



D11.5

Report on Dissemination, Exploitation, and List of Technical Outcomes (2)

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Lead Participants	EEMA	Contributors	FHG, OIX
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1. Executive Summary

This document is a copy of the report on dissemination, exploitation and list of technical outcomes, in the form of a news bulletin.

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2. Document Information

Contributors

Name	Partner
Lorraine Spector	EEMA

History

Version	Date	Author	Changes
V1.00	13/02/2017	LS	Initial Document
V1.00	15/02/2017	FD	Minor grammar changes

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4. Project Description

LIGHT^{est} project to build a global trust infrastructure that enables electronic transactions in a wide variety of applications

An ever increasing number of transactions are conducted virtually over the Internet. How can you be sure that the person making the transaction is who they say they are? The EU-funded project LIGHT^{est} addresses this issue by creating a global trust infrastructure. It will provide a solution that allows one to distinguish legitimate identities from frauds. This is key in being able to bring an efficiency of electronic transactions to a wide application field ranging from simple verification of electronic signatures, over eProcurement, eJustice, eHealth, and law enforcement, up to the verification of trust in sensors and devices in the Internet of Things.

Traditionally, we often knew our business partners personally, which meant that impersonation and fraud were uncommon. Whether regarding the single European market place or on a Global scale, there is an increasing amount of electronic transactions that are becoming a part of peoples everyday lives, where decisions on establishing who is on the other end of the transaction is important. Clearly, it is necessary to have assistance from authorities to certify trustworthy electronic identities. This has already been done. For example, the EC and Member States have legally binding electronic signatures. But how can we query such authorities in a secure manner? With the current lack of a worldwide standard for publishing and querying trust information, this would be a prohibitively complex leading to verifiers having to deal with a high number of formats and protocols.

The EU-funded LIGHT^{est} project attempts to solve this problem by building a global trust infrastructure where arbitrary authorities can publish their trust information. Setting up a global infrastructure is an ambitious objective; however, given the already existing infrastructure, organization, governance and security standards of the Internet Domain Name System, it is with confidence that this is possible. The EC and Member States can use this to publish lists of qualified trust services, as business registrars and authorities can in health, law enforcement and justice. In the private sector, this can be used to establish trust in inter-banking, international trade, shipping, business reputation and credit rating. Companies, administrations, and citizens can then use LIGHT^{est} open source software to easily query this trust information to verify trust in simple signed documents or multi-faceted complex transactions.

The three-year LIGHT^{est} project starts on September 1st 2016 and has an estimated cost of almost 9 Million Euros. It is partially funded by the European Union's Horizon 2020 research and innovation programme under G.A. No. 700321. The LIGHT^{est} consortium consists of 14 partners from 9 European countries and is coordinated by Fraunhofer-Gesellschaft. To reach out beyond Europe, LIGHT^{est} attempts to build up a global community based on international standards and open source software.

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The partners are ATOS (ES), Time Lex (BE), Technische Universität Graz (AT), EEMA (BE), G&D (DE), Danmarks tekniske Universitet (DK), TUBITAK (TR), Universität Stuttgart (DE), Open Identity Exchange (GB), NLNet Labs (NL), CORREOS (ES), IBM Denmark (DK) and Globalsign (FI).

The Fraunhofer IAO provides the vision and architecture for the project and is responsible for both, its management and the technical coordination.

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5. Project Reference

A report on dissemination, exploitation and list of technical outcomes.

These deliverables are a series of bulletins describing relevant current dissemination outcomes and technical updates thus promoting internal communications.

The reports will be circulated as a newsletter.

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6. LIGHTest Bulletin (2)

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This Project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 700321 

eIDAS Trust Services SIX MONTHS ON

Six months after the new rules for trust services came into force under the eIDAS regulation, an eIDAS Trust Services Workshop was held in Brussels, on 19 December 2016, to present the state of play.

On 1st July 2016, Chapter III of Regulation (EU) 910/2014, which lays down the rules on Trust Services, i.e. electronic signatures, electronic seals, electronic time stamps, electronic registered delivery services and website authentication, was applied directly in all 28 Member States. This represents a big step forward in building a Digital Single Market and will result in important changes both for public administrations and the providers of these services.

From the 1999 Directive on electronic signatures, we now have a directly applicable legal text going beyond electronic signatures and including a set of trust services which are important for secure and



Andrea Servida
Head of the Unit "eGovernment & Trust" at DG CONNECT, European Commission

service providers and the qualified trust services provided by them are included in the Trusted Lists – which now have a constitutive effect (unlike before 1st July, when they were only an information tool).

The workshop was organised for Member States, Supervisory Bodies, Conformity Assessment Bodies, National Accreditation Bodies, Certification Bodies (under Art. 30 of eIDAS Regulation), Trust Service Providers, ENISA and Standardisation Bodies - ETSI (CEN) representatives. It focused on sharing experiences, best practices and success stories through presentations and real use cases, as well as sessions to discuss real challenges and address concrete questions related to the eIDAS requirements.

Thibeau, Executive Director OpenID Foundation and Chairman Open Identity Exchange, join a prestigious list of pioneers, innovators and pace setters, working to advance inclusion, improve products and services, keep personal data safe, and to ensure and protect individual privacy.

The full list of the One World Top 100 Leaders in Identity is available at: <https://oneworldidentity.com/identity-leaders>

convenient electronic transactions across the EU.

This means new rules for public administrations but also for the providers of electronic trust services, which can be either qualified or non-qualified.

Trust service providers can decide whether to become qualified. If they do, there is an initiation process involving different actors, as a result of which qualified trust

LIGHTest Team In Top 100 Identity Leaders

The One World Top 100 Leaders in Identity for 2017 has been revealed and LIGHTest members, Jon Shamah, the Chair of EEMA, and Don



Jon Shamah

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ROLE OF THE LIGHTest ADVISORY BOARD

The purpose of the Advisory Board is to provide an external point of view and guidance on the project from a panel of international experts gathered from multiple stakeholder entities.

The Advisory Board is expected to provide feedback in key relevant areas from the project such as alignment of the project with other existing global initiatives in related fields, outreach and effective community building, and assistance in strategic project decision making.

The Advisory Board shall act as a check to ensure that the project is achieving its stated goals and that the activities being carried out in that respect conform to the standards and ethics to be expected from a major European Commission funded project.

The LIGHTest Advisory Board members are...



Andre Boysen is the Chief Identity Office, Securekey Technologies Inc, Canada and technical DNS Domain expert, as well as being an IETF opinion leader.




Jorge Cuellar is a Research Scientist at Siemens AG, in Germany. He has been very active in IETF, as well as organising many EU-projects.




Esther Makaay is Services Architect, SIDN, Netherlands and has expert knowledge of Internet technologies. She is working on new business developments and is involved in developments regarding digital identities and trust frameworks, DNS (SEC) and top level domains.



Slawomir Gorniak is a CISSP, Expert in Security Tools and Architecture at ENISA in Greece. He has written and edited many reports in the field of cyber security, notably on data breach notifications, supply chain integrity and electronic identities.



Jakob Schlyter is IT Security Advisor at Kirei in Sweden and specialises in information security, security architectures and TCP/IP Internet working.



Sverre Bauck is Ex Bronnoysund Register Centre, Difi and Karde AS, Norway. Sverre has extensive experience in a wide range of e-government initiatives as Dfi, as well as business registers such as the Bronnoysund register and the first European Business Register through Karde.



Timothy Reinger, Information Risk Governance (Digital Identity, CyberSecurity and Information Privacy) Law Counsel at FutureLaw LLC, USA.

Timothy is an internationally recognised expert on eSignature law, identity law and policy.

The Project Coordinator will provide a brief summary of the Project's activities to the Advisory Board on an annual basis.

The Advisory Board will review and if they choose, comment on all deliverables prior to publication.

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WP2 Summary

Title: Requirements, Concepts and Evaluation

Lead Partner: DTU, Denmark
Contact: **Sebastian Moedersheim**

The following tasks are mainly active: T2.1 Inventories: Collecting the existing relevant concepts, solutions, formats, description languages for trust management. We have submitted the first deliverable D2.1 on time, and are currently working on the revised version D2.2.

T2.2 Requirements Analysis: Describing the goals that the final system has to fulfil; we have started a wiki and currently have focussed first on the requirements that are most relevant for the architecture (i.e. T2.4).

T2.3 Formal Description: the formal basis of the project; we are starting on the design of the languages for trust schemes, translation schemes, policies which also will be the basis of the automated trust verifier (WP6).

T2.4 Architecture: the structure of the system and its integration; there is a first draft of the architecture that we are currently

refining for the deliverable that is due soon.

D2.2 (Second version of inventories) due in February -- on time.

D2.3 (Requirements analysis) due in April -- on time.

D2.14 (Architecture) due in February -- on time.

WP3 Summary

Title: Infrastructure for the Publication and Querying of Trust Schemes

Lead Partner: FHG, Germany
Contact: **Dr. Heiko Roßnagel**

WP3 is currently designing a conceptual framework for trust schemes.

A first version of D3.1 will be available in month 8.

Next Deadline D3.1 (Month 8). All on schedule.

WP4 Summary

Title: Infrastructure for Translations across Trust Domains

Lead Partner: ATOS, Spain
Contact: **Alberto Crespo**

T4.1: Design of a Conceptual Framework for Trust Scheme Translation is currently ongoing.

The task is in its initial phase, as it depends on the requirements of T2.2 and architecture of T2.4 that are currently being compiled.

D4.1: T4.1-D1: Conceptual Framework for Trust Scheme Translation (1) is the first deliverable to be produced, to be delivered on month 8.

All is on schedule as far as kick starting and structuring the Atos-led tasks is concerned, focus is now on monitoring and contributing to the progress of the antecedent tasks T2.2 and T2.4.

The Kickoff meeting press release has been disseminated through Atos' channels (http://es.atos.net/es-es/home/quienes-somos/noticias-y-eventos/noticias/2016/pr-2016_11_03.html) and a technical Spanish website (<http://www.computing.es/seguridad/noticias/1093480002501/atos-participa-en-el-proyecto-europeo-lightest-para-asegurar-la-identidad-en-las-transacciones-electronicas.1.html>). Moreover,

information about LIGHTest has been included in the Atos Research and Innovation Booklet (<http://booklet.atosresearch.eu/content/identity-privacy>).

Alberto Crespo attended the CSA-EMEA Congress 2016 (<http://csacongress.org/event/emea-congress-2016/>) on 15-16 November 2016 in Paris, and engaged in dissemination activities of several Atos' projects, including LIGHTest, during the networking sessions.

WP5 Summary

Title: Infrastructure for the Publication and Querying of Delegations

Lead Partner: TU Graz, Austria
Contact: **Peter Lipp**

Based on the inventory of existing delegation schemes and the set of requirements, we are currently working on conceptual representation of delegations and their properties and suitable data formats for storage and interchange of delegations.

On track.

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WP6 Summary

Title: Trust Policy and Automatic TrustDecisions

Lead Partner: **TU Graz, Austria**
Contact: **Peter Lipp**

Based on the inventory and the set of requirements, we are working on abstract and generalized concepts of electronic transactions as well as policies that describe their trustworthiness.

On track

WP7 Summary

Title: Trust Propagation of Derived mobile IDs

Lead Partner: **G&D, Germany**
Contact: **Frank-Michael Kamm**

WP 7 is currently working on the general requirements for derived mobile IDs that should allow establishing a continuous trust propagation chain along the identity lifecycle. The results will be published as deliverable D7.1. In addition, some partners of WP 7 have started work on establishing secure software environments on mobile phones, an important prerequisite for securely storing identity credentials.

Upcoming: deliverable D 7.1 (due end of February)
Meetings: 15.12.2016 Kick-off phone conference
16.01.2017 WP alignment phone conference

The work on D7.1 is currently on track (due date: end of February). Development work on secure software environments is slightly ahead of schedule.

WP8

Title: Integration and Testing

Lead Partner: **Tubitak, Turkey**
Contact: **Muhammet Yildiz**

Our WP starts on month 7 – March 2017.
We will be running a kick-off meeting in February.

WP10

Title: Transfer to Market

Lead Partner: **ATOS, Spain**
Contact: **Lorenzo Rosa**

Starting month 19.

WP11 Summary

Title: Dissemination and Communication

Lead Partner: **EEMA, Belgium**
Contact: **Jon Shamah**

A strong Advisory Board has been assembled to add their vast experience to our activity and is awaiting formal ratification.

T11.2 Dissemination. The quarterly Bulletins are being created and published.

T11.3 Communication Strategy. This is being created by OIX and EEMA and is a live document.

T11.4 Collateral. Standard collateral has been created and specialised communications materials will be created as needed. The Community website is under construction.

T11.5 Communications Actions. There have been few reported activities over this period.

D11.5 Bulletin--A report on dissemination, exploitation and list of technical outcomes.

All is as expected and on schedule.



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LIGHTest PROJECT PARTNERS

More details of the partners on the Project Wiki.

- Gesellschaft zur Förderung der angewandten Forschung ev (Germany)
- Atos Spain SA (Spain)
- Time Lex CYBA (Belgium)
- Technische Universität Graz (Austria)
- European Electronic Messaging Association AISB (Belgium)
- Giesecke & Devrient Gesellschaft Mit beschränkter Haftung (Germany)
- Danmarks Tekniske Universitet (Denmark)
- Türkiye Bilimsel Ve Teknolojik Arastirma Kurumu (Turkey)
- Universität Stuttgart (Germany)
- Open Identity Exchange Europe (UK)
- Stichting NLNet Labs (Netherlands)
- Sociedad Estatal Correos Y Telegrafos SA (Spain)
- IBM Danmark APS (Denmark)
- Gmo Globesign OY (Finland)

ACTIVITIES & EVENTS

27 FEBRUARY - 1 MARCH 2017
GSMA World Mobile Conference Barcelona

26 MARCH 2017
IETF – Internet Engineering Task Force USA www.ietf.org/

26/27 APRIL 2017
Tomorrow's Transactions 2017 Consult Hyperion Conference UK

2 MAY 2017
Internet Identity Workshop 2017 USA www.internetidentityworkshop.com/

9 MAY 2017
EIC - European Identity & Cloud Conference 2017 Germany www.kuppingercole.com/events/eic2017

MAY 2017
EKSISTENZ Public Event in Rome

4/5 JULY 2017
EEMA Annual Conference UK Securing European Business – <http://www.eema.org>

RELATED EUROPEAN IDENTITY PROJECTS

EKSISTENZ

The mission of EKSISTENZ is to deliver a set of innovative and interoperable tools, procedures, methods and processes that will tackle identity theft in the EU. The entire life-cycle of identity will be taken into account and the privacy of citizens will always be considered paramount. In order to

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demonstrate the achievement of its mission, EKSISTENZ is developing a proof of concept relating to banking/finance that will be proven as scalable and deployable at the national level. The next public EKSISTENZ event will take place May 2017 in Rome.

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