



DIGIT

Directorate-General
for Informatics

DG Connect

Directorate-General for Communications
Networks, Content and Technology



Introducing the CEF Building Blocks

Enablers of secure cross-border digital interactions

Joao Rodrigues Frade

Overall Digital Economy and Society Index - 2017



100

DIGITAL weighted score

100
90
80
70
60
50
40
30
20
10
0

Denmark
Finland
Sweden
Netherlands
Luxembourg
Belgium
United Kingdom
Ireland
Estonia
Austria
Germany
Malta
Lithuania
Spain
Portugal
European Union 28
France
Slovenia
Czech Republic
Latvia
Slovakia
Hungary
Cyprus
Poland
Croatia
Italy
Greece
Bulgaria
Romania

Digital is the
NEW NORMAL

LEGEND

- 1 Connectivity
- 2 Human Capital
- 3 Use of Internet
- 4 Integration of Digital Technology
- 5 Digital Public Services

Overall Digital Economy and Society Index - 2017



100

DIGITAL weighted score

100
90
80
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60
50
40
30
20
10
0



MAIN CHALLENGES

1

Member States are at different levels of maturity but need to work together to create a functioning Digital Single Market

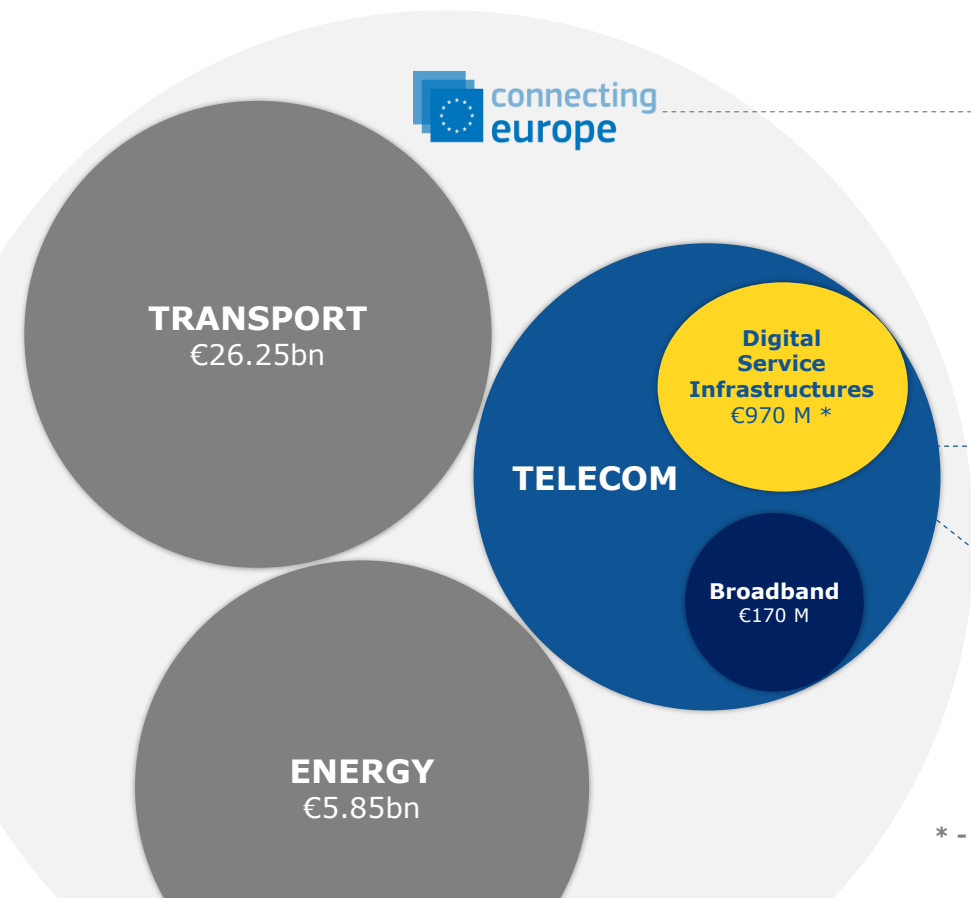
2

Digital services need to be shaped taking into account a diverse set of contrasting concerns e.g. trustworthiness and openness, national and cross-border use ...

LEGEND

- 1 Connectivity
- 2 Human Capital
- 3 Use of Internet
- 4 Integration of Digital Technology
- 5 Digital Public Services

What is the Connecting Europe Facility (2014 -2020)



CEF Regulation

The Connecting Europe Facility (CEF) is a regulation that defines how the Commission can finance support for the establishment of trans-European networks to reinforce an interconnected Europe.

CEF Telecom Guidelines

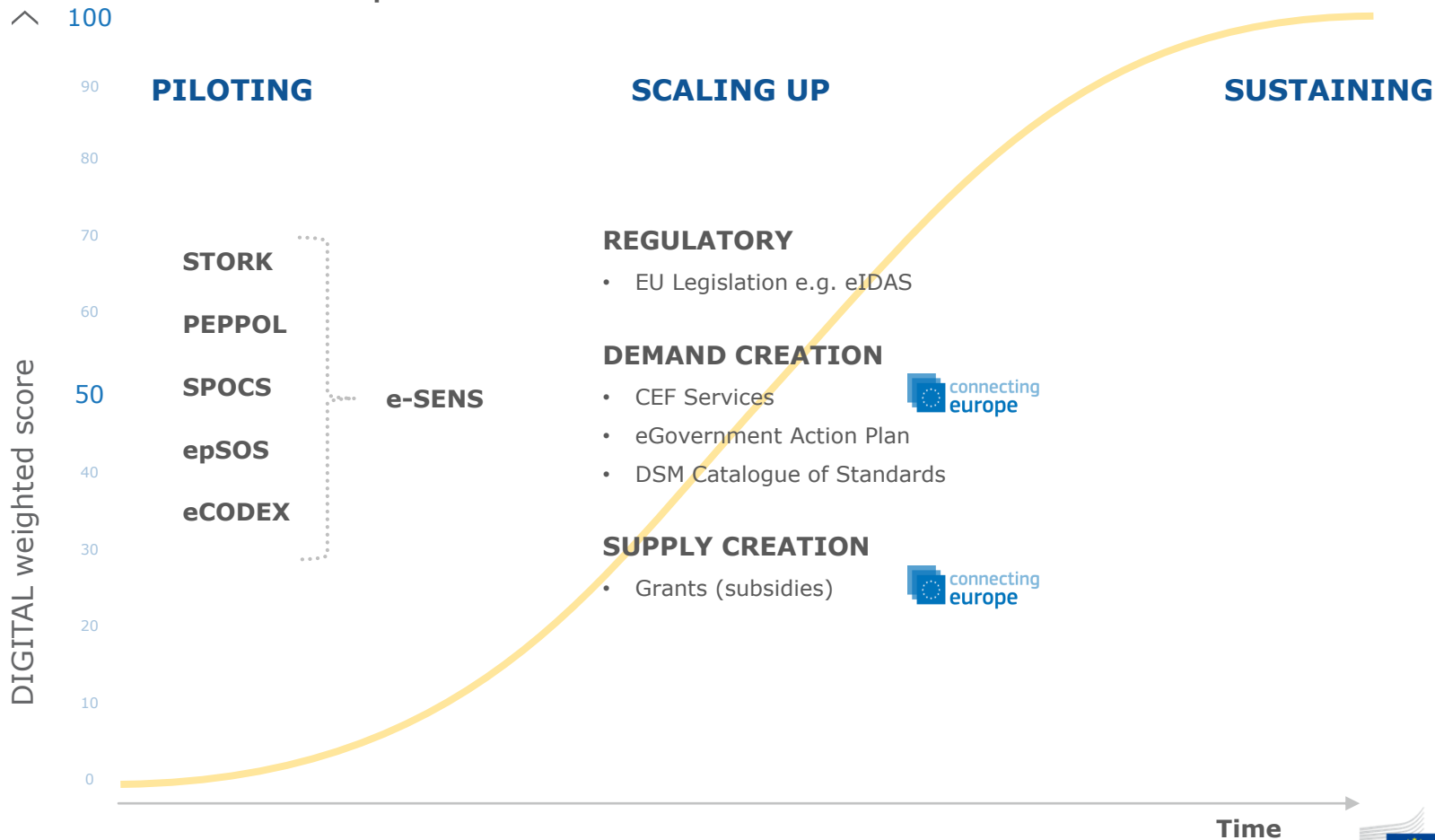
The CEF Telecom guidelines cover the specific objectives and priorities as well as eligibility criteria for funding of broadband networks and Digital Service Infrastructures (DSIs).

CEF Work Programmes

Translates the CEF Telecom Guidelines in general objectives and actions planned on a yearly basis.

* - 100 M Juncker Package

Time Perspective



The 'Big Picture'

Justice

Consumer
Protection

Information
Society

Internal
Market

Social
Security

Funding for the
EUROPEAN COMMISSION



**eJustice
Portal**



ODR



Open Data



BRIS



EESSI, etc.

**SERVICES
offered by the
European
Commission**



IDENTIFY
with **eID**



SIGN
with **eSignature**



INVOICE
with **eInvoicing**



EXCHANGE
with **eDelivery**



TRANSLATE
with **eTranslation**

Funding for the
MEMBER STATES

GRANTS

Projects in the Member
States



**Typically 'deployment' projects at national level
(up to 75% of eligible cost)**

**SERVICES
offered by
the European
Commission**



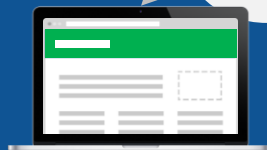
**EUROPEAN
DATA PORTAL**



<https://www.europeandataportal.eu>

Internet

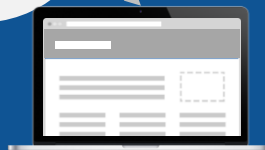
GRANTS



City



Region



Member State



European
Commission

**SERVICES
offered by
the European
Commission**



**EUROPEAN
DATA PORTAL**

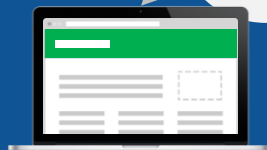


eID
building block

eTranslation
building block

Internet

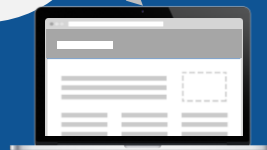
GRANTS



City



Region



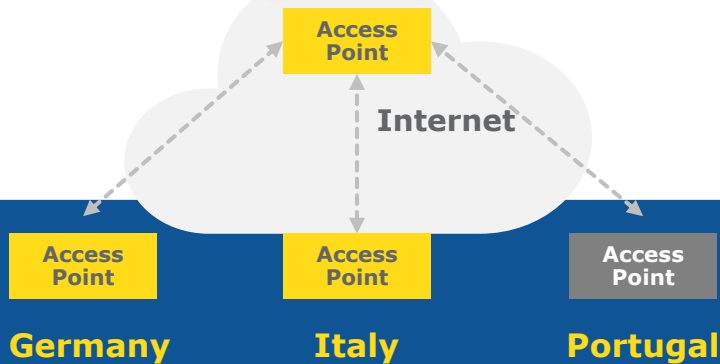
Member State

SERVICES
offered by
the European
Commission



<https://e-justice.europa.eu>

GRANTS



SERVICES
offered by
the European
Commission



eSignature
building block



eID
building block

eTranslation
building block

eDelivery
building block

GRANTS

Access Point

Germany

Access Point

Italy

Access Point

Portugal

Internet

We're the Digital Citizens of the Future

Authentication based on eID systems in the Member States



IDENTIFY

with **eID**

eTranslation



TRANSLATE

with **eTranslation**

Electronic Invoicing



INVOICE

with **eInvoicing**

Recognition of eSignatures



SIGN

with **eSignature**

Secure exchange data and documents








EXCHANGE

with **eDelivery**



Reuse of building blocks within the CEF Programme

Sector Specific DSIs		Building Block DSIs				
		eDelivery 	eSignature 	eID 	eTranslation 	eInvoicing 
Europeana*	DG CONNECT					
Safer internet*	DG CONNECT					
Public open data	DG CONNECT					
ODR	DG JUST					
eHealth	DG SANTE					
eProcurement	DG GROW					
EESSI	DG EMPL					
EU e-Justice portal	DG JUST					
BRIS (ECP)	DG JUST					
Cybersecurity	DG CONNECT					
eInvoicing	DG GROW					

Decided not to reuse

Commitment to analyse

Commitment to reuse

Reusing

* Projects run together with Member States through grants provided by CEF.

Select a DSI:

eDelivery

Filter by

Service

Access points

Quarter

2016 Q4

Country

Choose a value...

Domain

Choose a value...

Project

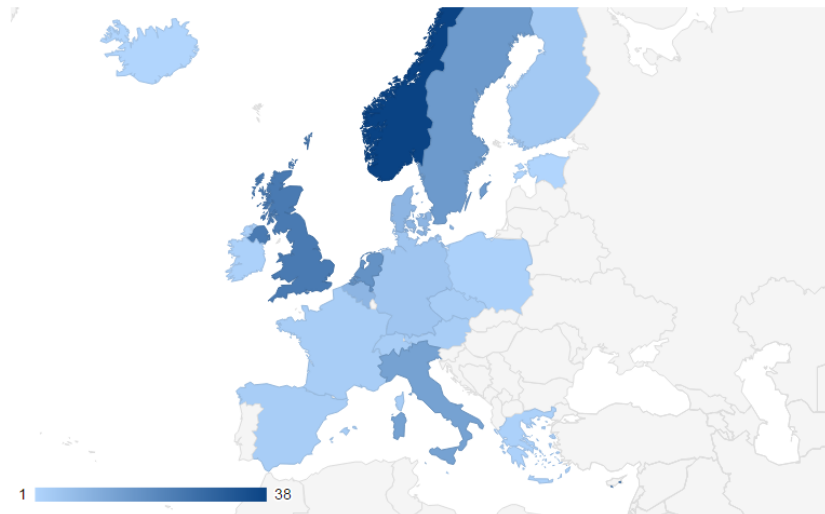
Choose a value...

Specification

Choose a value...

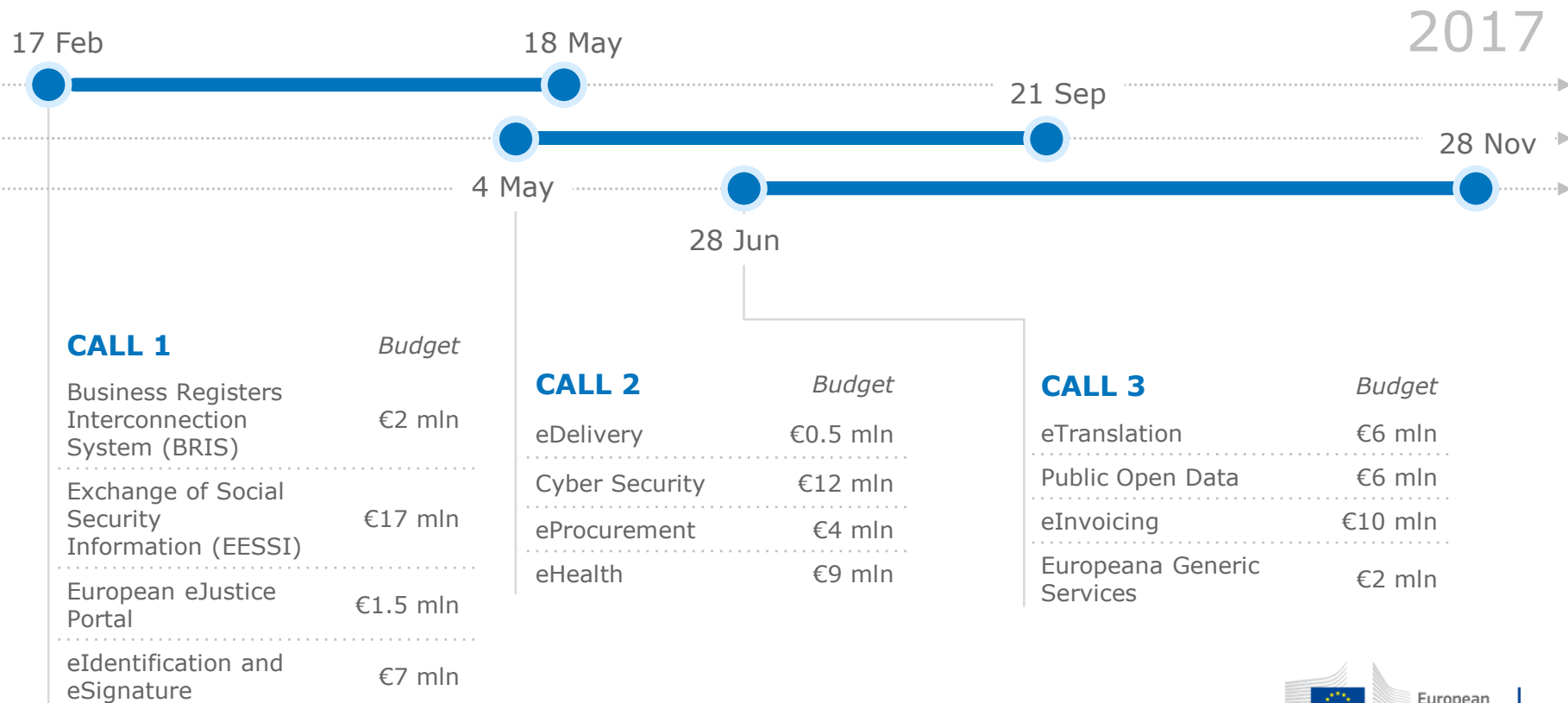
Number of eDelivery access points per country

This map shows the eDelivery access points deployed in Members States and associated countries. Countries with more access points are coloured darker. Data currently includes access points deployed as part of the OpenPEPPOL, EU-CEG and e-CODEX networks. Click on a country to view information regarding uptake of CEF DSIs in that particular country.



[ec.europa.eu/
cefdigital](https://ec.europa.eu/cefdigital)

Join the wave, apply to the CEF grants



To know more

CEF Building Blocks

All information about the services offered by the European Commission (focus on the building blocks).

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

The screenshot shows the 'eDelivery' section of the CEF Digital website. It features a sidebar with navigation links for Technical Specifications, Software, Managed Services, Testing Services, and Supporting Services. The main content area is titled 'The eDelivery services hub' and includes a section for 'eDelivery Components' with a table listing various services and their profiles.

Service offering	Access Point	SMP	SML	Connector	Trust Establishment
Technical Specifications	e-SENS AS4 profile	e-SENS SMP profile	e-SENS eSone Party ID profile	ETSI REM profile	ETSI electronic signatures and infrastructures profile
	OpenPEPPOL		e-SENS B2ML		

GRANTS

All information about the grants: requirements, deadlines, how to apply, documentation, FAQs, etc.

<https://ec.europa.eu/inea/connecting-europe-facility/cef-telecom>

The screenshot shows the '2016 CEF Telecom calls for proposals' page on the INEA website. It includes a sidebar with navigation links for Connecting Europe Facility, CEF Energy, CEF Telecom, and CEF Transport. The main content area provides information about the grants, including a table for 'Indicative Call Planning'.

Call	Call open	Deadline for submissions
CEF-TC-2016-1 Business Registers Interconnection Systems (BRIS) (indicative budget: €3 million)	3 March 2016	Closed on 19 May 2016

Find out more on CEF Digital



CEF DIGITAL

Login Support



European Commission



Live Webinar - Tuesday 28th of July: "CEF eDelivery - What's In It For You?"

The CEF Building Blocks

Supported by the Connecting Europe Facility (CEF), the CEF Building Blocks offer basic capabilities that can be used in any European project to facilitate the delivery of digital public services across borders.

About the Building Blocks

eDelivery

eID

eInvoicing

eSignature

eTranslation

Learn More >



Collaborative spaces

Check them out

Grants

Apply Now

Visit INEA's website

Latest News

Find all the latest news, events and more at Connecting Europe

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DG CONNECT

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Contact us



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