

# LIGHTest



Towards Global Trust Transparency

Jon Shamah, Chair EEMA,  
LIGHTest Dissemination Lead



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LIGHT<sup>est</sup> has received funding from the European Union's Horizon 2020 research and innovation programme under G.A. No 700321



Current  
islands of  
identity  
restrict trust  
and  
commerce







Public and private sector schemes need to grow and interlink

# F U D

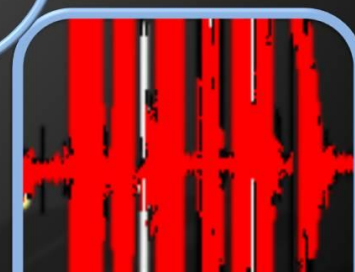
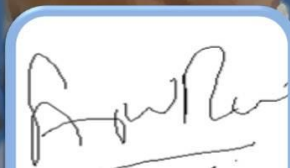
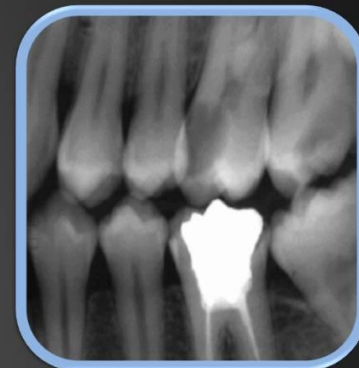
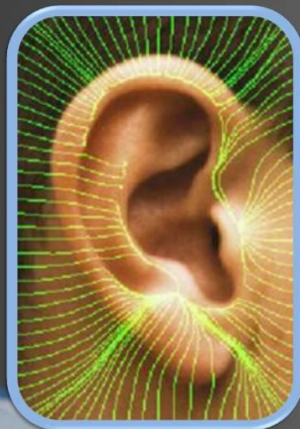
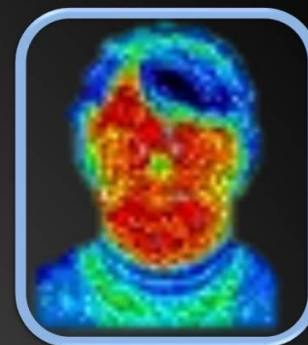
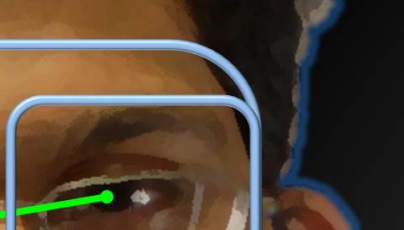
- Fear of technology failure
- Uncertainty over security
- Doubt over governance

So what  
problems  
do we need  
address?





Example:  
The number  
of biometric  
technologies  
and how they  
are applied  
is overwhelming





Nicole

and facial  
recognition  
will soon  
have a global  
installed base

Age 28

Smile 28%

So  
counterparties  
may have their  
own views on  
which  
Biometrics they  
wish to trust



Such as:

- Technologies
- Exception Management
- Sensitivity
- Algorithms





# Rules

How do we assess their applicability to one's own trust requirements?

Solution:  
LIGHTest  
versatility  
helps the  
biometrics  
capability to  
be understood  
by any relying  
party





## LIGHTest's Value Proposition

- Countries and companies have a vested interest in cross-border trust services
- However without transparency of policies and rules between counterparties trust cannot be achieved
- LIGHTest builds trust transparency by using a standard way of publishing trust lists, schemes and formats, relevant delegation schemes and trust translation schemes – all over a global trust infrastructure
- LIGHTest uses DNS as the most trusted global infrastructure that is widely available, but utilises both technical and legal code to facilitate and accelerate this emerging market.

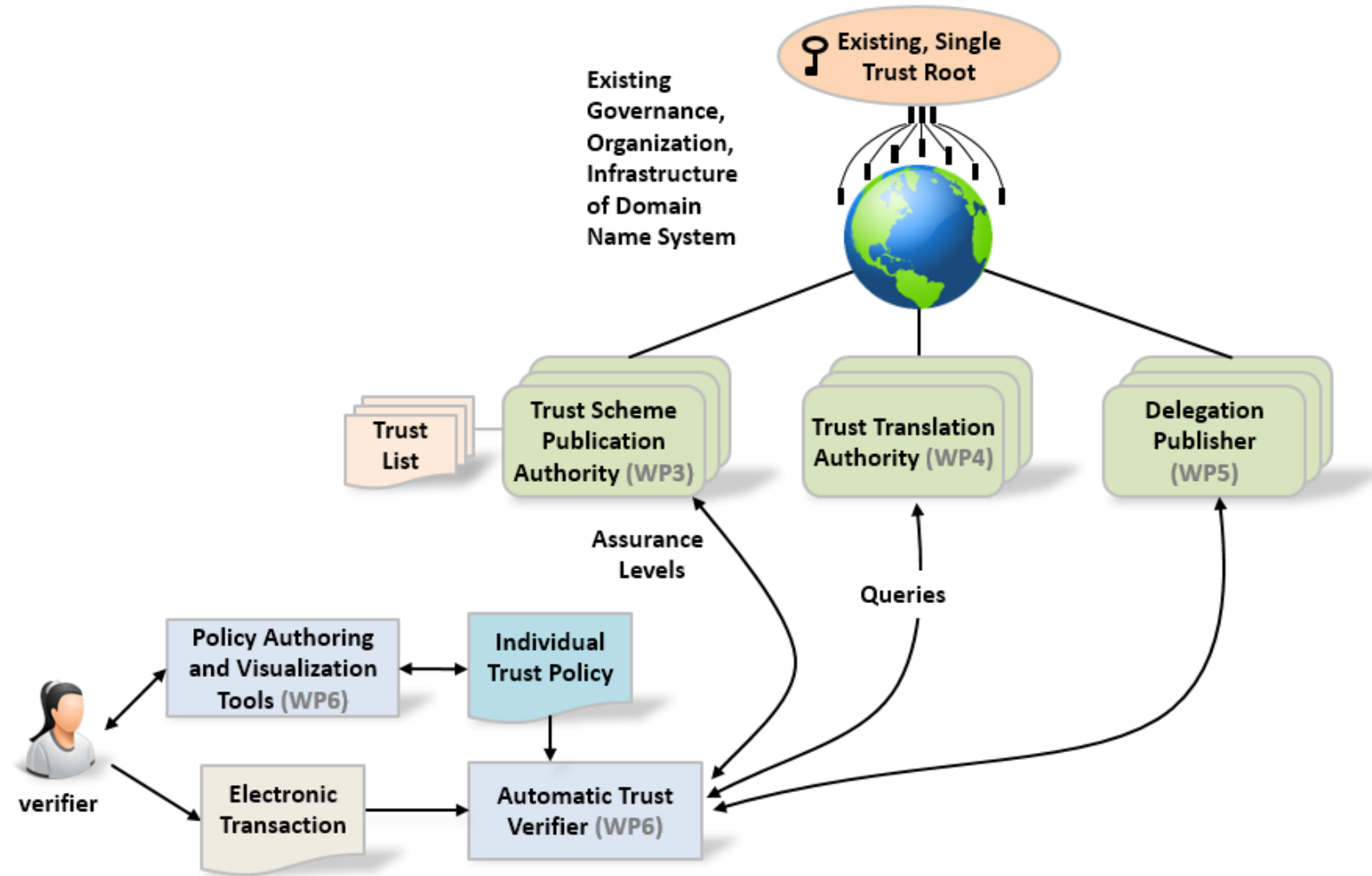
What  
LIGHTest is  
and what  
LIGHTest is  
NOT

- LIGHTest is not an alternative to eIDs or business registers
- LIGHTest does not allow you to outsource trust decisions
- LIGHTest does allow you to use a global, known and trusted infrastructure to:
  - Retrieve ID information
  - Verify ID information
  - Determine trust assurances behind it
  - Facilitate your own decision making
- While also providing a growth path for future European ID policy!



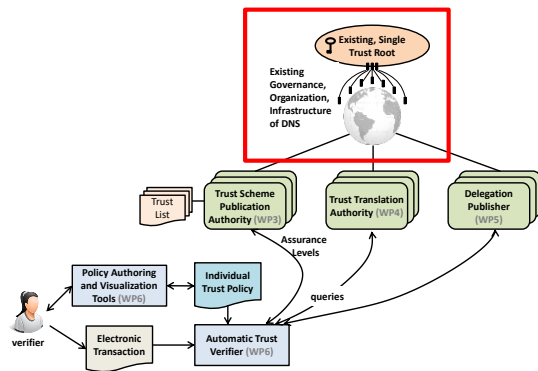
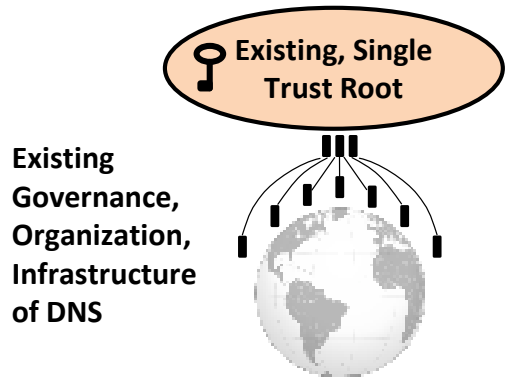


# LIGHTest Architecture



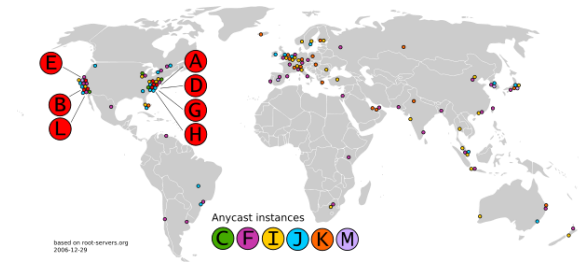
# LIGHTest Architecture:

## DNS: The Internet Phone Book



- Root Servers

2016: 558 DNS root server instances



- Top-Level-Domain Name Servers

genericTDLs: com, org, edu, info... de, it, at, us, ca, ...

- Most Organizations have existing Name Servers


ec.eu, gov.it, daimler.com, fraunhofer.de

- Organization can define lower-level names

- Existing or dedicated name servers

- trust.ec.eu, eIDAS.trust.ec.eu, signature.eIDAS.trust.ec.eu





So how do we  
engage with  
stakeholders?

## Addressing the emerging market of cross-border trust services

LIGHTest uses a globally known and trusted infrastructure to retrieve and verify identity information and determine the underlying trust assurances and policies. With this better understanding, risk analysis and decision making can be facilitated, and business policy compliance can be determined. The true operational costs and risks of any transaction are thus exposed.

LIGHTest is providing essential tools for transacting in an emerging global market.

## Breaking new ground in cross-border trust agreements

LIGHTest allows you to use a globally known and trusted infrastructure – the DNS, one of the corner-stones of the internet – to retrieve and verify identity information and determine the trust assurances behind it. LIGHTest can facilitate decision making in numerous contexts: Is the person who the claim to be? Can they represent the company? Is a transaction legitimate? Can I trust a document according to my own rules?

There are a number of legislative requirements which need to be taken into account including eIDAS, GDPR and BRIS, as well as a myriad of national laws depending on use cases. The DNS focusses on enabling technically trustworthy communications and LIGHTest utilises DNS to provide policy visibility and transaction visibility to ensure legal and commercial compliance.

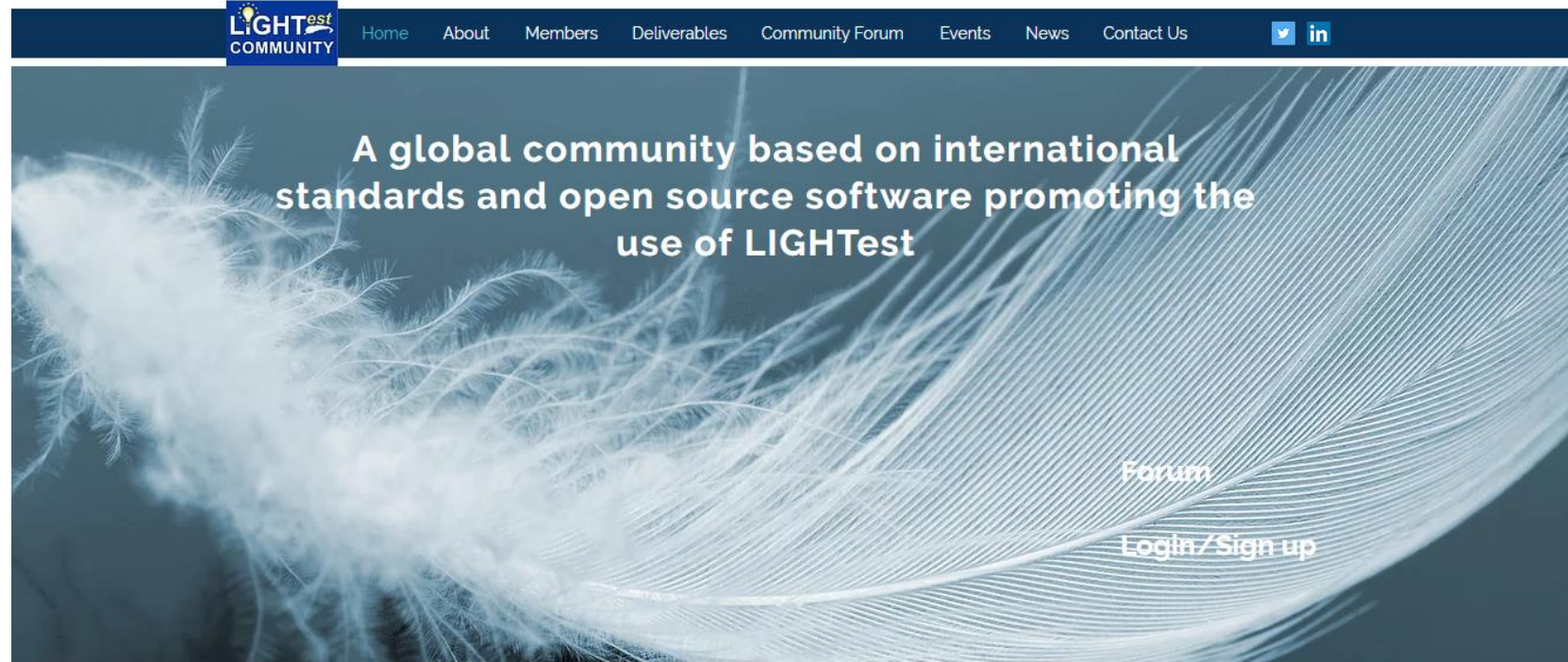


## The next generation of open standards and technical tools for trust management

LIGHTest allows you to use a globally known and trusted infrastructure as a mechanism to retrieve and verify trust information and determine policy compliance, in order to facilitate decision making.

LIGHTest creates a global methodology for trust scheme discovery and verification utilising DNS as the publication database. LIGHTest enables interoperability between existing frameworks both cross-border and cross-application, solving real problems that exist today.

www.LIGHTest-  
Community.org

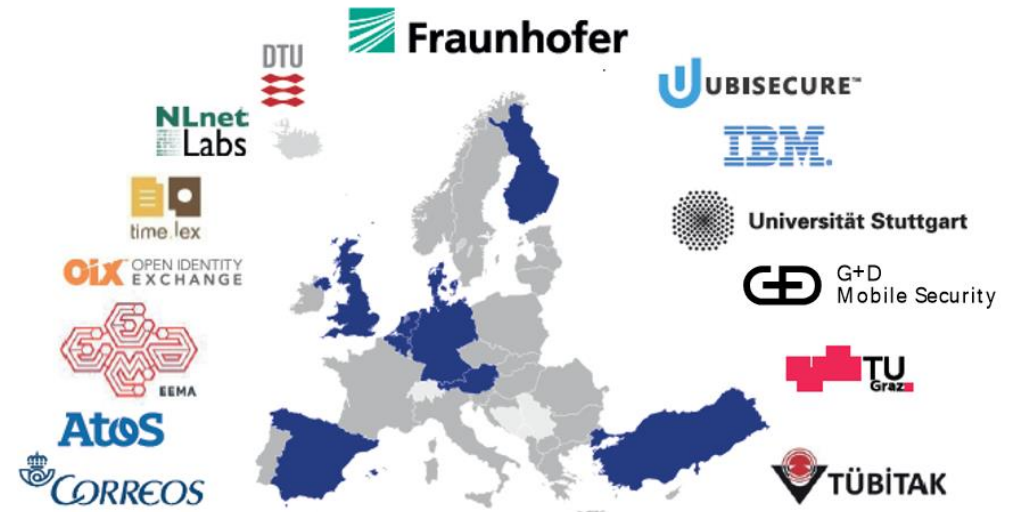


Welcome to the LIGHTest Community Website; a global community based on international standards and open source software promoting the use of LIGHTest. Lightweight Infrastructure for Global Heterogeneous Trust management in support of an open Ecosystem of Stakeholders and Trust schemes.

This community website encourages associate partners to communicate on our [forum](#) as well as disseminate the latest LIGHTest news.

# The European LIGHTest Project

- Horizon 2020
- Innovation Action
- Call: H2020-DS-2015-1 *Trust eServices*
- Started September 1, 2016
- 36 months
- Estimated cost of 8.7 Mio Euros
- 14 partners from 9 countries
- Coordinated by Fraunhofer





Thank You !

Please join us !!

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