LIGHTᴱˢᵀ PROJECT OVERVIEW

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 LIGHTest 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.

LIGHTest develops a lightweight trust infrastructure providing parties of electronic transactions with automatic validation of trust based on their individual trust policies.

To ease integration and improve availability on any system, LIGHTest makes use of the existing global Domain Name System (DNS) for publication, querying, and cross-jurisdiction translation of information relevant to make such decisions, including levels of assurance. Building on top of the existing global infrastructure of the domain name system and explicit efforts to reach international acceptance enable LIGHTest to offer truly "global trust lists".

PROJECT KICK-OFF MEETING IN STUTTGART, GERMANY

During the three day Kick-Off Meeting partners from nine different European countries came together to discuss and spread the LIGHTest Vision.

Day One started with a welcoming speech by the departmental head of the Fraunhofer IAO Prof. Dr. Anette Weisbecker, followed by Dr. Bud P. Bruegger who spoke about the Fraunhofer IAO Institution and introduced the LIGHTest project, its vision, its aims and further steps to all participants of the LIGHTest consortium. The day closed with a management presentation.

Day 2 started with an overview of all Work Packages (WP). The responsibilities, dependencies and due dates were explained. The day continued with the discussion of WP2 "requirements, concepts and evaluation" by the University of Denmark. The "Infrastructure for the Publication and Querying of Trust Schemes" was explained in WP3 by Fraunhofer. ATOS followed with WP4 "Infrastructure for Translations across Trust Domains".

The Technical University of Graz has the WP lead of two WPs: WP5 "Infrastructure for the Publication and Querying of Delegations" and WP6 "Trust Policy and Automatic Trust Decisions". The discussion of WP7 "Trust Propagation of Derived Mobile IDs" was lead by G&D. The "Pilot Demonstration" was discussed after WP7. The General Assembly followed where the press release and the internal due dates of the deliverables was agreed upon.

The opening of the last day of the LIGHTest Kick-Off Meeting was again made by Fraunhofer. The Turkish partner from TUBITAK began with the first presentation of their WP8 "Integration and Testing" of the pilot. WP11 continued with "Dissemination and Communication". ATOS is the lead of WP4, and also the lead of WP10. The WP1 "Ethics Requirements" finished the main part of the Kick-Off Meeting and the presentations of all WPs. The last two points on the agenda were "Review of Dependencies" and the final "Wrap Up & How to get started". It was a good Kick-Off and a good start into the project.

WP2 Summary

Title: Concepts and Evaluation

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

The following tasks have started:

T2.1 Inventories: Collecting the existing relevant concepts, solutions, formats, description languages for trust management; currently the partners are sending in their contributions

T2.2 Requirements Analysis: describing the goals that the final system has to fulfill; there have been some initial discussions at the kickoff meeting.

T2.3 Formal Description: the formal basis of the project; first discussions, outline of the supported types of credentials and a way to talk about the semantics.

T2.4 Architecture: the structure of the system and its integration; The first telephone conference took place for the task.

Other tasks should be starting soon.
Kickoff telco for WP2 has been held.
For T2.1 Inventories, the deliverable D2.1 is due end of November.
Other upcoming deliverables:
Architecture in Feburary, and

Requirements Analysis in April.
Deliverable D2.1: partners sending in their contributions until end of the month, consolidating in first week of November; on time.

T2.4 We will ask the consortium for feedback on our initial ideas.

Other tasks: further telcos to be arranged; for 2.3 this is planned together with the conceptual tasks of WP3-5.

In a nutshell, the tasks 2.3 and 2.4 are currently focussing on the following types of trust schemes:
- Boolean   - Ordinal
- Generic   - Historical

WP3 Summary

Title: Infrastructure for the Publication and Querying of Trust Schemes

Lead Partner: **FHG, Germany**
Contact: **Bud Bruegger**

Active tasks:

T3.1: Design of a Conceptual Framework for Trust Schemes.

T3.5: Ensuring Cross-Border Legal Compliance and Validity of Trust Scheme Publication

T3.1 The current discussion explores how the inventories of trust schemes (T2.1) fit with the currently foreseen approach of T3.1 and what

T2.3 (Formal Descriptions and Analysis of Concepts) can provide as input. A telco of the leaders of T2.3, T3.1, and T4.1 is foreseen to coordinate activities. These preliminary discussions prepare the formal task kick-off that is planned shortly.

T3.5 The two partners involved in this task are in close contact and are preparing the formal kick-off of this task.

• D3.1 is due in month 8.
• D3.6 is due in month 12
• Coordination telco T2.3, T3.1, T4.1
• Kick-off telco T3.1
• Kick-off telco T3.5

Everything is on schedule
Initial ideas of the types of trust schemes are currently validated against the inventories and conceptual work by DTU.

WP4 Summary

Title: Infrastructure for Translations across Trust Domains

Lead Partner: **ATOS (Spain)**
Contact: **Crespo Garcia**

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

The task is in its initial phase of structuring the wiki and deliverables, as the designs for suitable translation algorithms and formats for expressing "trust translation lists" depend on the inventories of T2.1 that are currently being compiled (to be delivered in month 3).

All tasks from WP10 have been or are being kickstarted and are currently running on schedule.

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 kickstarting and structuring the Atos-led tasks is concerned, focus is now on monitoring and contributing to the progress of the antecedent task T2.1.

The Kickoff meeting press release has been translated in Spanish for dissemination through ATOS channels and will be shared with Consortium partners too.

ATOS member Alberto Crespo attended the World eID conference in Marseille, where he supported the presentation of LIGHTest by Bud Bruegger (FHG) to various stakeholders from the security industry and policymakers, including ENISA, and contacted prospective Advisory Board members.

WP5 Summary

Title: **Infrastructure for the Publication and Querying of Delegations**

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

Based on the partial inventory of existing delegation schemes and the set of requirements, we currently think about conceptual representation of delegations and their properties and suitable data formats for storage and inter-change of delegations.

WP6 Summary

Title: **Trust Policy and Automatic Trust Decisions**

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

Based on the partial results of existing trust schemes (Task 2.1) and generic requirements (Task 2.2), we think about abstract and generalized concepts of electronic transactions and policies that describe the requirements for their trustworthiness.

WP7 Summary

Title: **Trust Propagation of Derived mobile IDs**

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

Slightly ahead of schedule, WP7 has already started with some preparations concerning the development of secure software-based environments on mobile devices and the creation of a crypto container for derived mobile ID applications.

As WP7 is originally scheduled to start in December the time line is currently ahead of schedule. With the preparations for a later implementation being started, the WP is expected to stay on time.

WP8

Title: **Integration and Testing**

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

Starting month 4.

WP9

Title: **Pilot Demonstrations**

Lead Partner: **IBM - Denmark**
Contact: **Niels Pagh-Rasmussen**

Starting month 7.

WP10

Title: **Transfer to Market**

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

Starting month 19.

WP11 Summary

Title: **Dissemination and Communication**

Lead Partner: **EEMA – Brussels**
Contact: **Jon Shamah**

We are working consistently on creating an advisory board and planning the development of the Lightest Community (Task 11.1, Task 11.3).

Standardised presentations and banners have been created. Newsletters are being published quarterly (Task 11.4). A first edition project leaflet has been created. Begun the communication strategy document which covers recommendations for marketing activities, a list of international forums all partners are speaking at and suggestions for successful utilisation of social media. We have also started to plan out the creation of an International Committee designed to feed back into the EEAB.

D11.1 Advisory Board Composition
D11.2 Advisory Board Procedures
D11.4 Dissemination Planning and Reporting

All deliverables - D11.1, D11.2 and D11.4 are on schedule.

LIGHTest has been presented at Trust in Digital World (Den Haag)
World eID (Marseille)
OID2016 (Rome)
ISSE 2016 (Paris)
OIX (London)
IIW (Mountain View)
A paper was also published by FHG TUG at OID2016
IDM UK
IETF
Identity & KYC

LIGHTEST PROJECT PARTNERS

More details of the partners on the Project Wiki.

- Fraunhofer Gesellschaft Zur Forderung Der Angewandten Forschung EV (Germany)

- Atos Spain SA (Spain)

- Time Lex CYBA (Belgium)

- Technische Universitaet Graz (Austria)

- European Electronic Messaging Association AISB (Belgium)

- Giesecke & Devrient Gesellschaft Mit Beschrankter Haftung (Germany)

- Danmarks Tekniske Universitet (Denmark)

- Turkiye Bilimsel Ve Teknolojik Arastirma Kurumu (Turkey)

- Universitaet Stuttgart (Germany)

- Open Identity Exchange Europe (UK)

- Stichting Nlnet Labs (Netherlands)

- Sociedad Estatal Correos Y Telegrafos SA (Spain)

- IBM Danmark APS (Denmark)

- Gmo Globalsign OY (Finland)
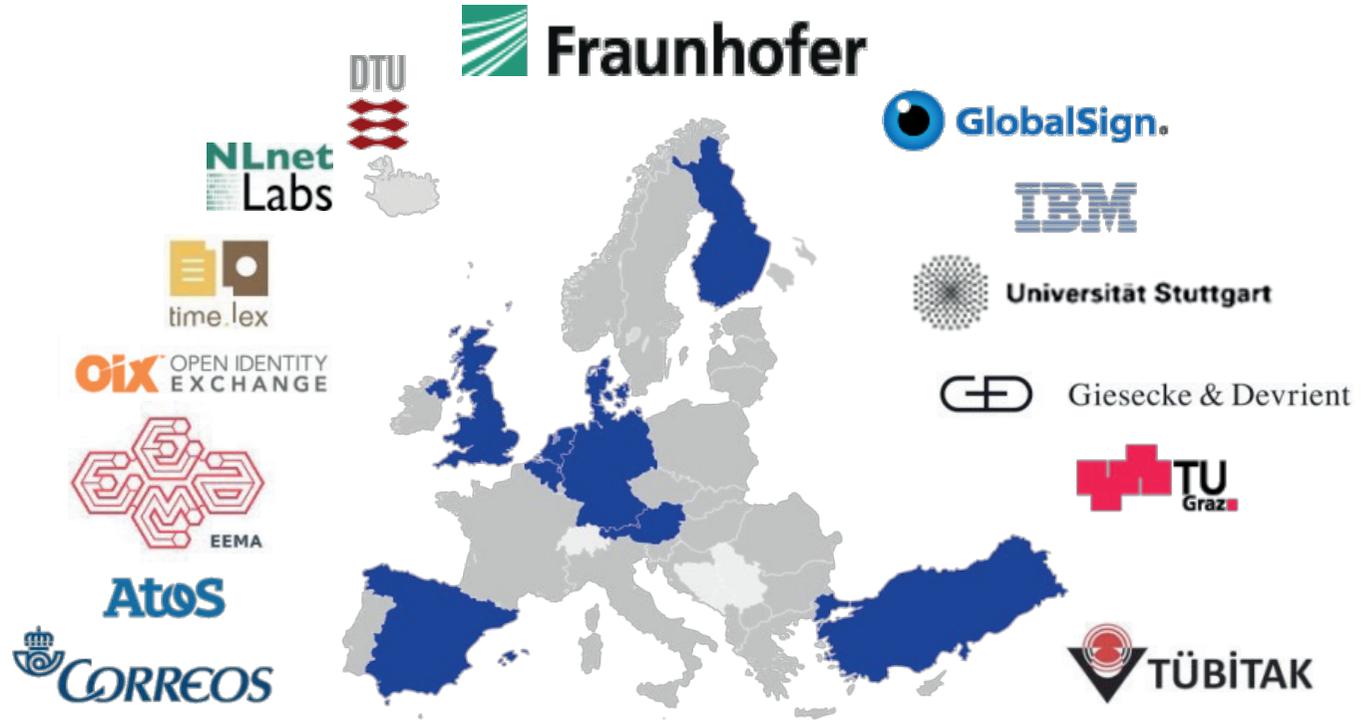
PLANNED ACTIVITIES AND EVENTS

29 NOV 2016
Trust Tec - Cannes

7 DEC 2016
International Identity Management Law and Policy - The World Bank, Washington DC USA – OIX

26/27 APRIL 2017
Consult Hyperion Conference - UK

PROGRAM INFORMATION

Start of Project: September 2016

Duration: 3 years

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NEXT ISSUE

If you have a story regarding the project that you consider to be newsworthy to the wider media, or are approached by a journalist requesting information concerning LIGHTest please notify Lorraine Spector [EEMA] WP11 by emailing: lorraine.spector@eema.org.