

Trust in a Digital Society



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eIDAS: boosting trust & supporting businesses!

Strengthen EU Single Market by boosting **TRUST** and **CONVENIENCE** in **secure** and **seamless** cross-border electronic transactions

Provide a consistent set of rules throughout the EU



eIDAS – The Regulation in a nutshell

2 MAIN CHAPTERS SUBJECT TO DIFFERENT RULES AND REQUIREMENTS

Chapter II

Mutual recognition of e-identification means

Chapter III

Electronic trust services

Chapter IV



Electronic Documents

eID

17.09.2014

Entry into force of the eIDAS Regulation

29.09.2015

Voluntary cross-border recognition

29.09.2018

Mandatory cross-border recognition

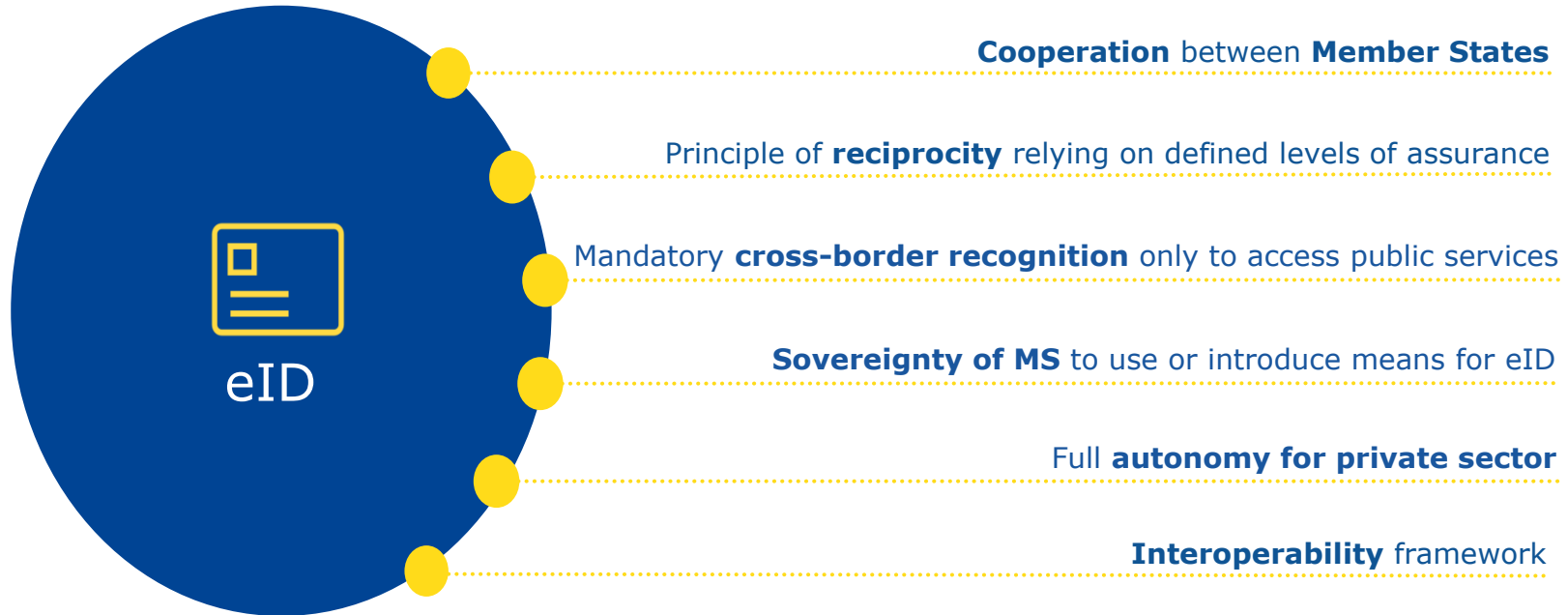
Trust Services

eSignature Directive rules

1.07.2016

Date of application of eIDAS rules for trust services

eIDAS: Key principles for eID



*The Regulation does not impose the use of eID

eID schemes notified



Andrus Ansip @Ansip_EU

From 29 September 2018 you have the right to use your national e-ID across borders in Europe #EIDAS for instance to access public services or to sign up easily and safely to private online services. #egovernment #egov #digitalrights #EUandMe

#DIGITALRIGHTS
In the Digital Single Market

Better online public services

- including **rights** to
 - use your **national ID** across borders
 - ask for birth certificates, start a business, and more online
 - submit information **only once**

#DigitalSingleMarket #EUandMe

Notified schemes

-  Germany – published 26/09/2017
-  Italy – published 11/07/2018
-  Spain
-  Luxembourg
-  Estonia
-  Croatia

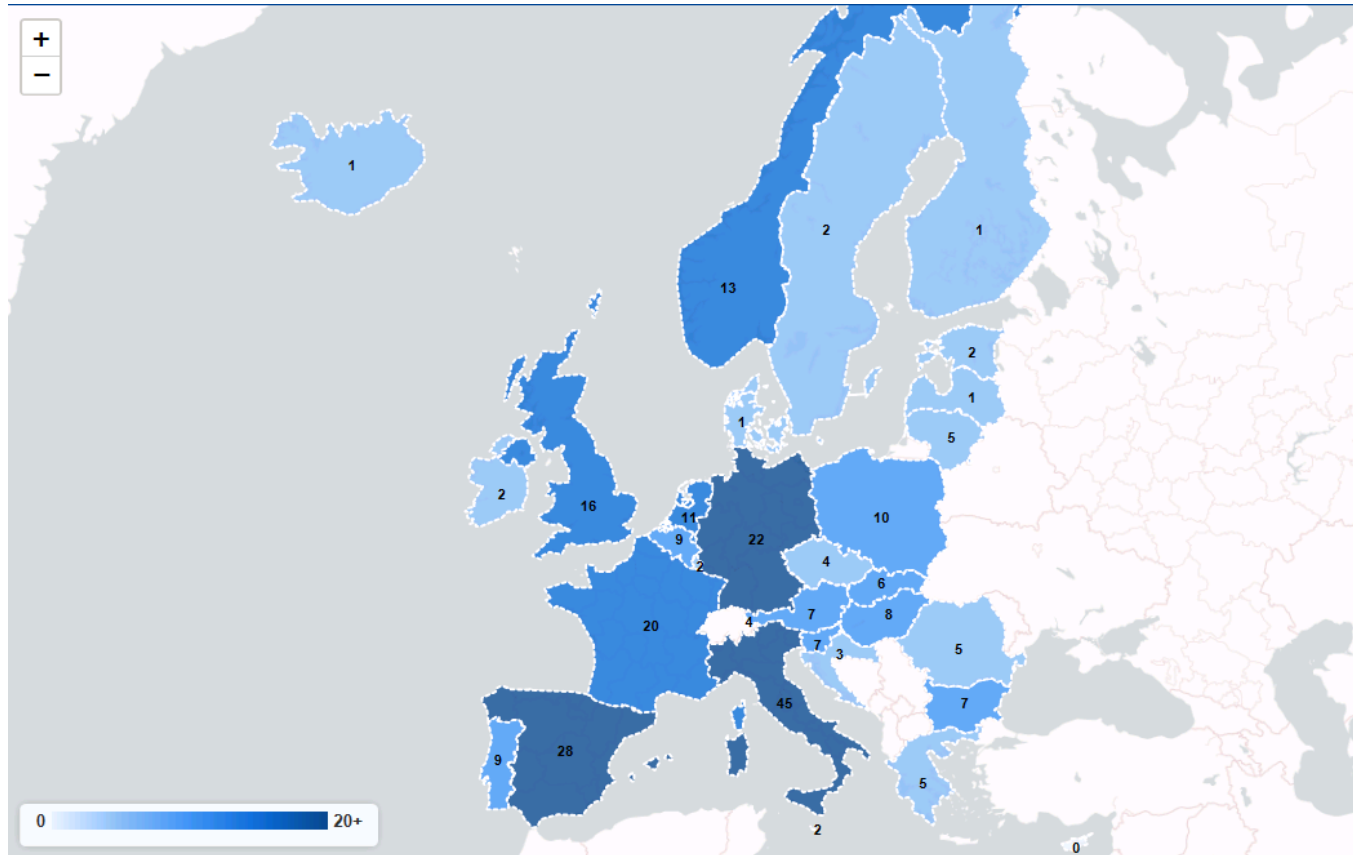
Belgium and Portugal are completing the peer-review

United Kingdom has just pre-notified



Trust services providers in Europe

All trust services providers - **258**



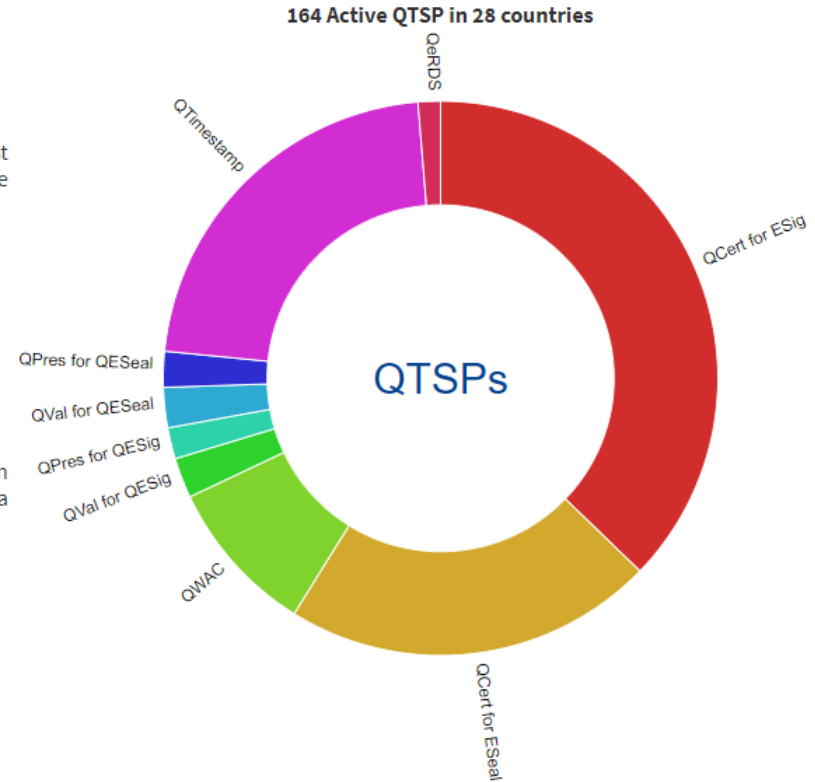
Number of active qualified trust service providers

Number of active qualified trust service providers (QTSPs) per type.

Breakdown per type of qualified trust services. There are 9 types of qualified trust services, as defined in the Regulation n°910/2014 (the “eIDAS” Regulation). These types are:

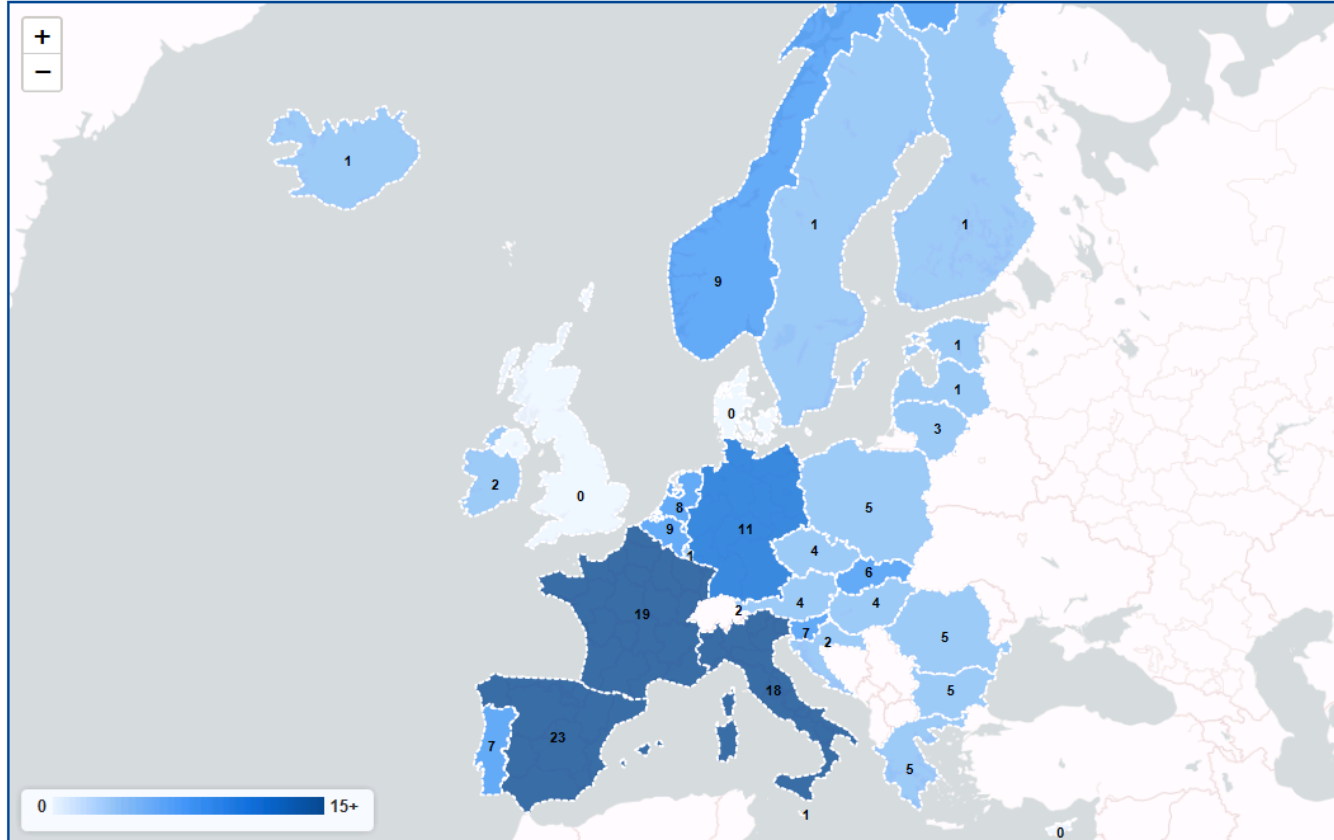
- Qualified certificate for electronic signatures
- Qualified certificate for electronic seals
- Qualified certificate for web site authentication
- Qualified validation of qualified electronic signatures
- Qualified validation of qualified electronic seals
- Qualified preservation of qualified electronic signatures
- Qualified preservation of qualified electronic seals
- Qualified electronic time stamps
- Qualified electronic registered delivery

Please refer to [ETSI TS 119 612 v2.1.1](#) for further details on the information contained in a trusted list, in particular Section 5.5.1 “Service type identifier” for a description of the different (qualified) types.



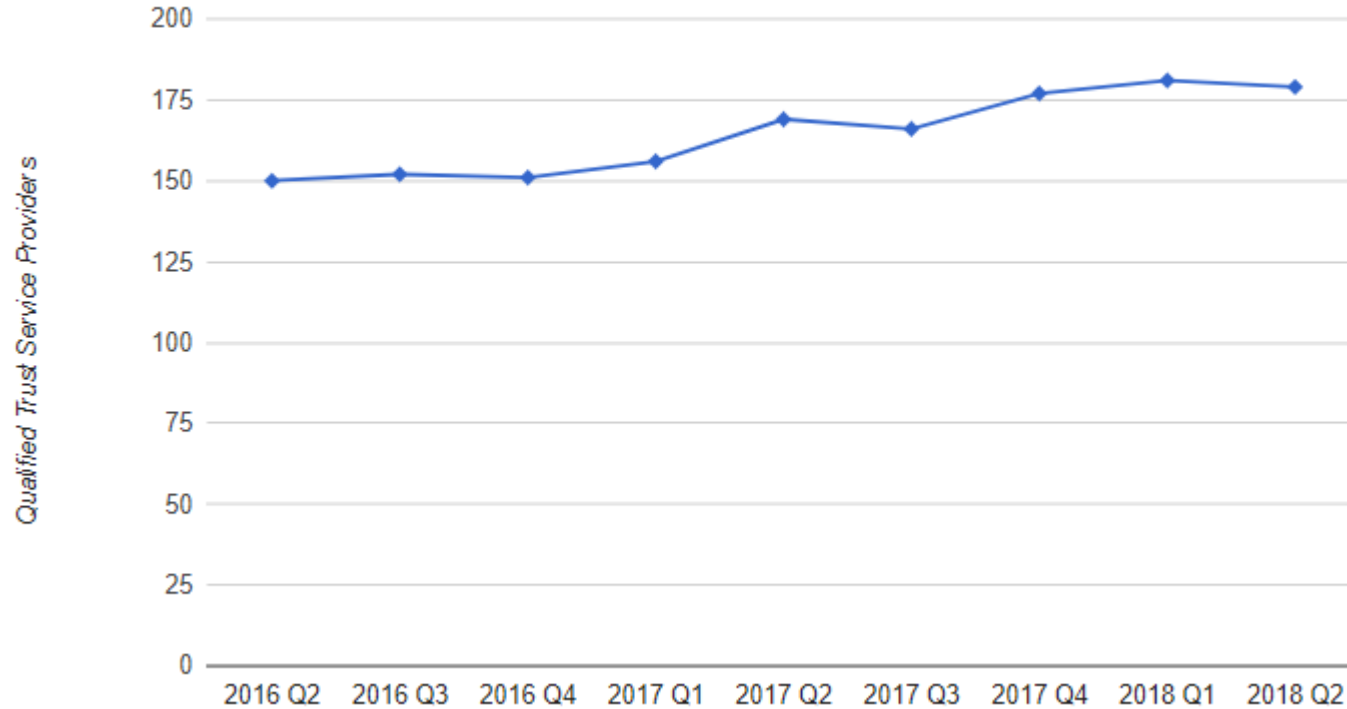
Trust services providers in Europe

Active **qualified** trust service providers only - **165**



Evolution of the total number of QTSP

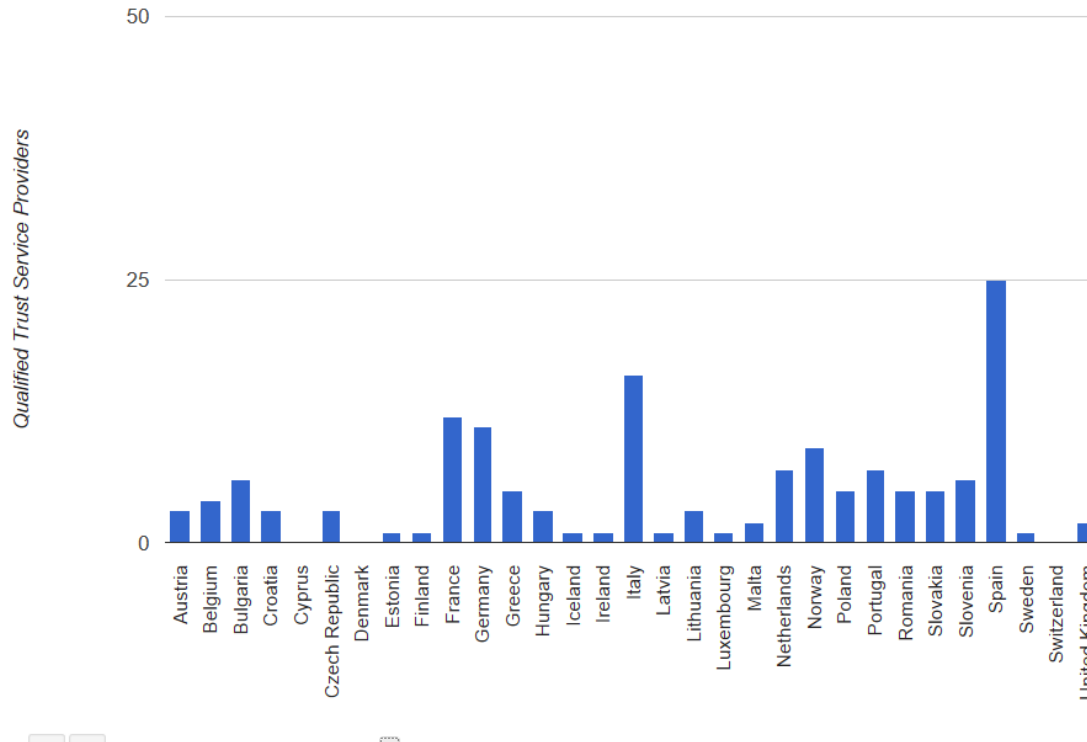
This chart shows the evolution of the total number of active Qualified Trust Service Providers.



2016

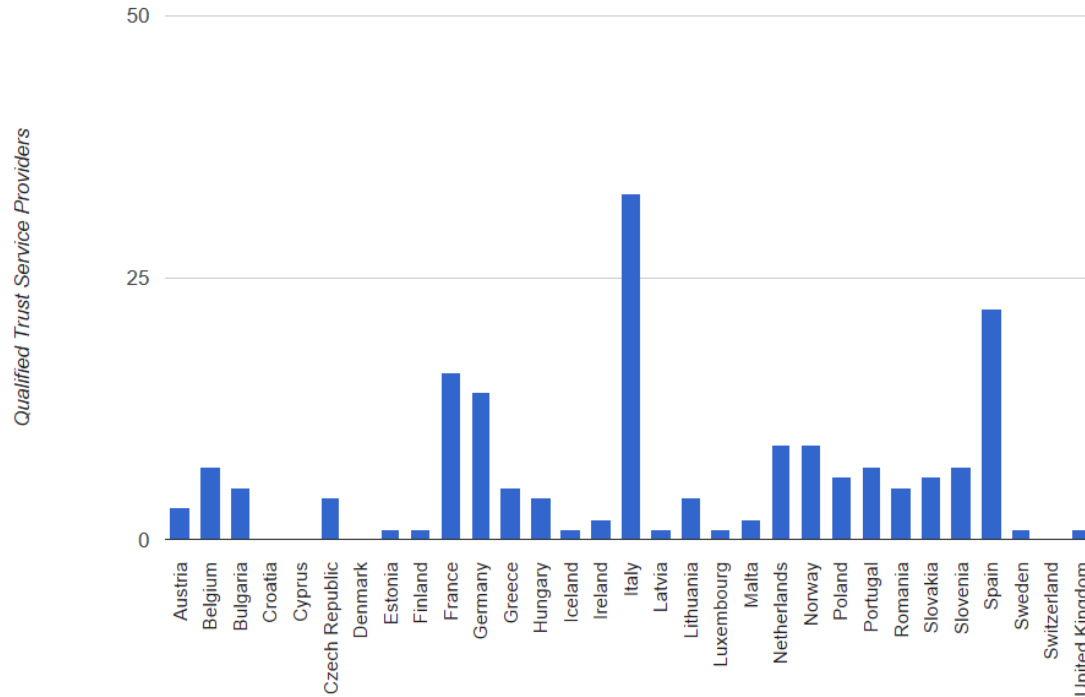
Evolution of the number of Qualified Trust Service Providers

This chart shows the evolution of the number of active Qualified Trust Service Providers per country. Each bar represents the number of Qualified Trust Service Providers for a single Member State or associated country at the selected quarter. The evolution can be seen by moving the slider to change the displayed quarter or by using the play button.



Evolution of the number of Qualified Trust Service Providers

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eSignature developments in 2018

TRUSTED LIST BROWSER

We have expanded the basic search functionality. The user can now choose to search by the name of a trust service, or search by uploading a signed file or certificate.

2018



SUCCESS STORY 'E-SIGNATURE OF THE FIRST EU REGULATION'

The Digital Signature Service (DSS) open-source library has been set as a base for the signing application used during the e-signature of the first EU Regulation.

2018



CEF DIGITAL

The structure, display of information and the content is in the process of being upgraded by the end of the year.

2018



E-SIGNATURE VALIDATION TEST CASES

Users will soon be able to test if their e-signature application validates e-signatures/e-seals correctly, in line with the eIDAS regulation and ETSI standards.

2018



COUNTRY SHEETS

We are in the process of data collection on the use of eIDAS compliant e-signatures and e-seals in each EU member state.

2018-2019



Areas of cooperation/Instruments/stakeholders

The Cooperation Network

Established by the Commission implementing decision 2015/296 on cooperation (article 12) under the eIDAS Regulation, the Cooperation Network is a formal cooperation among Member States to “facilitate the technical interoperability of the notified electronic identification schemes with a view to fostering a high level of trust and security appropriate to the degree of risk”.

As part of this cooperation the “exchange of information and the sharing of best practices between Member States with a view to their mutual recognition should help such cooperation”.

- Issuing of opinions
- Last meeting 9/10 October 2018

Areas of cooperation/Instruments/stakeholders

- eidas Expert Group (Trust Services)
- Standardisation bodies (ETSI) – Updating Implementing act
- ENISA
- Conversations with industry (web browsers)
- Other International organisations (UN)
- Third countries (eIDAS Article 14)
- Internally
- Studies
- Enforcement

Supporting eIDAS adoption



eIDAS study on pilots for replication of multipliers: supporting the uptake of eIDAS services by SMEs, SMART 2016/0084

<https://ec.europa.eu/digital-single-market/en/eidas-smes>

<https://ec.europa.eu/digital-single-market/en/learn-about-eidas>



Where eIDAS plays a role

AMLD5 – Directive (EU) 2018/843

Published on OJEU on 19/06/2018

Payment Service Directive 2 – Directive (EU) 2015/2366

Commission Delegated Regulation (EU) 2018/389 – Regulatory Technical Standards for Strong Customer Authentication

Once-Only Principle cross-border

EU Regulation on Single Digital Gateway agreed on 24/05/2018

Digital on-boarding and portability of KYC

EC Expert Group on eID and remote KYC (2nd meeting held on 10 July 2018)
– jointly managed by CNECT, JUST and FISMA

Company law

Proposal to amend the Directive (EU) 2017/1132 adopted by EC on 25/04/2018 as regards the use of digital tools and processes in company law

Tackling online disinformation / Fighting fake news

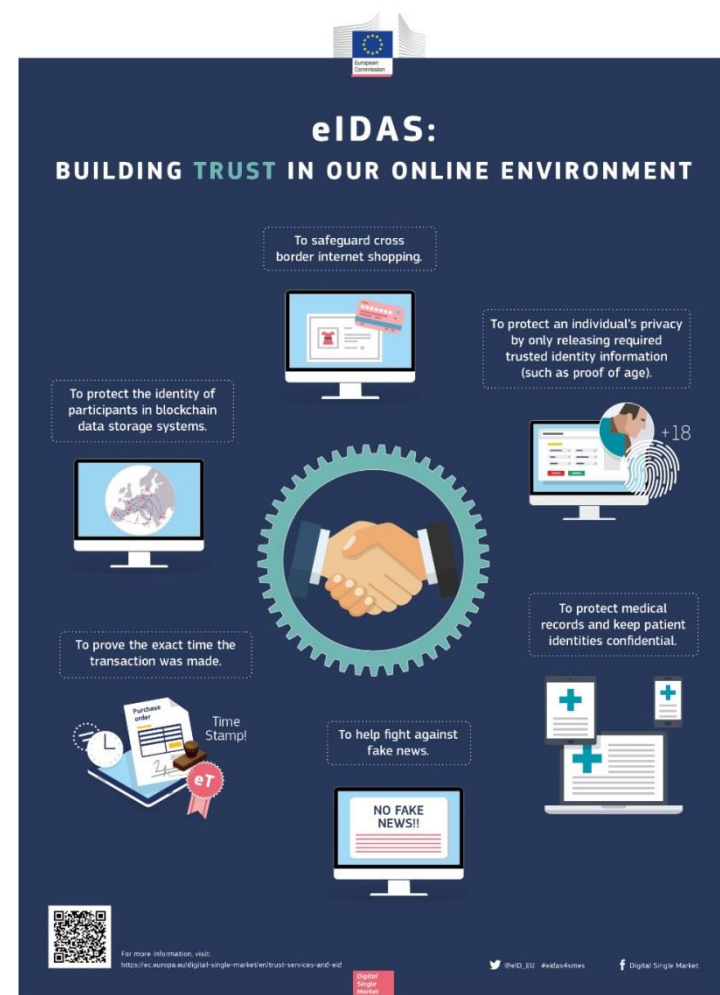
COM(2018) 236 final adopted on 26/04/2018

GDPR compliance

Data minimisation; use of trusted attributes, credentials and entitlements (such as age verification, proof of residence, etc.)

Audio-visual Media Service Directive

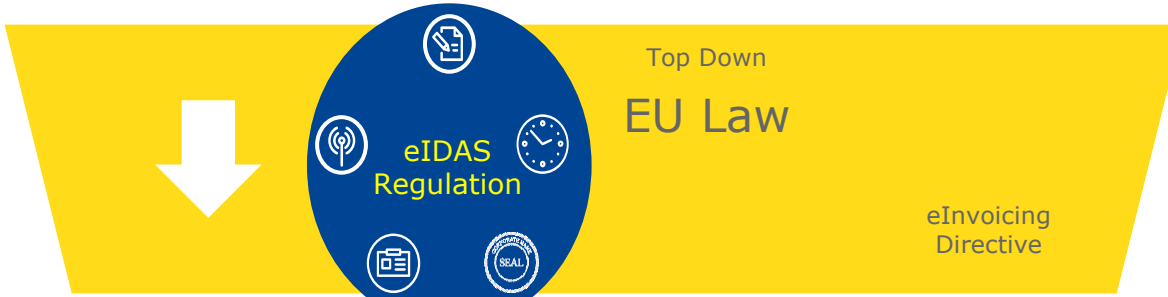
Protection of minors / Age verification and parental consent



CEF Building Blocks

The building blocks of the Connecting Europe Facility promote the adoption of the same open standards and technical specifications, by the different sectors of the Union, for the most basic & common functionalities of any sectorial project/ platform.

These core commonalities will enable interoperability across borders and sectors.



What does CEF Digital finance?

DIGITAL SERVICE INFRASTRUCTURES (DSIs)

Funding for the
EUROPEAN COMMISSION

Funding for the
MEMBER STATES



CORE SERVICE PLATFORM

Services offered by the European Commission

SECTORIAL



eJustice Portal



EU Open Data Portal

...

BUILDING BLOCKS

eInvoicing



eSignature



eDelivery



eID



eTranslation



e Archiving



GRANTS

Projects in the Member States



Building block DSIs provide basic functionality and are reusable by sector-specific DSIs

More building blocks are coming



ANALYSE and TEST *with*

Data analytics



ARCHIVE *with*

eArchiving

2018 CEF Telecom Call - eIdentification & eSignature (CEF-TC-2018-1)

This call is now closed.

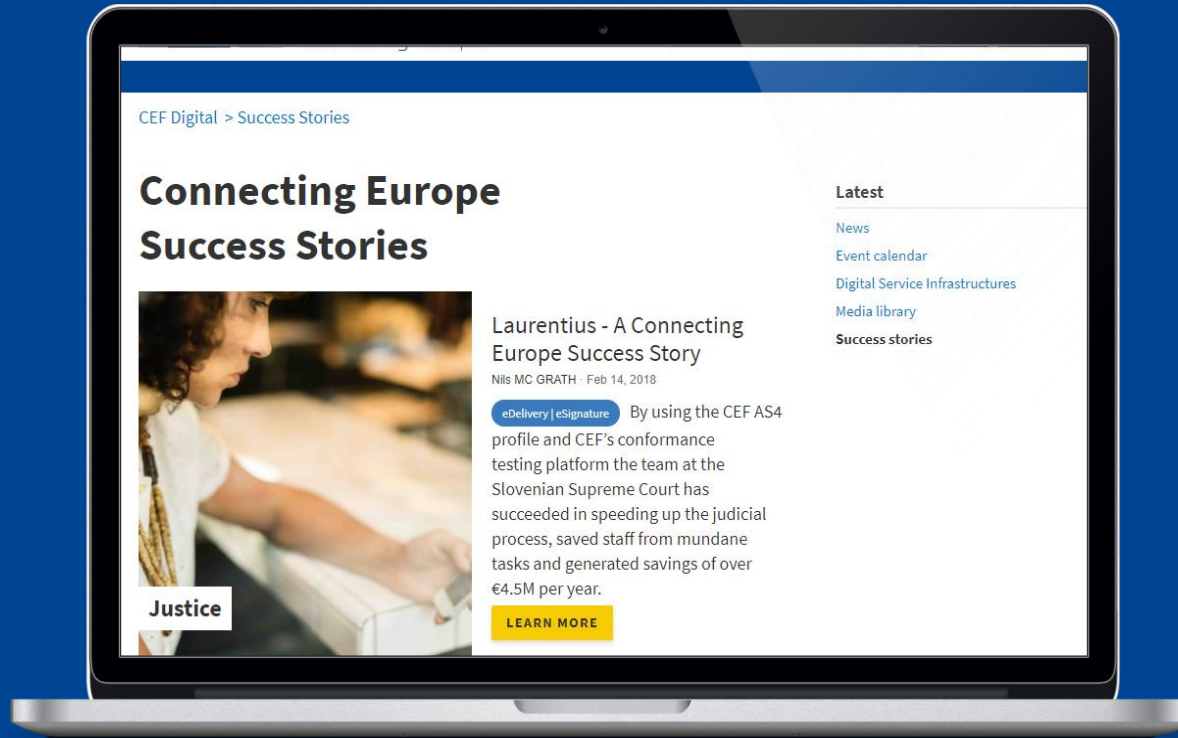
The **2018 CEF Telecom eIdentification & eSignature call** makes an indicative **€8 million** of funding available for proposals in this area.



LIST OF SELECTED PROPOSALS

| Proposal Code | Title of proposal | Full Official Name of Coordinator | Recommended CEF Funding (€) |
|-----------------|---|--|-----------------------------|
| 2018-ES-IA-0039 | Connecting Regional and Local Administrations to Spanish eIDAS Node (eID4Spain) | Universitat de Valencia (Estudi General) | 298,971 |
| 2018-EU-IA-0024 | SEAL (Student and Citizen Identities Linked) | ATOS SPAIN SA | 1,191,131 |
| 2018-EU-IA-0026 | Cross-border authentication in European cloud platforms according to the eIDAS Regulation (EUROLogin) | Universitat Politecnica de Valencia | 598,952 |
| 2018-EU-IA-0032 | SEMPER - Cross-border Semantic Interoperability of Powers and Mandates | Graz University of Technology | 895,751 |
| 2018-EU-IA-0036 | MyAcademicID | European University Foundation-Campus Europae | 1,049,160 |
| 2018-EU-IA-0044 | eIB (eIDAS-enabled i-Banking) | Athens Stock Exchange (ATHEX) | 752,683 |
| 2018-HR-IA-0017 | eS&S - eSeal & Signature Validation Service Croatia | Ministarstvo gospodarstva, poduzetnistva i obrta (Ministry of Economy, Entrepreneurship and Crafts) (MGPO) | 132,571 |

* <https://ec.europa.eu/cefdigital/wiki/display/CEFDIGITAL/Success+Stories>



Read all the Connecting Europe success stories on CEF Digital

[View >](#)

What's next

- Factors driving the evolution of electronic identity and trust services
 - Globalisation and connected society
 - Increasing demand for frictionless experiences
 - Increasing concerns about use of personal data
 - Increasing crowded and fragmented digital identity market
 - Growing dependency between public and private sectors
 - Increasing cybersecurity risks
 - Rise of exponential technology: cloud, DLT, IoT, AI, social media
- Trends
 - Mobile first
 - Biometrics: multimodal and behavioural
 - Analytics enabling real-time and continuous authentication
 - Blurring lines between the physical and the digital world – identity of things
 - Citizen-controlled data
 - Changing identity ecosystem

What's next



EU BUDGET FOR THE FUTURE
#EUBudget #EURoad2Sibiu #FutureofEurope
© June 2018

INVESTING IN THE FUTURE DIGITAL TRANSFORMATION 2021-2027

WHY IS THIS A PRIORITY?

Digital transformation holds the key to unlocking future growth in Europe. Through new funding projects, the next long-term EU budget – the European Multiannual Financial Framework – will help to bridge the EU's digital investment gap for the 2021-2027 period.

WHAT'S NEW FOR 2021-2027?

The Digital Single Market strategy has put in place a robust framework, which must now be matched by an **equally robust investment programme** to make the most of many new opportunities digital transformation offers:

- Investments in digital will be much higher than before
- Focus on areas of public interest
- Reinforce several ongoing cooperation projects with the Member States

The Commission has created a **new Digital Europe programme** with an overall budget of **€9.2 billion** to shape and support the digital transformation of Europe's societies and economies. The programme will boost frontline investments in supercomputing, artificial intelligence, cybersecurity and advanced digital skills.

FIVE FOCUS AREAS UNDER DIGITAL EUROPE PROGRAMME:

- Supercomputing
- Artificial Intelligence
- Cybersecurity and Trust
- Advanced Digital Skills
- Ensuring the wide use of digital technologies across the economy and society

EU MFF 2021-2027

Digital Europe Programme

- Aiming at the digital transformation of Europe's society and economy
- One fully dedicated programme in the EU budget reflecting the ever-increasing relevance of digital
- Main pillars of Digital Europe (overall budget €9.2 billion):
 - High Performance Computing (€2.7 billion)
 - Artificial intelligence (€2.5 billion)
 - Cybersecurity and **trust** (€2 billion)
 - Digital Skills (€0,7 billion)
 - **Digital Transformation and interoperability** (€1.3 billion)

For further information and feedback

Web page on eIDAS

<http://ec.europa.eu/digital-agenda/en/trust-services-and-eid>

eIDAS Observatory

<https://ec.europa.eu/futurium/en/eidas-observatory>

Text of eIDAS Regulation in all languages

<http://europa.eu/lux73KG>

**Connecting Europe Facility –
Catalogue of Building Blocks**

<https://ec.europa.eu/cefdigital>

eIDAS twitter account

[@eID_EU](https://twitter.com/eID_EU)

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