



## D11.13: Report on Dissemination, Exploitation, and List of Technical Outcomes (10)

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<b>Lead Authors</b>	Lorraine Spector	<b>Dissemination Level</b>	PU
<b>Lead Participants</b>	EEMA	<b>Contributors</b>	FHG
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1. Executive Summary

This document is a 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	22.02.2019	EEMA	Final deliverable

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## 4. 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 newsletters.

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## 5. LIGHTest Bulletin (10)



**Newsletter**  
Edition 10  
February 2019

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

### New Partner Profile: University of Piraeus Research Center




**Author:**  
**Andriana Prentza,**  
PhD Associate  
Professor  
Department of  
Digital Systems,  
University of  
Piraeus

Based in Greece, the University of Piraeus Research Center (UPRC) was founded in 1989 and provides administration and technological support to basic and applied research, carried out by the teaching staff of the University of Piraeus, at national and international level. Within the University of Piraeus is the Department of Digital Systems (DDS) which provides students with knowledge and practical experience in various fields of information and communication technologies.

The department conducts research and development in the areas of software engineering, information systems, eHealth and eGovernment services, big data analysis, eLearning, security of information systems and networks, web engineering/Internet technologies, digital communication systems and intelligent networks.

Staff in the department are very actively involved in many national and EU-funded projects for many years and are published extensively in international journals and magazines including IEEE, ACM, Elsevier, Springer and IEE.

The UPRC team participating in the LIGHTest project has been engaged in several Large Scale Pilot (LSP) projects:

- PEPPOL – Pan-European Public Procurement OnLine (2008 – 2012)
- e-SENS – Electronic Simple European Networked Services (2013 – 2017)
- TOOP – The Once-Only Principle Project (2017 – 2020)

The team has strong expertise in coordinating piloting in LSPs, in business related process for both pre-and post-award in public procurement, in eDelivery infrastructure and eDocuments and Semantics, and

in software development including integration and testing. UPRC has been involved in the CEN BII workshop and is also participating in the national eInvoicing Committee. UPRC is also a member of OpenPEPPOL AISBL, a non-profit association based in Brussels, which continues, since 2012, the work of the PEPPOL LSP in the eProcurement domain.

In LIGHTest, UPRC is contributing to the integration of LIGHTest in the PEPPOL infrastructure and the activation of the LIGHTest service in different pilot scenarios.



**Jerry Dimitriou from the University of Piraeus and Burçin Bozkurt Gunay of TÜBİTAK collaborating at the LIGHTest general meeting in Copenhagen.**

### LIGHTest WP8 Testing and Piloting Workshop

The LIGHTest WP8 Testing and Piloting Workshop was organized at TÜBİTAK BILGEM premises on 11th – 12th December 2018 with the contribution of project partners involved in development of LIGHTest components.

This workshop brought partners together to work on the issues encountered during testing activities. It proved a great opportunity for the developers and the testing team to align themselves as the end of the project approaches. Furthermore, with the inclusion of piloting partners, issues related to the pilots were also discussed during the two-day event.

The first day of the workshop was dedicated to the testing of the LIGHTest components. The current status of testing activities, as well as code review activities were presented by TÜBİTAK. The discussions on TSPA, TTA, DP and DNSSEC and test data took place in the second part and was followed by discussions on DP GUI, as well as a question and answer section.

 @LIGHTest\_trust
  LinkedIn
 [www.lightest.eu](http://www.lightest.eu)

Produced by EEMA - WP11 Lead, LIGHTest

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Finally, the status of text executions was presented.

The next day there was a session led by CORREOS introducing and discussing two LIGHTest pilots. The T9.1 Trustworthy Communication Services pilot was on the table for the first half of the event. In the second session, the T9.2 e-Procurement Pilot was presented by UPRC and related issues were discussed by the partners.

It was a fruitful two-day meeting with the involvement and contribution of the participants. At the end of the workshop, an action item list for each partner was prepared to monitor progresses.

Author: **Burçin Bozkurt Gunay, TÜBİTAK**



The LIGHTest Testing and Piloting Workshop

### Creating Trust in Global Supply Chains Through Transparent Self-Declared Policies

The world of commerce relies upon efficient and effective supply chains. When these break down the speed at which the wheels of industry begin to slow can be dramatic. Strengthening these fundamental but often fragile ecosystems is a constant challenge given the changing geopolitical landscape, regulatory changes and the ever-present and evolving threat of attack. In recent years we have seen many incidents where high-value supply chains have been crippled by a single weak link that has been exploited.

With parties within the supply chains often geographically distant and the chains themselves becoming increasingly extended, the task of managing them cannot be underestimated. Some are tightly controlled in-house through the use of systems such as SAP, whilst others are less rigorous relying on email.

Whatever the preferred management model, it is a prerequisite that counterparties have matching policies and procedures that can be trusted in order to interact and transact. For example, knowing who the

authorised delegations are? What are the authentication policies? Who has authority to place, accept and pay for orders up to a certain value? These represent some of the biggest attack vectors for organised and opportunist cybercrime but are also a major cause of fraud. All of which has a significant impact on the performance, productivity and profitability of the entire supply chain.

LIGHTest provides a way for each party within the chain to make swift and informed decisions as to whether to place trust in another. It solves this perennial supply chain problem by creating transparency through the publication of self-declared policies. Crucially, this is not about verifying the authenticity of the policy itself, but providing a publicly stated self-declaration upon which a contract can be based. This in turn gives an important layer of protection that has not previously existed. It is very much akin to self-declaration on insurance policy applications.

Put simply, declared policies (created and published via the LIGHTest Trust Scheme Publisher) of the parties in question can be automatically verified (using the LIGHTest Automatic Trust Verifier). If compatible the 'green light' to proceed is given, if not policy differences are flagged so that a further course of action can be taken. The LIGHTest trust infrastructure makes it simple for organisations to adopt this

process, through the development of a comprehensive toolkit of open-source components, which can be incorporated into existing systems, or built to run as a standalone model, making it suitable for enterprises of all sizes that form part of the modern global supplychain.

How LIGHTest instils trust in the supply chain will be presented at eWorld Procurement & Supply, on 5th March 2019 in London.

For more information visit: <https://www.e-world-procurement.com/>



Author: **Jon Shamah, Chair of EEMA**

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### Consumer Identity World Summit – LIGHTest Workshop

In November 2018, the LIGHTest team headed over to Singapore to present at a pre-conference workshop at Consumer Identity World. Consumer Identity World is a set of global conferences that aim to educate their delegates about finding the best consumer identity and access management strategy for their customers.

The LIGHTest project team took half a day to introduce LIGHTest to delegates from all around APAC. The aim being to introduce the concept of LIGHTest, describe the work done so far, and gather feedback from the delegates.

The session kicked off with an introduction from Don Thibeau, Chairman of OIX, as he set the scene in the identity marketplace and introduced the concept of LIGHTest. Rachelle Sellung from University of Stuttgart covered the business elements of LIGHTest; how the project has been working on a tri-channel approach of legal, business and technical to ensure that all needs are aligned, especially as the project enters its third year. Rachelle talked through many of the use cases of LIGHTest and how it could be utilised globally after the project finishes. Rachelle also spoke about

the pilots that are taking place in the third year; introducing Correos and the invoicing work that is taking place to integrate with LIGHTest.

The workshop was concluded with Olamide Omolola from Tu Graz who talked through how the technical infrastructure is being developed including detailed descriptions of how the trust delegation and trust propagation will work, especially cross border.

Speaker: **Rachelle Sellung**, Fraunhofer/University of Stuttgart



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## Events & Activities

**eWorld Procurement conference**  
5th March 2019  
London UK  
<https://www.e-world-procurement.com>

**OID Conference**  
28th - 29th March 2019  
Garmisch-Partenkirchen, Germany  
[https://websites.fraunhofer.de/Open\\_Identity\\_Summit\\_2019/](https://websites.fraunhofer.de/Open_Identity_Summit_2019/)

**KNOW Conference**  
24th - 27th March 2019  
Las Vegas, U.S  
<https://vegas.knowconf.com>

**go.eIDAS summit**  
27th March 2019  
Garmisch-Partenkirchen, Germany  
<https://go.eid.as/summit>

**OPEN Banking World Congress**  
7th and 8th May 2019  
London, UK  
<https://finance-edge.com/events/openbankingworldcongress/agenda>

**European Identity and Cloud Conference**  
14th - 17th May 2019  
Munich, Germany  
<https://www.kuppingercoole.com/events/eic2019>

**EEMA Annual Conference**  
18th and 19th June 2019  
London, UK  
<https://annualconference.eema.org>

**ISSE 2019**  
6th and 7th November 2019  
Brussels, Belgium  
<https://www.isse.eu.com>

## The LIGHTest Project Partners



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## 6. Project Description

### **LIGHT<sup>est</sup> 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<sup>est</sup> 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<sup>est</sup> 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<sup>est</sup> 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<sup>est</sup> project started 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<sup>est</sup> consortium consists of 14 partners from 9 European countries and is coordinated by Fraunhofer-Gesellschaft. To reach out beyond Europe, LIGHT<sup>est</sup> 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 (AU), EEMA (BE), G+D (DE), Danmarks tekniske Universitet (DK), TUBITAK (TR), Universität Stuttgart (DE), Open Identity Exchange (GB), NLNet Labs (NL), CORREOS (ES), Ubisecure (FI), and University of Piraeus Research Center (GR). 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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