) form during and after the course. The evaluation will be summarized and reported by the teachers according to Högskoleförordningen 1 kap. 14 §

Betyg

The grading is pass (godkänd – G) or fail (underkänd -U)

Litteraturlista

The course literature consists of selected research papers as recommended reading:

REGULATION (EU) 2016/679 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 27 April 2016 on the protection of natural persons with regard to the processing of personal data and on the free movement of such data, and repealing Directive 95/46/EC (General Data Protection Regulation), Official Journal of the European Union, L 119/1.

L. Cranor, S. Garfinkel (2005) Security and Usability: Designing Secure Systems that People Can Use

J. Camenisch, S. Fischer-Hübner, K. Rannenberg (2011) Privacy and Identity Management for Life

S. Gürses, C. Troncoso, C. Diaz (2011). "Engineering privacy by design." Computers, Privacy & Data Protection 14.3.

A. Pfitzmann, M. Hansen (2010), A terminology for talking about privacy by data minimization: Anonymity, Unlinkability, Undetectability, Unobservability, Pseudonymity, and Identity Management, Version v0.34. https://dud.inf.tu-dresden.de/literatur/Anon_Terminology_v0.34.pdf

D. Chaum (1981), "Untraceable Electronic Mail, Return Addresses, and Digital Pseudonyms", Communications of the ACM, 24 (2), http://world.std.com/~franl/crypto/chaum-acm-1981.html

D. Chaum (1988), "The Dining Cryptographers Problem: Unconditional Sender and Recipient Untraceability", Journal of Cryptology, 1.

Tor: Anonymity Online, http://www.torproject.org/

R. Dingledine, N. Mathewson, P. Syverson (2004), Tor: The Second-Generation Onion Router, Proc. of the 13th Usenix Security Symp. http://www.torproject.org/svn/trunk/doc/design-paper/tor-design.pdf

S. Fischer-Hübner (2001), "IT-Security and Privacy - Design and Use of Privacy-Enhancing Security Mechanisms", Springer Scientific Publishers, LNCS 1958, May 2001, ISBN 3-540-42142-4 (chapter 4)

(Further recommended literature are mentioned in the lecture and on the lecture slides).

Appendix 3 Participant list

Name	Surname	Organisation
Lamya	Abdullah	Uniscon GmbH
Christer	Anderssson Stål	ÅF-Technology AB
Michael	Bechinie	USECON
Zinaida	Benenson	University of Erlangen-Nuremberg
Claudio	Bettini	EveryWare Technologies
Michael	Birnhack	Tel Aviv University
Emiliano	De Cristofaro	University College London
Tom	De Wasch	VASCO DATA SECURITY
Simone	Fischer-Hübner	Karlstad University
Eva	Glavenius	Karlstad University
Andreas	Gutmann	VASCO
Esther	Görnemann	Vienna University of Economics and Business
Marit	Hansen	ULD
Majid	Hatamian	Goethe University of Frankfurt
Hubert	Jäger	Uniscon GmbH
Sabrina	Kirrane	WU
Agnieszka	Kitkowska	Karlstad University
Rainer	Knyrim	Preslmayr Rechtsanwälte OG
Leonardo	Martucci	Karlstad University
Joachim	Meyer	Tel Aviv University
Alexandros	Mittos	UCL
Nurul	Momen	Karlstad University
Steven	Murdoch	VASCO
Patrick	Murmann	Karlstad University
Tobias	Pulls	Karlstad University
Juan	Quintero	Uniscon GmbH
Alexander	Railean	ULD
Kai	Rannenberg	GUF
Delphine	Reinhardt	University of Bonn
Luiza	Rezende	Tel Aviv University
Poornigha	Santhana Kumar	USECON
Angela	Sasse	UCL
Jetzabel Maritza	Serna Olvera	Goethe University Frankfurt
Sarah	Spiekermann	WU Wien
Ingrid	Waldheim	Sentor
Melanie	Volkamer	Karlstad University
Artem	Voronkov	Karlstad University
Erik	Wästlund	Karlstad University
Albin	Zuccato	Sentor MSS AB
Harald	Zwingelberg	ULD

Appendix 4 Pictures