



## D13.1.8

# Report on Dissemination, normalization and list of technical outcomes

## #8 - November 2014

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Contributors	All	Reviewers	RD, HR

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### 1. Executive Summary

This is the eighth quarterly internal newsletter with the aim to enable a consortium wide coordination and agreements on dissemination, reporting on the dissemination activities, key goals and identified potentials, as well as a review of project outcomes to date.

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## 2. Document Information

### 1.1 Contributors

Name	Partner
Jon Shamah	EEMA
David Goodman	EEMA
*	All other Partners

### 1.2 History

Version	Date	Author	Changes
0.1	20/10/2014	JS / EEMA	Initial
1.0	31/10/2014	JS / EEMA / IFG	Minor changes

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### 1.3 Table of Figures

N/A

### 1.4 Table of Tables

N/A

### 1.5 Table of Acronyms

N/A

### 1.6 Referenced Documents

N/A

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## 4. Project Description

The *FutureID* project builds a comprehensive, flexible, privacy-aware and ubiquitously usable identity management infrastructure for Europe, which integrates existing eID technology and trust infrastructures, emerging federated identity management services and modern credential technologies to provide a user-centric system for the trustworthy and accountable management of identity claims.

The *FutureID* infrastructure will provide great benefits to all stakeholders involved in the eID value chain. Users will benefit from the availability of a ubiquitously usable open source eID client that is capable of running on arbitrary desktop PCs, tablets and modern smart phones. *FutureID* will allow application and service providers to easily integrate their existing services with the *FutureID* infrastructure, providing them with the benefits from the strong security offered by eIDs without requiring them to make substantial investments.

This will enable service providers to offer this technology to users as an alternative to username/password based systems, providing them with a choice for a more trustworthy, usable and innovative technology. For existing and emerging trust service providers and card issuers *FutureID* will provide an integrative framework, which eases using their authentication and signature related products across Europe and beyond.


To demonstrate the applicability of the developed technologies and the feasibility of the overall approach *FutureID* will develop two pilot applications and is open for additional application services who want to use the innovative *FutureID* technology

*Future ID* is a three-year duration project funded by the European Commission Seventh Framework Programme (FP7/2007-2013) under grant agreement no. 318424

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## 5. Internal Newsletter #8 – November 2014

Internal  
 Newsletter 8  
 Deliverable D 13.1.8  
 November 2014



### LATEST NEWS

2014 GENERAL ASSEMBLY IN TALLIN



Over forty partner representatives attended the recent FutureID General Meeting that took place on 21-23 October.

SK hosted the event that succeeded in consolidating and discussing the outcomes from Period 2 and aligning all partners for reaching the final milestones in Period 3. The discussion on the current status of subprojects 3, 4, and 5, was accompanied by the demonstration of outcomes for the upcoming review meeting in Stuttgart on 27<sup>th</sup> of November. These included the FutureID client, mockups, eSignature capabilities, and the automotive use cases.

The evaluation results for the reference architecture, along with the evaluation roadmap were presented and discussed. Additionally, workshops on the respective work packages in subprojects 3, 4, and 2 were held in order to enable partners to efficiently align and discuss next steps.

After the successful launch of the FutureID Associate Member program, we were delighted to welcome to the meeting a representative from our first associate, TUBITAK

The meeting concluded with wide consensus on the outstanding issues from period 2.

Team pictures can be found at:  
<https://dms-prext.fraunhofer.de/livelink/livelink.exe/overview/4751830>

The next FutureID General Meeting will be hosted by Comarch and take place in Krakow Poland in April 2015 (mid period 3).

FUTUREID ASSOCIATE TUBITAK WELCOMED

Burcin Bozkurt, the representative of TUBITAK at the Tallinn actively engaged in discussions and worked with various WP teams to establish how TUBITAK could contribute to FutureID. Burcin signalled TUBITAK's intention to integrate their eID technologies, such as the Turkish eID, thereby furthering exploitation and dissemination of FutureID.

Information on the FutureID Associate Membership including application pack can be found on the wiki at:  
[https://publicwiki-01.fraunhofer.de/Future\\_ID/index.php/WP13: Associate\\_Membership\\_Documentation](https://publicwiki-01.fraunhofer.de/Future_ID/index.php/WP13: Associate_Membership_Documentation)

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**NEW PARTNER CONTACT AT COMARCH**

Jurek Szczebak ([Jerzy.Szczebak@comarch.pl](mailto:Jerzy.Szczebak@comarch.pl)) has recently joined the FutureID project as the new contact person from Comarch.

*Welcome Jurek!*

**NEW PARTNER CONTACT AT EEMA**

David Goodman ([david.goodman@eema.org](mailto:david.goodman@eema.org)) has now taken over from Roger Dean as Executive Director of EEMA.

*Welcome David!*

**NEW PARTNER CONTACT AT USTUTT**

Janina Hofer ([janina.hofer@iat.uni-stuttgart.de](mailto:janina.hofer@iat.uni-stuttgart.de)) will take over from Eray Özmü as USTUTT contact person.

*Welcome Janina!*

**WP, DELIVERABLES AND TASK NEWS**



All in all, this quarter has seen a lot of effort going into progressing work packages.....

**WP 01 – PROJECT MANAGEMENT**

It is not clear how Sebastian does it, but the financials are now ready for submission. FutureID management efforts resulted in a very successful General Meeting and Assembly in Tallinn.

**WP 12 – CONSOLIDATION & EVALUATION**

Work Package 12 is on schedule and the adjustment of the requirements for the three artifacts to be evaluated (architecture, implementation, pilots) has been completed. A first draft of the evaluation of the reference architecture was presented at the General Assembly in Tallinn.

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### TASK 12.5 – USABILITY EVALUATION

Analysis of the context in which requirements can be best assessed has been evaluated (architecture, development, or pilot) and according to the expected timeframes. We also evaluated suitable usability and user experience testing methods, taking into account results from the initial user interface related tests in task 34.3 (Usability Analysis). We are now making the initial plans for the collective user tests being conducted in Period 3.

### TASK 12.7 LEGAL EVALUATION

We inserted the requirements from D22.6 in the dedicated wiki, started to define the appropriate levels and evaluation mechanisms and evaluated the architecture (as far as possible).

### WP 31 – INTERFACE DEVICE SERVICE

In WP 31 we published on time deliverable D 31.4 that defines unit and system tests for the IFD and provides input for the test bed work in WP 37. The test cases for the system tests are based on the German nPA ID card and the Austrian citizen card both of which cover the most important functionality of the IFD.

### TASK 32.5 - EID CLIENT, IMPLEMENTATION OF PROTOCOL-SPECIFIC MODULES FOR SELECTED PROTOCOLS

Task 32.5 a new protocol for ABC4Trust using Idemix/IRMA credentials has been specified and its implementation in the FutureID client and on the server side is almost finished.

### TASK 32.8 - LEGAL ANALYSIS OF EID CLIENT SERVICES

We will produce a comprehensive analysis of the legal framework surrounding the provisioning of FutureID client services. This will specially be focused on data protection and on the level of the user interface. We are also including an overview on national systems and legislation in Germany, the Netherlands, Belgium and Austria, which will additionally be used to address the recommendation for D22.6.

### TASK 33.6 - LEGAL ANALYSIS OF E-SIGNATURE SERVICES

We are making an analysis of the legal framework surrounding the provisioning of FutureID eSignature services. In this regard we specifically focusing on the legal framework set forth by the eIDAS regulation.

### WP 35 – TRUSTWORTHY CLIENT PLATFORM

Within WP 35 and extension of the Open Mobile API has been implemented which allows contactless cards on mobile devices via NFC and USB readers to be addressed by corresponding plugin-terminals. This solution allows the Open Mobile API to be used as a single channel on mobile devices for NFC-, USB- and SIM-based credentials. The implementation also serves as a basis for the mobile ID demo that uses PKI-based credentials on a SIM card or on a contactless card.

A simple demo app for demonstrating the access and management of the credentials has been developed as well. The integration with the FutureID Android client is currently ongoing. Using an automatic tool that has been developed in WP 32, several Card Info Files (CIF, according to ISO/IEC 24727-3 Amd 1) have been created.

These CIF are a fundamental building block of the FutureID clients' capability to address a large variety of smart cards. CIF for the Austrian e-Card, the Estonian ID card and several German ID, banking and signature cards have already been created. Other cards, like the Belgian ID card and the Peruvian ID card are currently under preparation.

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### WP 36 – BROWSER INTEGRATION

WP36 is on schedule so far. It is currently in the implementation phase with task D36.3.

### TASK 41.6 - LEGAL ANALYSIS OF THE IDENTITY BROKER

The objective of this task is to produce a comprehensive analysis of the legal framework surrounding the provisioning of the Identity Broker services. Particular attention will be paid to issues of data protection and intermediary liability.

### WP 42 - UNIVERSAL AUTHENTICATION SERVICE

Everything on schedule. The APS compiler is now connected to the tool ProVerif (via a translation to applied-pi). This allows automated, formal verification of protocols formulated in APS with ProVerif.

### WP 43 – TRUST SERVICES

The development of WP43 is for now completed and the deliverable document D43.4 is work in progress. The implementation covers signature validation, long term/QC verification based on TSLs and trust anchor resolution via DNS(SEC).

### TASK 44.6 – INTEGRATION OF APPLICATIONS

We have now identified six possible applications to be integrated and have started the technical discussions in preparation for the integration efforts in April.

## DISSEMINATION

### FOSAD2014, BERTINORO, ITALY, 05/09/2014,

Presentation, Alice and Bob: Reconciling Formal Methods and Implementation, Omar Almousa and Sebastian Mödersheim, DTU

### EAB RESEARCH PROJECTS CONFERENCE 2014, DARMSTADT, GERMANY, 09/09/2014,

Presentation, Innovative Building Blocks for Future Identity Management Infrastructures, Max Tuengerthal, ECS

### EAB RESEARCH PROJECTS CONFERENCE 2014, DARMSTADT, GERMANY, 09/09/2014,

Presentation, "The FutureID Reference Architecture", Bud P. Bruegger, FHG

### IFIP SUMMER SCHOOL ON PRIVACY AND IDENTITY MANAGEMENT FOR THE FUTURE INTERNET IN THE AGE OF GLOBALISATION, PATRAS, GREECE, 10/09/2014,

Paper, "An Economic Perspective on the State-of-the-Art of Scientific Publications on Identity Management", Nicolas Fähnrich and Michael Kubach, USTUTT

Paper, "The challenge on how to evaluate a large scale identity management system developed in a European project – The FutureID approach", Rachelle Sellung and Heiko Roßnagel, FHG

Paper, "Privacy by Design - The case of Automated Border Control", Pagona Tsormpatzoudi, Diana Dimitrova, Jessica Schroers, Els Kindt, KUL

### SECURITY AND TRUST WORKSHOP (STM) 2014, WROCLAW, POLAND, 10/09/2014, PAPER,

Presentation, "Efficient Java Code Generation of Security Protocols specified in AnB/AnBx", Paolo Modesti, UNEW

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<b>W3C-WORKSHOP, MOUNTAIN VIEW, USA, 11/09/2014</b>
Presentation, Towards harmonizing ISO/IEC 24727 with FIDO and Web Crypto API in order to enable strong authentication and trustworthy identities for the Open Web Platform, Huehnlein, Detlef, ECS
<b>NORSTELLA EID WORKSHOP, OSLO, NORWAY, 16/09/2014</b>
Presentation, "E-ID, Sosiale Medier, industristandarder- nytteverdi og risiko. Innføring i populære e-ID-systemer." (in Norwegian. English title: E-ID, social media, industry standards - benefits and risks. Introduction into popular e-ID systems), Lothar Fritsch, NRS
<b>NORSTELLA EID WORKSHOP, OSLO, NORWAY, 16/09/2014</b>
Presentation, "The FutureID Reference Architecture -- user control and privacy", Bud P. Bruegger, FHG
<b>UNIVERSITY OF OSLO AFSECURITY SEMINAR, OSLO, NORWAY, 17/09/2014</b>
Presentation, "The FutureID approach to interoperable, cross-border digital identity", Bud P. Bruegger, FHG
<b>TELETRUST INFORMATIONSTAG "ELEKTRONISCHE SIGNATUR", BERLIN, GERMANY,</b>
Presentation, eIDAS as a Service - Gibt es die starke Authentisierung und die elektronische Signatur bald aus der Cloud?, Huehnlein, Detlef, ECS
<b>CLOUDCYCLE14 WORKSHOP, STUTTART, GERMANY, 22/09/2014</b>
Paper, "Realisierung von vertrauenswürdigem Cloud-Computing mit SkIDentity: Der Anwendungsfall in Wertschöpfungsketten der Automobilindustrie", G. Flach, Michael Kubach, Eray Özmü, and I.Wehrenberg, USTUTT
<b>WORLD E-ID CONGRESS, MARSEILLE, FRANCE, 23/09/2014</b>
Presentation, "FutureID: a Decentralized Identity Management Ecosystem", Bud P. Bruegger, FHG
<b>WORLD E-ID CONGRESS, MARSEILLE, FRANCE, 23/09/2014</b>
Chair, Global eIDs; Chair, eID for Enterprises, Jon Shamah, EEMA
<b>CHIP TO CLOUD CONFERENCE, MARSEILLE, FRANCE, 25/09/2014</b>
Presentation, "ID Wallet - A user centric concept for identification", Alexander Summerer, G&D
<b>WORLD EID CONGRESS, MARSEILLE, FRANCE, 25/09/2014</b>
Presentation, "Overview of Mobile ID solutions", Alexander Summerer, G&D
<b>ISSE 2014, BRUSSELS, BELGIUM, 15/10/2014</b>
Presentation, "Towards eIDAS as a Service", Detlef Huehnlein, ECS
<b>13TH SMARTCARD ALLIANCE GOVERNMENT CONFERENCE, WASHINGTON D.C., USA, 29/10/2014</b>
Presentation, "SmartCard API - The enabler of mobile ID solutions", Alexander Summerer, G&D

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**DISSEMINATION REPORTING:**

To view previous contributions by partners and to enter upcoming contributions; please utilize the Dissemination Reporting page on the wiki:

[https://publicwiki-01.fraunhofer.de/Future\\_ID/index.php/WP13: Dissemination Reporting](https://publicwiki-01.fraunhofer.de/Future_ID/index.php/WP13:DisseminationReporting)

*Please keep this updated!*

## UPCOMING EVENTS 2014/15

**OPEN IDENTITY SUMMIT 2014**

Stuttgart, 4-6 November 2014

[www.openidentity.eu](http://www.openidentity.eu)

**CARTES**

Paris, 4-6 November 2014

Global event for payment, identification and mobility

[www.cartes.com/](http://www.cartes.com/)

**GLOBAL FORUM**

Geneva, 17-18 November 2014

A Connected Age Opportunities & Disruptions In A Time Of Transformation

[www.globalforum.items-int.com/](http://www.globalforum.items-int.com/)

**EWTI**

Vienna, 3-4 December 2015

Technical ID open workshop

[www.identityworkshop.eu](http://www.identityworkshop.eu)

**EEMA / BCS WORKSHOP - SECURE CROSS BORDER BUSINESS IN 2015**

London, 12 December 2014

Guidance to companies and government who are looking to take advantage of secure and accredited Identity

[www.eema.org](http://www.eema.org)

**INTERNATIONAL CYBER SECURITY STRATEGY CONGRESS 2015**

Lueven, 4-5 February 2015

[www.icss2015.eu/](http://www.icss2015.eu/)

**TRUST IN THE DIGITAL WORLD**

Madrid, 25-26 February 2015

EEMA / Trust in Digital Life conference

[www.eema.org](http://www.eema.org) ; [www.trustindigitallife.eu](http://www.trustindigitallife.eu)

**EUROPEAN IDENTITY & CLOUD CONFERENCE**

Munich, 5-8 May 2015

Kuppinger Cole conference

[www.id-conf.com/events/eic2015](http://www.id-conf.com/events/eic2015)

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### IDENTITY NORTH 2015

Toronto, 6-7 May, 2015

Identity North: Digital Identity, Security & Online Fraud – Conference

[www.identitynorth.ca](http://www.identitynorth.ca)

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