

Minutes of the Constitutive Advisory Board Meeting of PersoApp

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Abstract

PersoApp serves as a collaboration platform providing guidelines and open source software for integrating the online identification functionality of the new German national ID card in Internet applications. The constitutive advisory board meeting has introduced these options for collaboration and called for recommendations from industry, public services, standardization body, data protection officers, and academia. The main recommendation is to focus on the human factor beside security technology as well as to provide PersoApp for mobile devices. Professor Margraf (Hochschule Darmstadt) has been elected as the chairman of the PersoApp advisory board.

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Consortium

1. **AGETO Service GmbH**, Germany
2. **Center for Advanced Security Research Darmstadt (CASED)**, Germany
3. **Fraunhofer Institut für Sichere Informationstechnologie (SIT)**, Germany
4. **Technische Universität (TU) Darmstadt**, Germany

History

<i>Version</i>	<i>Date</i>	<i>Description (Editor)</i>
0.1	2013-09-12	Minutes according to notes of Sven Wohlgemuth
0.2	2013-09-17	Minutes according to notes of Marian Margraf; Revision according to internal review
0.3	2013-09-26	Revision regarding comments from advisory board members
1.0	2013-10-02	Release to public

Authors

<i>Authors</i>	<i>Contribution</i>
Marian Margraf (BMI)	Minutes of the meeting
Sven Wohlgemuth (TU Darmstadt/CASED)	Structure, initial minutes, agenda of the meeting, and slides of the presentations

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Table of Contents

1	Participants	4
2	Agenda Items	4
2.1	Ad (a) Welcome.....	4
2.2	Ad (b) Introducing PersoApp & Advisory Board	4
2.3	Ad (c) Introducing “PersoApp – Secure and User-Friendly Internet Applications”	5
2.4	Ad (d) Introducing “PersoApp – Pre-Release and Open Source Software Library”	5
2.5	Ad (e) Introducing “PersoApp – Guidelines for Secure Integration of the PersoApp Open Source Software Library”	6
2.6	Ad (f) Expectations of Advisory Board Members & Discussion.....	6
2.7	Ad (g) Election of Chairman of the Advisory Board	7
2.8	Ad (h) Miscellaneous	7
3	Attachment A: Agenda	8

1 Participants

The constitutive advisory board meeting has taken place on September 4, 2013 from 12h30-15h30 at the Federal Ministry of the Interior (BMI) in Berlin, Germany. Attachment A: Agenda lists the participants (available on www.persoapp.de at <http://wp.me/a3GxqP-mx>).

2 Agenda Items

The agenda items are identic to the agenda of September 2, 2013 (cf. Attachment A: Agenda) – Moderation by Dr. Wohlgemuth (TU Darmstadt/CASED):

- a) Welcome
- b) Introducing PersoApp & Advisory Board
- c) Introducing “PersoApp – Secure and User-Friendly Internet Applications”
- d) Introducing “PersoApp – Pre-Release and Open Source Software Library”
- e) Introducing “PersoApp – Guidelines for Secure Integration of the PersoApp Open Source Software Library”
- f) Expectations of Advisory Board Members & Discussion
- g) Election of Chairman of the Advisory Board
- h) Miscellaneous

2.1 Ad (a) Welcome

Mr. Ministerialrat Achim Hildebrandt (BMI – Head of Division Passports and Identity Documents, Identification Systems) has welcomed the advisory board members from Estonia, France, Germany, and Japan by his speech on the history, characteristics, and various usage possibilities of the new German national ID card. He has emphasized further development regarding technological and societal trends, such as mobile use of Internet applications, by integrating ideas and best practices from relevant groups.

2.2 Ad (b) Introducing PersoApp & Advisory Board

The collaboration platform PersoApp has been presented in its goals, structure, and approach by Dr. Wohlgemuth (TU Darmstadt/CASED). The goals are:

- Establishment of an open source community for the new German national ID card,
- Providing an alternative for the eID client of the Government (AusweisApp), and
- Providing an experimental platform for new requirements, services, etc.

The new German national ID card could serve together with its online identification functionality as a trust anchor for security and privacy in Internet applications. To support software development for secure and user-friendly Internet applications based on electronic identities with new German national ID card, PersoApp calls for collaboration with its offers open source software library for eID clients, guidelines for

securely integrating this library in applications, and requirements analysis with citizens and service developers/providers (cf. in more details in “D01-QM Organisation und Rollenverteilung” on <http://wp.me/p3GxqP-cJ>). The advisory board should consult the steering committee of PersoApp regarding technological and societal trends, their best practices, and options for further collaboration. The slides and some expectations of advisory board members, which have been mentioned in advance, are available on www.persoapp.de at <http://wp.me/a3GxqP-mr>.

2.3 Ad (c) Introducing “PersoApp – Secure and User-Friendly Internet Applications”

The dominant concept for security and privacy in the Internet is granting access on systems processing private data to authorized (pseudonymous) identities. For system and service models of the PC Era and The World Wide Web (Web 1.0), access control has been enforced by authentication and on minimizing access on private data (data economy). The online identification functionality of the new German national ID card implements an advanced multi-factor authentication by public-key infrastructure (PKI) for granting access rights and their enforcement by cryptography and secure hardware. However, innovative system and service models with a proven higher productivity based on processing larger amount of data request additional security concepts and mechanisms, if humans should still be in control on systems and their data. The Social Web (Web 2.0), The Semantic Web (Web 3.0), and The Intelligent Web (Web 4.0) diminish even if not vanish separation of access control domains as well as transform mode of interaction from human-to-machine to machine-to-machine due to shared usage of data and autonomous IT systems. The talk of Dr. Wohlgemuth (TU Darmstadt/CASED) introduces with identity control, privacy control, and privacy forensics additional usage options for the new German national ID card and its eID clients to “put humans *back* in the control loop” of their data. The slides are available on www.persoapp.de at <http://wp.me/a3GxqP-mq>. Instruments of the community building for PersoApp are described in detail in “D10-QM Community Building: Konzept, Maßnahmen und Bewertung” at <http://wp.me/p3GxqP-d6> and in “D09-QM Organisation und Aufbau der Projekt-Infrastruktur und Dienste” on <http://wp.me/p3GxqP-d2>.

2.4 Ad (d) Introducing “PersoApp – Pre-Release and Open Source Software Library”

The open source software library of PersoApp is implemented in Java 1.6, uses the Bouncycastle cryptographic library, and is based on the eID client of AGETO Service GmbH. Its Major Release A1 RC1 has been published one month earlier than scheduled on Google Code (<https://persoapp.googlecode.com>). Mr. Bruntsch (AGETO Service GmbH) has presented these eID clients in his talk. More details are available on www.persoapp.de as follows: “D06-QM Architekturkonzept der Open-Source-Code” on <http://wp.me/p3GxqP-h2> and “D09-QM-2 Release Management von Software-Modulen und Dokumenten der Open-Source-“PersoApp”” on <http://wp.me/p3GxqP-d4>. A movie demonstrates the usage of the PersoApp Pre-Release, which is part of Major Release A1 RC1. It is available at

<http://wp.me/a3GxqP-kQ>. The slides of this talk are available at <http://wp.me/a3GxqP-kP>.

2.5 Ad (e) Introducing “PersoApp – Guidelines for Secure Integration of the PersoApp Open Source Software Library”

PersoApp offers guidelines for integrating the PersoApp open source software library in applications. The talk of Dr. Henkel (Fraunhofer SIT), head of the security test laboratory of Fraunhofer SIT among others for Industrie 4.0, introduces security and quality management measures, the data flow model of the PersoApp open source software library, and recommendations for the development of secure software. These guidelines are described in more detail by the PersoApp documents available on www.persoapp.de as follows: “D02-QM Qualitätskriterien: Aufbau, Messgrößen und Bewertung” on <http://wp.me/p3GxqP-cM>, “D03-QM Entwurfs- und Entwicklungsprozess von sicheren Open-Source-Softwaremodulen der “PersoApp” on <http://wp.me/p3GxqP-cO>, “D04-QM Programmierrichtlinien zur Erstellung von “PersoApp”-Softwaremodulen” on <http://wp.me/p3GxqP-cS>, “D08-QM Review-Konzept “PersoApp”” on <http://wp.me/p3GxqP-cW>, “D08-QM-2 Operative Planung und Durchführung von Reviews und Release-Updates” on <http://wp.me/p3GxqP-cY>, and “D08-QM-3 Prozessbeschreibung zur Durchführung von Code-Reviews und Sicherstellung der Dokumentationsqualität” on <http://wp.me/p3GxqP-d0>.

The slides of this talk are available on www.persoapp.de at <http://wp.me/a3GxqP-lx>.

2.6 Ad (f) Expectations of Advisory Board Members & Discussion

PersoApp offers not only guidelines and software for integrating the online identification functionality of the new German national ID card in applications, but also provides a collaboration platform for this purpose.

Some advisory board members have mentioned their expectation and interests in PersoApp in advance to this meeting. They are available within the set of slides at <http://wp.me/a3GxqP-mr>.

Further expectations and recommendations are as follows:

- The user should be in the focus, i.e. the approach should include security, data protection, and usability: Approaches and experiences of other countries, e.g. Estonia, Switzerland, should be taken into consideration.
- Regarding risk scenarios, a balance between security and usability should be taken into account.
- Do security levels exist to classify usage options of the new German national ID card?
- Identity control and privacy control: If information flow of personal data should be used to detect interferences on identity use, e.g. identity theft, protection of these data for measurement should be considered for privacy.

- Requirements of new usages of the new German national ID card should be analyzed regarding changes in legislation and ordinance to let individuals control usage of their data.
- A support of Internet applications for societal and technological trends requires availability of the PersoApp open source software library for mobile devices.
- An eID client should be also part of a web browser.
- Banking could be an App using the online identification of the new German national ID card. Is PersoApp more secure than the current TAN procedure?
- Comparing online identification with electronic signatures, the semantics of an online identification should be considered, e.g. meta data of using an online identification according to a given financial limit of this identity.
- Data flow of an eID client should be specified to support data protection documentation.
- If Internet services for code analysis will be used, how does it process the code and information about found vulnerabilities? If possible, open source code analysis tools should be used.
- To know security of a given system configuration for an eID client, the eID client should inform its user about certification of a smartcard reader.
- Drivers of the basic smartcard reader should also be open source so that they can be used by open source projects in general.
- eID cards and systems of other application domains and nations beside the new German national ID card should also be considered with respect to interoperability.

2.7 Ad (g) Election of Chairman of the Advisory Board

The Chairman of the advisory board will support the advisory board and the steering committee as an interface for the recommendations of the advisory board and planning its meetings. The e-mail address of the chairman of the advisory board is as follows: persoapp-advisory-chair@trust.cased.de

Professor Margraf (Hochschule Darmstadt) has been unanimously elected as the chairman of the advisory board. There were no abstentions. Professor Margraf has accepted the result of the election and serves as chairman of the advisory board.

2.8 Ad (h) Miscellaneous

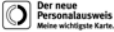
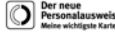
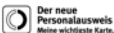
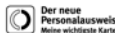
The chairman of the advisory board has announced the next meeting of the advisory board for summer 2014 in Darmstadt. In the meantime, Professor Margraf collects suggestions of the members and discusses the topics with the steering committee. The advisory board members will be informed regularly of important changes and the progress.

Dr. Wohlgemuth has closed this meeting by expressing his thanks on behalf of the PersoApp consortium to the BMI for conducting the constitutive advisory board meeting and to the advisory board members for their valuable recommendations and discussion.

These minutes and the slides of the advisory board meeting will be available on www.persoapp.de.

3 Attachment A: Agenda

 Konstituierende Sitzung des Beirates des Open-Source-Projektes „PersoApp“ 4. September 2013 in Berlin Agenda (Stand: 02.09.2013) Ort: Bundesministerium des Innern, Alti-Moabit 101D, Raum 1.071, 10559 Berlin Zeit: 12.30 bis 15.30 Uhr Mittwoch, 04.09.2013 12:30-12:45 Begrüßung: Ministerialrat Achim Hildebrandt (BMI) – Referatsleiter Pass- und Ausweiswesen, Identifizierungssysteme 12:45-13:00 Einführung in PersoApp & Beirat: Prof. Dr. Ahmad-Reza Sadeghi und Dr. Sven Wohlgemuth (TU Darmstadt/CASED) 13:00-13:30 Vorstellung „PersoApp – Sichere und benutzerfreundliche Internet-Anwendungen“: Prof. Dr. Ahmad-Reza Sadeghi und Dr. Sven Wohlgemuth (TU Darmstadt/CASED) 13:30-13:45 Pause 13:45-14:15 Vorstellung „PersoApp – Pre-Release und Open-Source-Software-Bibliothek“: Christian Bruntsch (AGETO Service GmbH) 14:15-14:45 Vorstellung „PersoApp – Handlungsempfehlungen für eine sichere Integration der PersoApp-Open-Source-Software-Bibliothek“: Dr. Thorsten Henkel (Fraunhofer SIT) 14:45-15:15 Erwartung der Beiratsmitglieder und Diskussion: Alle 15:15-15:20 Wahl des Beiratsvorsitzenden 15:20-15:30 Sonstiges Ausweisdokument Bitte denken Sie daran, ein gültiges Ausweisdokument für die Anmeldung vor Ort mitzuführen. Technische Geräte (Notebooks, Telefone) können ohne Einschränkung mitgeführt werden. Sprache Die Verhandlungssprache ist Deutsch. Eine Simultanübersetzung Deutsch-Englisch wird die Sitzung unterstützen. Konsortialleitung: Prof. Dr. Ahmad-Reza Sadeghi und Dr. Sven Wohlgemuth System Security Lab, TU Darmstadt/CASED, Monnewegstr. 32, 64293 Darmstadt Tel.: +49-6151-16-75561 Fax: +49-6151-16-72135 E-Mail: persoapp@trust.cased.de Web: https://www.persoapp.de	 Teilnehmer (in alphabetischer Reihenfolge) 1) Ammar Alkassar, Sirix AG security technologies, CEO, Vorstand im deutschen IT-Sicherheitsverband TeleTrust, Saarbrücken, Deutschland 2) Christoph Bilsanz, Deutsche Rentenversicherung, Datenstelle der Träger der Rentenversicherung (DSRV), Frankfurt/Main, Deutschland 3) Christian Bruntsch, AGETO Service GmbH, Mitglied im Projekt Management Board PersoApp, Jena, Deutschland 4) Dr. Tilm Fasel, REWE Group, Referent Projekte & Strategie, Köln, Deutschland 5) Dr. Stefan Fenz, SBA Research, Wien, Österreich 6) Dr. Harald Fischer, Lohmann und Birkner Mobile Services GmbH, Geschäftsführung, Berlin und Freiburg i.Br., Deutschland 7) Markus Golling, DATEV eG, Leiter Entwicklung Security Produkte, Nürnberg, Deutschland 8) Olaf Götz, Bundesministerium des Innern, Referat IT 4 Pass- und Ausweiswesen, Identifizierungssysteme, Berlin, Deutschland 9) Martin Gresser, Kreissparkasse Ludwigslburg, Direktor Organisation/IT und Elektronischer Vertrieb, stellvertretendes Vorstandmitglied, Ludwigslburg, Deutschland 10) André Gutwirth, AGETO Service GmbH, Projektleiter in PersoApp, Jena, Deutschland 11) Dr. Thonias Henkel, Fraunhofer-Institut für Sicherheit in der Informationstechnik (SIT), Mitglied im Projekt Management Board von PersoApp, Darmstadt, Deutschland 12) Gerald Hübner, SAP AG, Chief Product Security Officer, Walldorf, Deutschland 13) Dr. Dietel Hühnerlein, eCase GmbH, Geschäftsführung, Leiter Open eCard, Michelau, Deutschland 14) Prof. Dr. Günter Karjoth, Hochschule Luzern, Department Wirtschaft, Kompetenzzentrum Informationssicherheit, Luzern, Schweiz 15) Dr. Stephan Klein, braem online services GmbH & Co. KG, Geschäftsführer, Bremen, Deutschland 16) Ralf Kleinfeld, Otto Group, Leiter IT Security und Netzwerk Infrastruktur, Hamburg, Deutschland 17) Dr. Dennis Kügel, Bundesamt für Sicherheit in der Informationstechnik, Referatsleiter eID-Technologien und Chipkarten, Bonn, Deutschland 18) Prof. Dr. Marian Margraf, Hochschule Darmstadt, Theoretische Informatik, IT-Sicherheit, Grundlagen der Informatik, Darmstadt, Deutschland 19) Charles-Henri Menseau, Agence National des Titres Sécurisés (ANTS), Project Manager eID Card – eServices, Charleville-Mézières, Frankreich 20) Frank Milas, inc information multimedia communication AG, Vorstand, Saarbrücken, Deutschland 21) Dr. Kim Nguyen, Bundesdruckerei GmbH, Geschäftsführung D-TRUST, Berlin, Deutschland 22) Mamiro Obuchi, National Institute of Informatics, Tokyo, Japan 23) Martin Paljak, Estonian Information System's Agency, Open Source CERT-EE, Tallinn, Estland 24) Dr. Martin Reichenbach, Commerzbank AG, Informationssicherheitsbeauftragter, Leiter IT Security, Global IT Services, Frankfurt/Main, Deutschland 25) Dr. Denis Royer, Otto Group, Infrastructure Architecture, Hamburg, Deutschland 26) Markus Ruppert, KOBIL Systems GmbH, CTO, FlexSecure GmbH, Geschäftsführer, Worms, Deutschland bzw. Darmstadt, Deutschland 27) Prof. Dr. Stefan Sackmann, Martin-Luther Universität Halle-Wittenberg, Professor für Betriebliches Informationsmanagement, Automatisierte Geschäftsprozesse, Automatisierung von Compliance und Risikomanagement, Halle, Deutschland 28) Prof. Dr. Ahmad-Reza Sadeghi, TU Darmstadt/CASED, Konsortialleitung, Darmstadt, Deutschland 29) Sascha Sauer, AGETO Service GmbH, Geschäftsführung, Jena, Deutschland 30) Bernhard Schmid, Micronas GmbH, Manager IT Operations, Freiburg i.Br., Deutschland 31) Dr. Matthias Schunter, Intel GmbH, Chief Technologist & Principal Investigator, Intel Collaborative Research Institute for Secure Computing (ICRS-SCI), Darmstadt, Deutschland 32) Dr. Harald Schöningh, Software AG, Head of Research, Darmstadt, Deutschland 33) Prof. Dr. Guido Schryen, Universität Regensburg, Institut für Wirtschaftsinformatik an der Fakultät für Wirtschaftswissenschaften, Regensburg, Deutschland 34) Prof. Dr. Noboru Sonehara, National Institute of Informatics, Director of Information and Society Research Division, Dean of the Graduate University for Advanced Studies (SOKENDAI), Tokyo, Japan 35) Dr. Stefan Weiss, Swiss Reinsurance Company Ltd., Global Data Protection Officer, Director Legal & Compliance, Zürich, Schweiz Konsortialleitung: Prof. Dr. Ahmad-Reza Sadeghi und Dr. Sven Wohlgemuth System Security Lab, TU Darmstadt/CASED, Monnewegstr. 32, 64293 Darmstadt Tel.: +49-6151-16-75561 Fax: +49-6151-16-72135 E-Mail: persoapp@trust.cased.de Web: https://www.persoapp.de
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<p></p> <p>36) Christian Weizel, Mitglied im Lenkungsausschuss von PersoApp, Fraunhofer-Institut für Offene Kommunikationssysteme (FOKUS), Berlin, Deutschland 37) Rigo Wenning, W3C/ERCIM, W3C's Legal Counsel and W3C Privacy Activity Lead, Sophia-Antipolis, Frankreich 38) Dr. Sven Wohlgenuth, TU Darmstadt/CASED, Konsortialleitung PersoApp, Darmstadt, Deutschland 39) Klaus-Dieter Wolfenstetter, Deutsche Telekom AG, Projektleiter der Deutsche Telekom Innovation Laboratories (T-Lab), Vorsitzender des BITKOM Fachausschusses Elektronische Identitäten (eID), Berlin, Deutschland 40) Klaus Wolter, Bundesverwaltungsamt, Vergabestelle für Berechtigungszertifikate, Köln, Deutschland 41) Prof. Dr. Alf Zugenmaier, Hochschule für Angewandte Wissenschaften München, Professor für Mobile Netze und Sicherheit, München, Deutschland 42) Harald Zwingelberg, Unabhängiges Landeszentrum für Datenschutz Schleswig-Holstein, Kiel, Deutschland</p> <p>Konsortialleitung: Prof. Dr. Ahmad-Reza Sadeghi und Dr. Sven Wohlgenuth System Security Lab, TU Darmstadt/CASED, Monnewegstr. 32, 64293 Darmstadt Tel.: +49-6151-16-75561 Fax: +49-6151-16-72135 E-Mail: persoapp@trust.cased.de Web: https://www.persoapp.de</p>	<p></p> <p>Constitutive Meeting of the Advisory Board of the Open Source Project "PersoApp" September 4, 2013 in Berlin Agenda (Date: September 2, 2013)</p> <p>Venue: Federal Ministry of the Interior (BMI), Alt-Moabit 101D, Room 1.071, 10559 Berlin Time: 12h30 until 15h30</p> <p>Wednesday, September 4, 2013</p> <p>12:30-12:45 Welcome: Ministerialrat Achim Hildebrandt (BMI) – Head of Division Passports and Identity Documents, Identification Systems 12:45-13:00 Introducing PersoApp & Advisory Board: Prof. Dr. Ahmad-Reza Sadeghi and Dr. Sven Wohlgenuth (TU Darmstadt/CASED) 13:00-13:30 Introducing "PersoApp – Secure and User-Friendly Internet Applications": Prof. Dr. Ahmad-Reza Sadeghi and Dr. Sven Wohlgenuth (TU Darmstadt/CASED) 13:30-13:45 Break 13:45-14:15 Introducing "PersoApp – Pre-Release and Open Source Software Library": Christian Bruntsch (AGETO Service GmbH) 14:15-14:45 Introducing "PersoApp – Guidelines for Secure Integration of the PersoApp Open Source Software Library": Dr. Thorsten Henkel (Fraunhofer SIT) 14:45-15:15 Expectations of Advisory Board Members & Discussion: Everyone 15:15-15:20 Election of Chairman of the Advisory Board: Everyone 15:20-15:30 Miscellaneous</p> <p>Identity Card</p> <p>Please take your passport with you for the access control at the entrance of the ministry. Technical devices (notebook, mobile phone) can be carried along without any restrictions.</p> <p>Language</p> <p>The negotiation language shall be German. A simultaneous translation for German-English will support this meeting.</p> <p>Konsortialleitung: Prof. Dr. Ahmad-Reza Sadeghi und Dr. Sven Wohlgenuth System Security Lab, TU Darmstadt/CASED, Monnewegstr. 32, 64293 Darmstadt Tel.: +49-6151-16-75561 Fax: +49-6151-16-72135 E-Mail: persoapp@trust.cased.de Web: https://www.persoapp.de</p>
<p></p> <p>Participants (in alphabetic order)</p> <p>1) Ammar Alkassar, Sirix AG security technologies, CEO, Member of Executive Board of TeleTrust – IT Security Association Germany, Saarbrücken, Germany 2) Christoph Bilitanz, Deutsche Rentenversicherung, German Statutory Pension Insurance Scheme, Frankfurt/Main, Germany 3) Christian Bruntsch, AGETO Service GmbH, Member of Project Management Board PersoApp, Jena, Germany 4) Dr. Tilus Faupel, REWE Group, Projects & Strategy, Cologne, Germany 5) Dr. Stefan Fanz, SBA Research, Vienna, Austria 6) Dr. Harald Fischer, Lohmann and Birkner Mobile Services GmbH, CEO, Berlin and Freiburg i.Br., Germany 7) Markus Golling, DATEV eG, Head of Development Security Products, Nuernberg, Deutschland 8) Olaf Götz, Federal Ministry of the Interior, Department IT 4 Passport and Identity Documents, Identification Systems, Berlin, Germany 9) Martin Gresser, Kreissparkasse Ludwigsburg, Director Organization/IT and Electronic Sales, Deputy Member of the Executive Board, Ludwigsburg, Germany 10) Andrea Guwerth, AGETO Service GmbH, Project leader within PersoApp, Jena, Germany 11) Dr. Thorsten Henkel, Fraunhofer-Institute for Security in the Information Technology (SIT), Member of Project Management Board PersoApp, Darmstadt, Germany 12) Gerald Hübnner, SAP AG, Chief Product Security Officer, Walldorf, Germany 13) Dr. Detlef Hühnlein, ecec GmbH, CEO, Head of Open eCard, Michellau, Germany 14) Prof. Dr. Günter Karjoth, Lucerne University of Applied Sciences and Arts, Department Economy, Competence Center Information Security, Lucerne, Switzerland 15) Dr. Stephan Klein, Bremen online services GmbH & Co. KG, CEO, Bremen, Germany 16) Ralf Kneifeld, Otto Group, Head of IT Security and Network Infrastructure, Hamburg, Germany 17) Dr. Dennis Küger, Federal Office for Information Security, Head of Division eID Technology and SmartCards, Bonn, Germany 18) Prof. Dr. Marian Margraf, University of Applied Sciences Darmstadt, Theoretical Informatics, IT Security, and Foundations of Informatics, Darmstadt, Germany 19) Charles-Henri Menissau, Agence Nationale des Titres Sécurisés (ANTS), Project Manager eID Card – eServices, Charleville-Mézières, France 20) Frank Milius, inc information multimedia communication AG, Member of the Board, Saarbrücken, Germany 21) Dr. Kim Nguyen, Bundesdruckerei GmbH, CEO D-TRUST, Berlin, Germany 22) Menniko Otsuki, National Institute of Informatics, Tokyo, Japan 23) Martin Paljak, Estonian Information System's Agency, Open Source CERT-EE, Tallinn, Estonia 24) Dr. Martin Raichenbach, Commerzbank AG, Head of IT Security, Global IT Services, Frankfurt/Main, Germany 25) Dr. Denis Royer, Otto Group, Infrastructure Architecture, Hamburg, Germany 26) Markus Ruppert, KOBIL Systems GmbH, CTO, FlexSecure GmbH, CEO, Worms/Darmstadt, Germany 27) Prof. Dr. Stefan Sackmann, Martin-Luther Universität Halle-Wittenberg, Professor for Information Science and Management, Halle, Germany 28) Prof. Dr. Ahmad-Reza Sadeghi, TU Darmstadt/CASED, Head of Consortium PersoApp, Darmstadt, Germany 29) Sascha Sauer, AGETO Service GmbH, CEO, Jena, Germany 30) Bernhard Schmidt, Micronas GmbH, Manager IT Operations, Freiburg i.Br., Germany 31) Dr. Matthias Schunter, Intel GmbH, Chief Technologist & Principal Investigator, Intel Collaborative Research Institute for Secure Computing (ICRISC), Darmstadt, Germany 32) Dr. Harald Schöning, Software AG, Head of Research, Darmstadt, Germany 33) Prof. Dr. Guido Schryen, Universität Regensburg, Professor Management Information Systems, Regensburg, Germany 34) Prof. Dr. Noboru Sonehara, National Institute of Informatics, Director of Information and Society Research Division, Dean of the Graduate University for Advanced Studies (SOKENDAI), Tokyo, Japan 35) Dr. Stefan Weiss, Swiss Reinsurance Company Ltd., Global Data Protection Officer, Director Legal & Compliance, Zurich, Switzerland</p> <p>Konsortialleitung: Prof. Dr. Ahmad-Reza Sadeghi und Dr. Sven Wohlgenuth System Security Lab, TU Darmstadt/CASED, Monnewegstr. 32, 64293 Darmstadt Tel.: +49-6151-16-75561 Fax: +49-6151-16-72135 E-Mail: persoapp@trust.cased.de Web: https://www.persoapp.de</p>	<p></p> <p>36) Christian Weizel, Member of Steering Committee of PersoApp, Fraunhofer Institute for Open Communication Systems (FOKUS), Berlin, Germany 37) Rigo Wenning, W3C/ERCIM, W3C's Legal Counsel and W3C Privacy Activity Lead, Sophia-Antipolis, France 38) Dr. Sven Wohlgenuth, TU Darmstadt/CASED, Head of Consortium PersoApp, Darmstadt, Germany 39) Klaus-Dieter Wolfenstetter, Deutsche Telekom AG, Project Manager at Deutsche Telekom Innovation Laboratories (T-Lab), Chairman of BITKOM Expert Committee Electronic Identities (eID), Berlin, Germany 40) Klaus Wolter, The Federal Office of Administration, Issuing Body for Authorization Certificates, Cologne, Germany 41) Prof. Dr. Alf Zugenmaier, University of Applied Sciences Munich, Professor for Mobile Networks and Security, Munich, Germany 42) Harald Zwingelberg, Unabhängiges Landeszentrum für Datenschutz Schleswig-Holstein, Kiel, Germany</p> <p>Konsortialleitung: Prof. Dr. Ahmad-Reza Sadeghi und Dr. Sven Wohlgenuth System Security Lab, TU Darmstadt/CASED, Monnewegstr. 32, 64293 Darmstadt Tel.: +49-6151-16-75561 Fax: +49-6151-16-72135 E-Mail: persoapp@trust.cased.de Web: https://www.persoapp.de</p>