ETSI & Globalisation of Trust Services

Presented by: **Nick Pope**
ETSI ESI Vice Chair

For: **New York - Workshop on Globalisation of Trust Services**
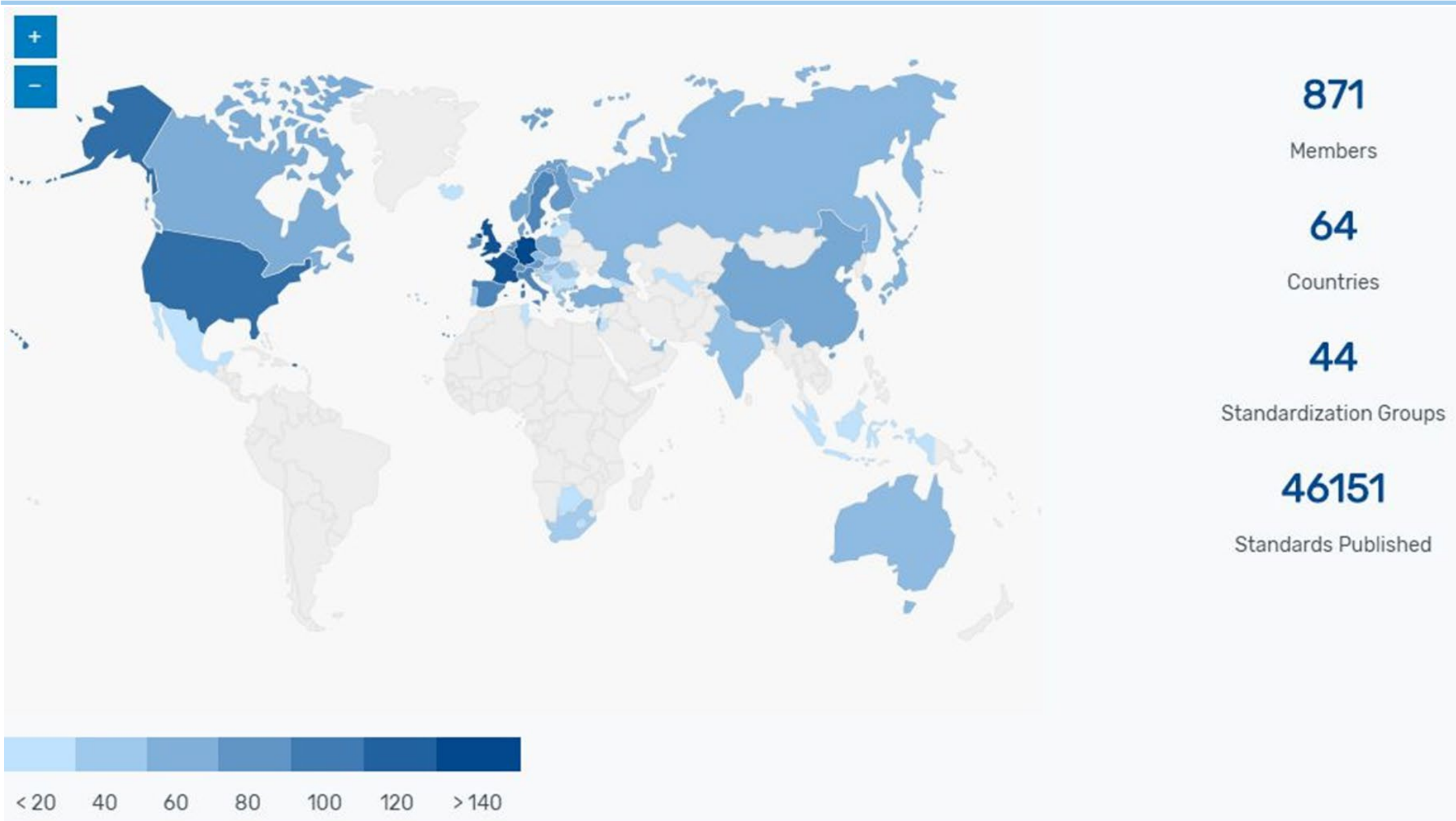
03.09.2019

Agenda

- ∀ ETSI

- ∀ eIDAS & Trust Services

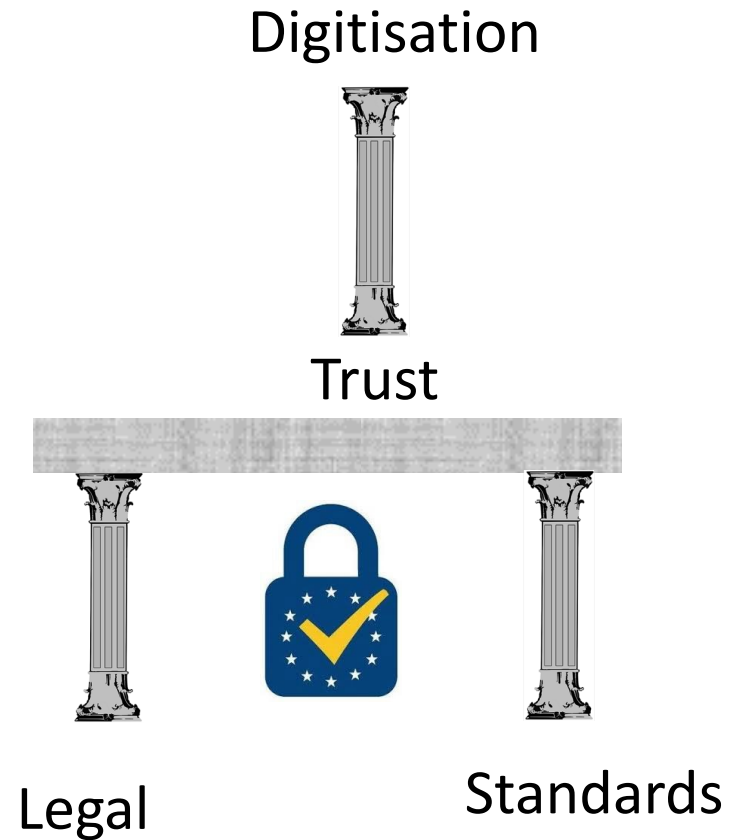- ∀ Introduce ETSI Study on Globalisation of Trust Services
  - ∀ Aims
  - ∀ Information being collected

ETSI Members on Global Scale

871 Members

64 Countries

44 Standardization Groups

46151 Standards Published

< 20 40 60 80 100 120 > 140

eIDAS Trust Service aims:
Trust supported by Legislation and Standards

# eIDAS Trust Service aims: From Physical to Digital

Trust Services

➤ <u>Electronic signature: personal identity linked to data via certificate</u>

➤ Electronic seal: organisation identity linked to data via certificate

➤ Website authentication: identity linked to website via certificate

➤ Registered e-delivery / e-mail: trusted service provider proof delivery etc.

➤ Time-stamping: Trusted time linked to data via time-stamp

Not recognised as trusted service in EU but applied by similar services across the world

➤ Electronic Identity: personal / organisation identity linked to service access via certificate

ETSI Standards EU vs Global Requirements

EU Qualified

Normalised
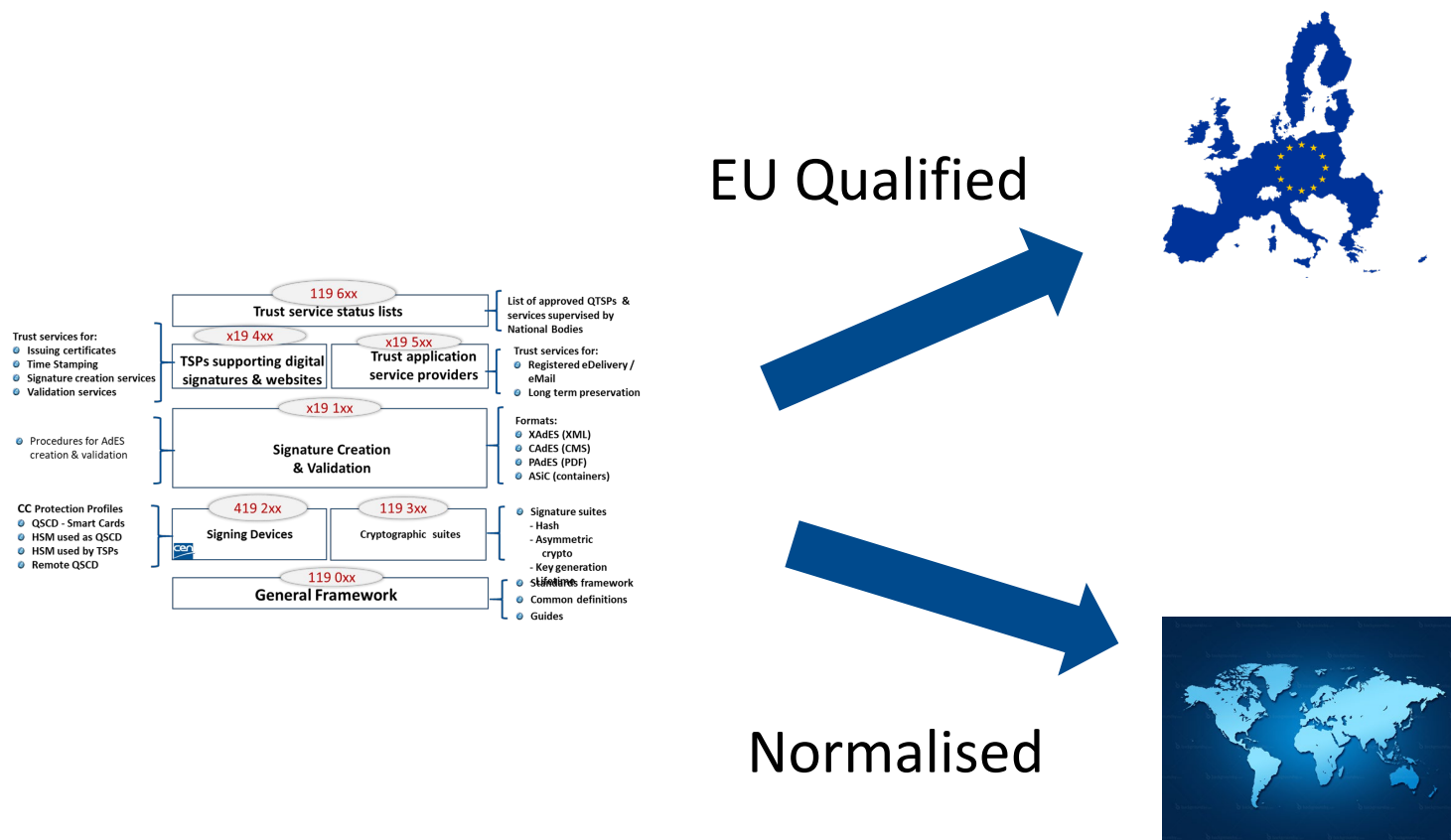
Examples of Adoption of ETSI Trust Service Standards Worldwide

➢ CA/Browser Forum

➢ Japan

➢ Several LTAM countries

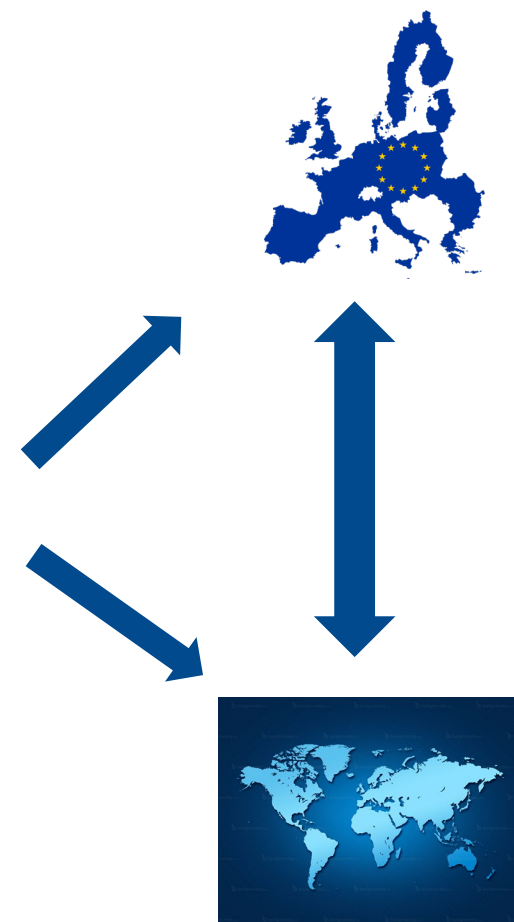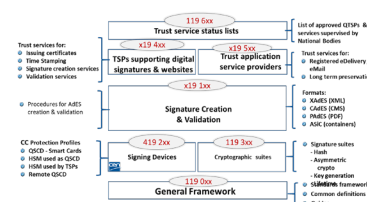➢ Some African and Middle Eastern countries

➢ Switzerland

➢ …..

ETSI Study on Globalisation of Trust Services

Aim

- To facilitate cross recognition between EU trust services, based on ETSI standards supporting the eIDAS Regulation (EU) No 910/2014, and trust services from other schemes

Information collected - Current list of schemes (to be) covered

Global platform or sector based schemes

➢ Adobe, Apple, Microsoft, Mozilla, SafeBiopharma

South America

➢ Argentina, Bolivia, Brazil, Chile, Columbia, Paraguay, Peru, Uruguay

North America

➢ Canada, Mexico, USA

Middle East

➢ Oman, UAE

Asia

➢ China, Hong Kong, India, Japan,

Other

➢ Russia, Switzerland

Information collected – Topics covered

Legal context

➤ Regulatory or agreement
➤ Community: national, regional, global, sector
➤ Trust services: e-signatures, seals, time-stamping …..
➤ Legal basis: Reference to law / agreement
➤ Specific requirements: Regulatory documents

Supervision & Audit

➤ Supervisory / approval body
➤ Audit process and auditor requirements

Best practices

➤ IETF PKIX, ETSI, ISO 21188, CAB Forum

Trust representation

➤ Trust list, root store, bridge certificate

ETSI Study Report – time plan

23rd August - Public Review Draft Available

3rd September – New York Workshop

16th September – closing date for comments
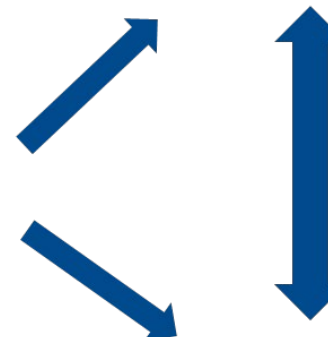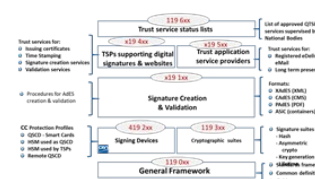
31st September – Final draft submitted to ETSI ESI

8th October – ETSI ESI plenary

End November – Published report submitted to European Commission

Study Workshop Presentations – Next on

Arno Fiedler:

European standards framework for trust services

Olivier Delos:

ETSI Study on Globalisation of Trust