European Commission

Connecting Europe Facility
TELECOM

*Innovation
and Networks
Executive Agency*

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FOREWORD

We are delighted to introduce this publication presenting the Innovation and Networks Executive Agency's (INEA) activities supporting the deployment of digital networks and cross border interoperable services across Europe.

The Connecting Europe Facility (CEF) programme has been providing EU funding for trans-European networks since 2014. Along with projects in the transport and energy sectors, CEF has provided funding in the digital sector (over €1 billion) for the deployment of digital networks and services- a key goal of the Digital Single Market – in two main ways.

- First, **Digital Service Infrastructures (DSIs)** provide IT solutions to ensure that online services for citizens, businesses and public administrations become interoperable across European borders. Funded projects include, amongst others, cultural heritage (Europeana), Cybersecurity and eHealth. Furthermore, the so-called DSI building blocks also provide basic functionalities – such as safe authentication and electronic signature, (eIdentification/eSignature), or multilingual automated translation tools (Automated Translation) – that re-used and combined in other projects provide them with cross border interoperability by default.

  In total, over € 700 million have been invested in the deployment of these digital services to develop IT systems at European level, (the so-called Core Service Platforms) and interfaces connecting the national IT systems (the so-called Generic Services, managed by INEA), thus enabling services to operate across EU borders.

  The Innovation and Networks Executive Agency (INEA) organises the calls and evaluation for the generic services proposals, as well as monitoring of the selected projects. Over the last seven years (2014-2020), seventy-four calls for proposals have been published. So far, over €308 million have been awarded to 571 projects – involving over 2000 partners across Europe. Of these actions[1], over 240 projects are completed, demonstrating the CEF Telecom programme's capacity to deliver concrete benefits to citizens, businesses and administrations across the EU.

- Second, since 2018, the **WiFi4EU** initiative supports European municipalities that wish to offer free Wi-Fi connectivity in public spaces. Up until October 2020, more than 25% of municipalities in the EU have registered in the WiFi4EU Portal (www.wifi4eu.eu) to participate in this initiative. Through a pioneering scheme at EU level, INEA awards vouchers to the winning municipalities via a fully online and simple procedure. Municipalities are selected on a "first-come, first-awarded" basis while ensuring, through a geographical distribution key, a fair allocation of vouchers in all European countries. The four calls received on average 10,000 applications – most of the winners having clicked within seconds after the call opening.

  As a result, between 2018 and 2020, the WiFi4EU initiative has distributed more than 8,800 vouchers across the EU, allocating some €132 million. In the reporting period for this brochure – more than 2,500 WiFi4EU networks have been set up and paid for. At the time of going to print, that number has already increased to over 3,000. WiFi4EU has thus revealed a huge demand from local authorities who are eager to offer free and quality connectivity for their citizens and visitors in their city halls, health centres, local museums, public libraries, pedestrian streets or parks, etc.

The CEF support to digital will be continued and further developed in the next multiannual financial framework (2021-2027). The Digital Europe Programme will reinforce EU critical digital capacities by focusing on the key areas of artificial intelligence (AI), cybersecurity, advanced computing, data and cloud infrastructure, governance and processing, and their deployment and best use for critical sectors (including support to advanced digital skills in these areas). CEF-2 'Digital' will support the deployment of cross-border 5G networks along major transport paths, the early deployment and take up of 5G in local smart communities as well as pan-European backbone networks interconnecting digital capacities such as cloud, high-performance computing and quantum secure communication.

This brochure presents an overview of the actions supported by INEA to date[2], showing how the DSI and the WiFi4EU initiative have paved the way to the next generation of ICT projects that will turn the digital transformation into a reality at the service of all Europeans. We hope you will enjoy your reading.

Dirk BECKERS
Director of the Innovation and Networks Executive Agency

Roberto VIOLA
Director-General for Communications Networks, Content and Technology

1   For the purpose of this brochure, the terms 'actions' and 'projects' are used in a similar manner. This brochure focuses on Actions managed by INEA exclusively.
2   Up to and including projects stemming from the Work Programme 2019 calls; the evaluation of proposals submitted further to the last CEF Telecom calls is pending.

CEF Telecom Portfolio

Number of calls per year

Year	CEF Telecom DSIs	WiFi4EU
2014	2	
2015	8	
2016	12	
2017	12	
2018	12	1
2019	12	2
2020	16	1

TOTAL 78* CALLS
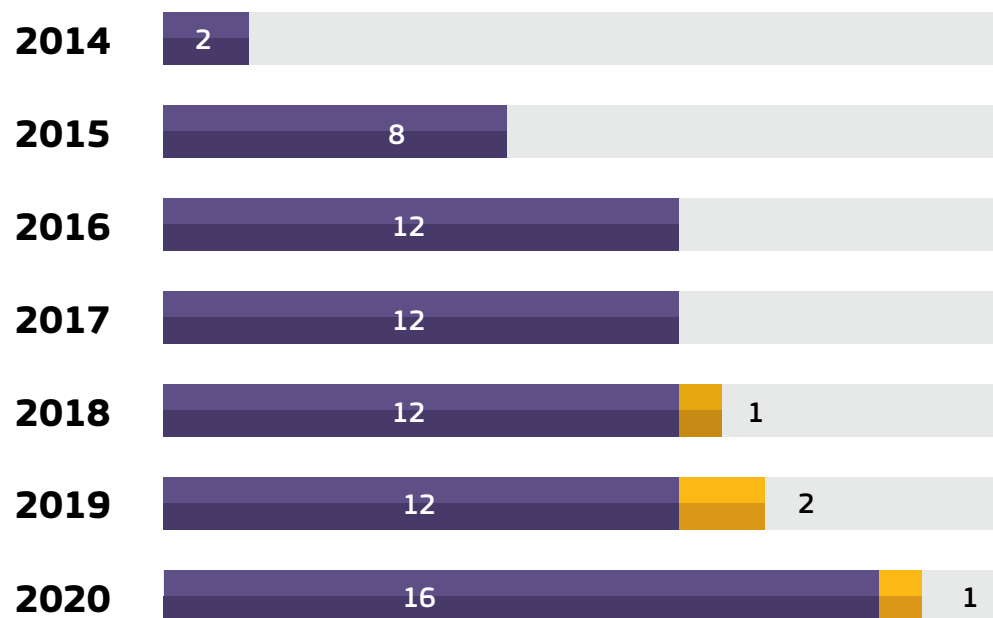
■ CEF Telecom DSIs   ■ WiFi4EU

*16 CEF Telecom (DSIs) calls are currently under evaluation

Funding and investment

Digital Service Infrastructures (DSIs)

EU FUNDING
€308 MILLION

571 ACTIONS

TOTAL INVESTMENT
€448 MILLION

WiFi4EU

EU FUNDING
€132 MILLION

TOTAL VOUCHERS
8802 VOUCHERS

Digital Service Infrastructures (DSIs)

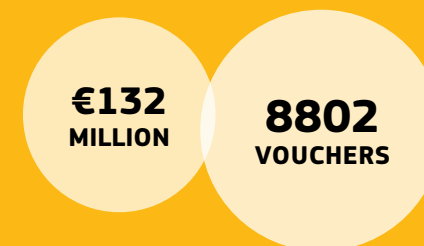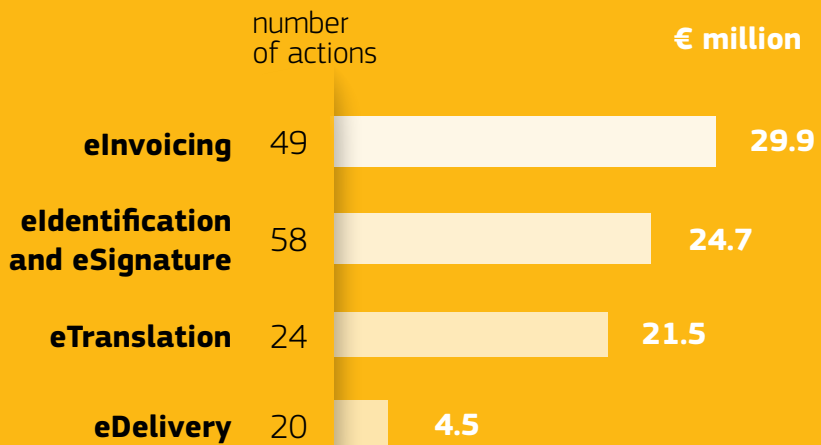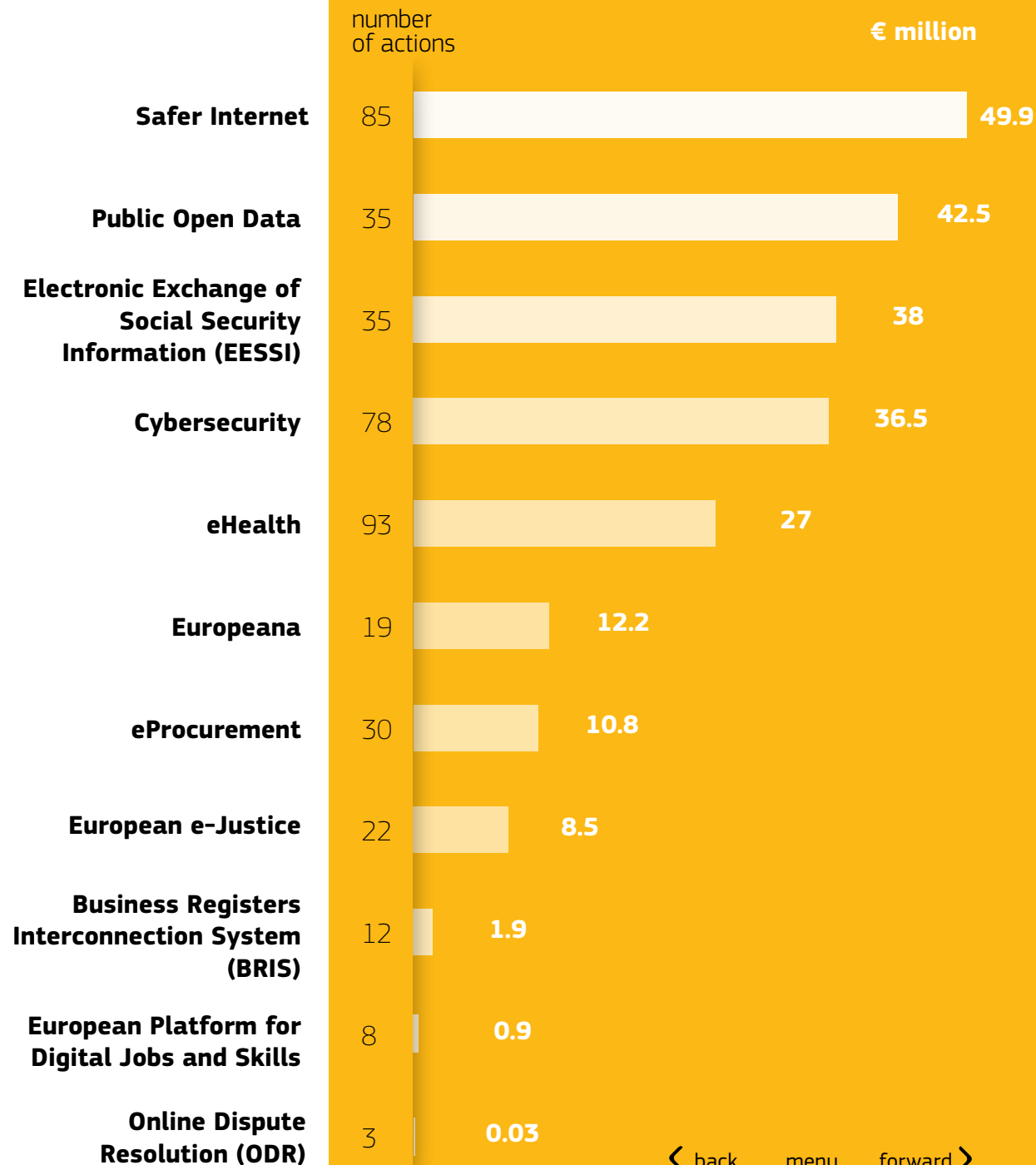CEF Digital Service infrastructures (DSIs) play a key role in supporting Member States to comply with EU Regulations and Directives and facilitate coordination among Member States to share data, develop standards and enable the interoperability of an ecosystem of digital solutions they have developed at national level. This has resulted in faster and more efficient online public and cross-border services for the benefit of citizens, businesses and public administrations across Europe.

FUNDING PER SECTOR SPECIFIC DSI

Sector Specific DSI	number of actions	€ million
Safer Internet	85	49.9
Public Open Data	35	42.5
Electronic Exchange of Social Security Information (EESSI)	35	38
Cybersecurity	78	36.5
eHealth	93	27
Europeana	19	12.2
eProcurement	30	10.8
European e-Justice	22	8.5
Business Registers Interconnection System (BRIS)	12	1.9
European Platform for Digital Jobs and Skills	8	0.9
Online Dispute Resolution (ODR)	3	0.03

FUNDING PER DSI BUILDING BLOCK

DSI Building Block	number of actions	€ million
eInvoicing	49	29.9
eIdentification and eSignature	58	24.7
eTranslation	24	21.5
eDelivery	20	4.5

Funding per country (DSIs)

EU Member States	FUNDING (€million)		
AT	€9.5	IE	€12.5
BE	€13.2	IT	€31.4
BG	€4.9	LT	€5.3
CY	€6.3	LU	€7.1
CZ	€6.8	LV	€8.8
DE	€19.2	MT	€4.5
DK	€5.6	NL	€16.5
EE	€7.2	PL	€7.2
EL	€11.7	PT	€9.7
ES	€32.6	RO	€5.3
FI	€11.0	SE	€6.9
FR	€14.9	SI	€6.7
HR	€9.5	SK	€5.8
HU	€7.2		

Other countries	FUNDING (€million)		
CH	€0.03	RS	€0.05
IS	€2.5	UK	€13.2
NO	€5.5		

€32.7 million
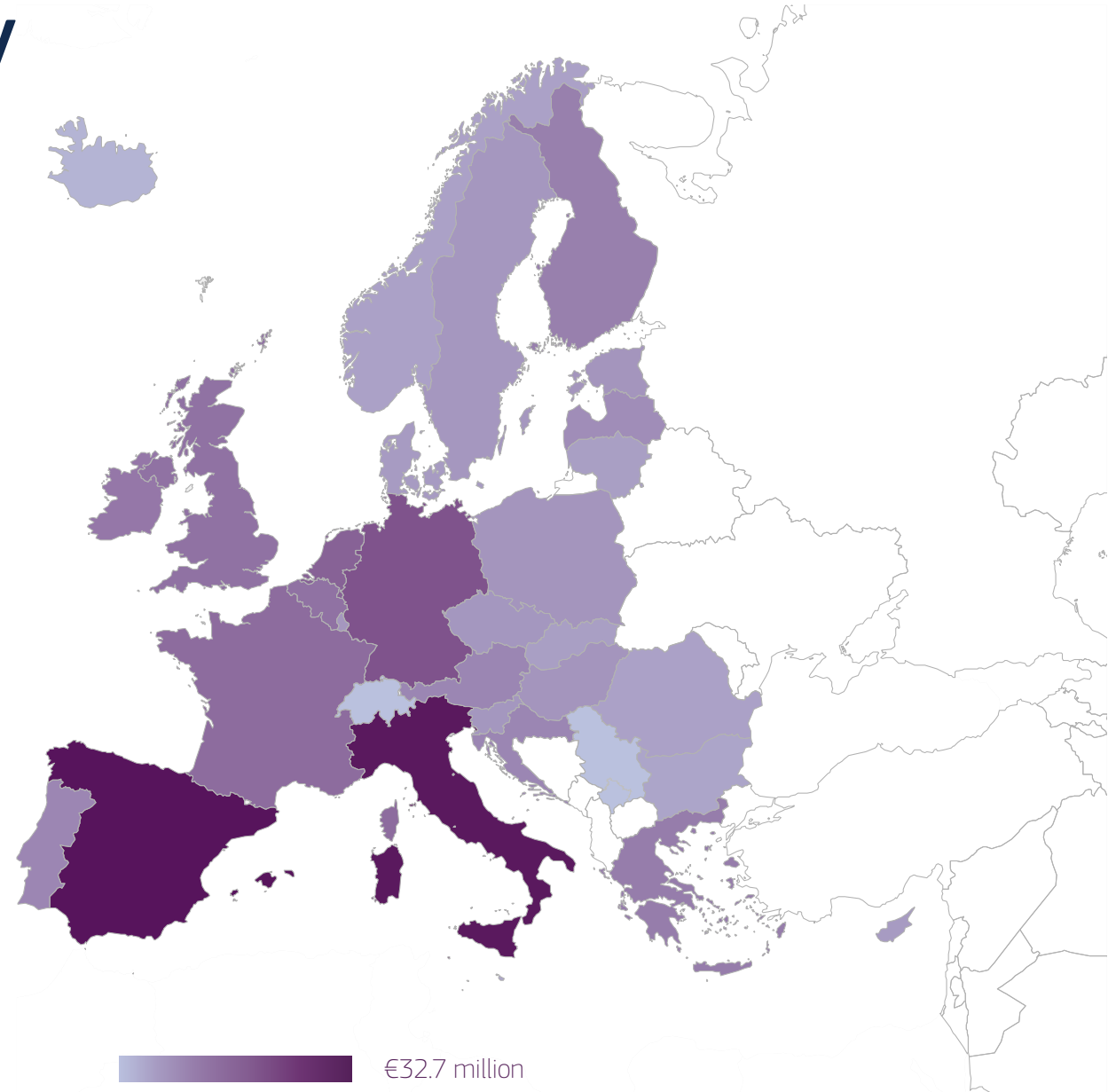
Last update: November 2020

Digital Service Infrastructures (DSI) and project highlights

DSI Building blocks

- eIdentification and eSignature
- eDelivery
- eInvoicing
- eTranslation

Sector-specific DSIs

- Business Registers Interconnection System (BRIS)
- Cybersecurity
- Electronic Exchange of Social Security Information (EESSI)
- eHealth
- eProcurement
- European e-Justice Portal
- European Platform for Digital Skills and Jobs
- Europeana
- Online Dispute Resolution (ODR)
- Public Open Data
- Safer Internet

eIdentification and eSignature

58 agreements have been signed for eIdentification & eSignature building blocks under the annual calls[1] from 2014 to 2019. A total of **€24.7 million** of CEF Telecom funding has been earmarked for 22 Member States, 2 EEA countries and 1 third country, corresponding to a total cost of **€26.3 million**[2].

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1   State of play: October 2020.
2   Not taking into account the"CEF-TC-2014-3 – eIdentification (eID)" call for which a lump sum approach was followed.

The **CEF eID building block** helps public administrations and private online service providers to easily extend the use of their online services to citizens from other EU Member States.

The **CEF eSignature building block** supports the use of electronic signatures across EU Member States by helping public administrations and businesses to accelerate the creation and verification of electronic signatures.

The eID and eSignature building blocks are underpinned by the eIDAS Regulation 910/2014, which provides for the mutual recognition of eID schemes and interoperability of eSignatures across Europe.

CEF grants support the Member States in the roll-out of the eIDAS Network (so called eIDAS nodes) and connection of online services (provided by public and private sectors) to this network, making these services accessible across borders.

Moreover, CEF grants enable attributes, mandates and authorities to be associated with electronic identities for cross-border use through the eIDAS nodes and deploy eSignature solutions.
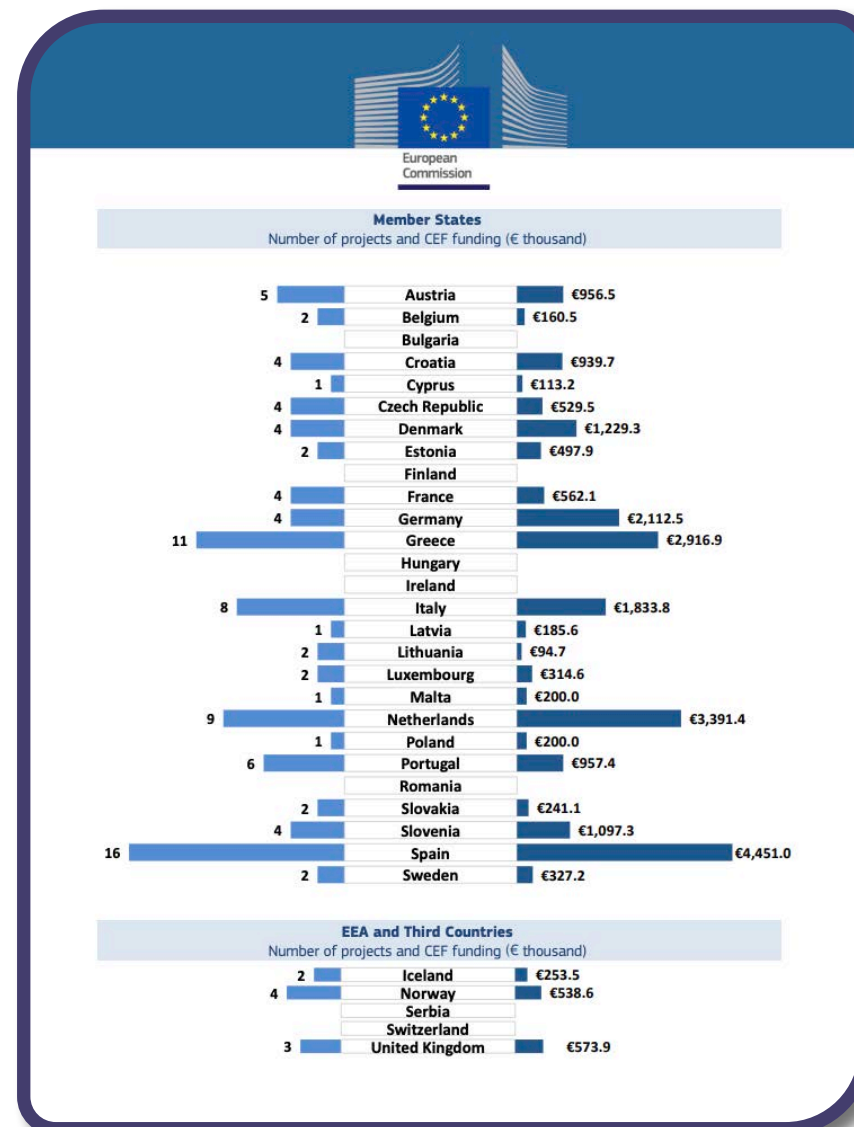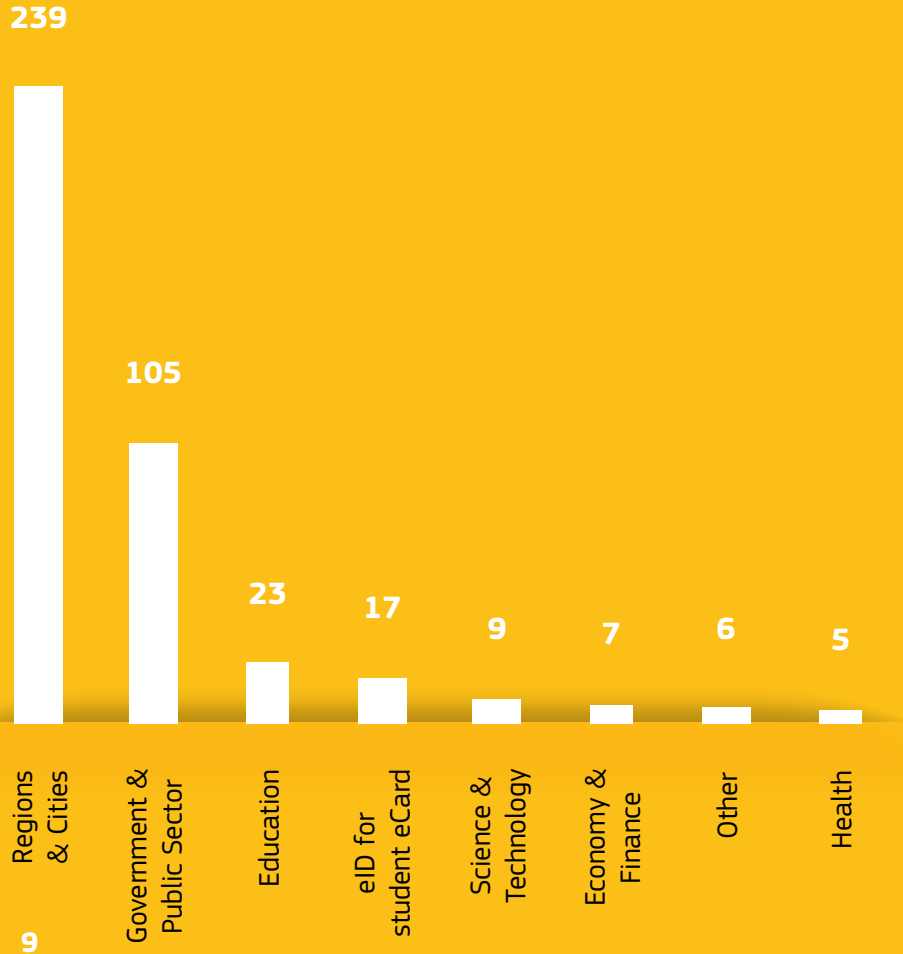
Under CEF grants, 22 Member States have been setting up and/or operating their eIDAS nodes, with 10 Member States authorities connecting also public online services to those nodes. Further connections with the eIDAS Network have been also established by the private providers representing for example banking, cloud platforms, postal operators and top level domain registries.

Moreover, student mobility has been supported by putting in place solutions that enable students' identification in a trusted manner across borders (now under EU Student eCard DSI).

Member States
Number of projects and CEF funding (€ thousand)

5	Austria	€956.5
2	Belgium	€160.5
	Bulgaria	
4	Croatia	€939.7
1	Cyprus	€113.2
4	Czech Republic	€529.5
4	Denmark	€1,229.3
2	Estonia	€497.9
	Finland	
4	France	€562.1
4	Germany	€2,112.5
11	Greece	€2,916.9
	Hungary	
	Ireland	
8	Italy	€1,833.8
1	Latvia	€185.6
2	Lithuania	€94.7
2	Luxembourg	€314.6
1	Malta	€200.0
9	Netherlands	€3,391.4
1	Poland	€200.0
6	Portugal	€957.4
	Romania	
2	Slovakia	€241.1
4	Slovenia	€1,097.3
16	Spain	€4,451.0
2	Sweden	€327.2

EEA and Third Countries
Number of projects and CEF funding (€ thousand)

2	Iceland	€253.5
4	Norway	€538.6
	Serbia	
	Switzerland	
3	United Kingdom	€573.9

See also: eIDAS regulation, eIDAS Observatory, CEF Digital

▶   Project example: GRIDS   ▶   Project example: RegeID

Digital Service Infrastructures

Public administrations and private sector organisations can connect to the eIDAS nodes and integrate the eID solution in their e-services, systems, and platforms. CEF Telecom finances this integration.

Supported e-services, systems, and platforms that feature eID by sector*

Sector	Value
Regions & Cities	239
Government & Public Sector	105
Education	23
eID for student eCard	17
Science & Technology	9
Economy & Finance	7
Other	6
Health	5

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Supported e-services, systems and platform by country*

Country	Value
Croatia	21
Denmark	54
France	1
Germany	6
Greece	27
Iceland	1
Italy	5
Latvia	2
Luxembourg	9
Netherlands	240
Norway	4
Portugal	4
Slovenia	12
Spain	24
United Kingdom	1

Supported eIDAS nodes*

■ eIDAS nodes
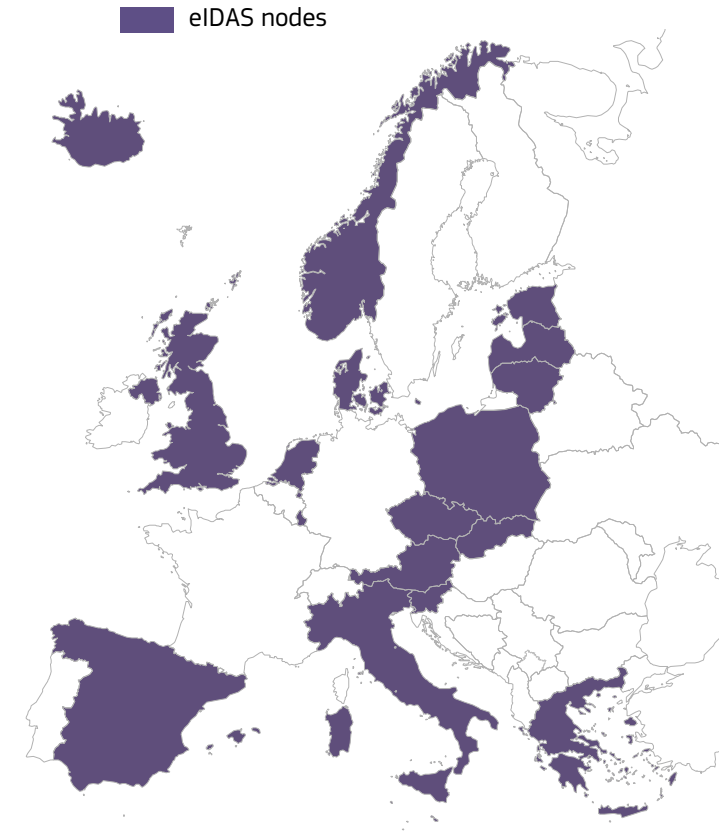
* The data covers the projects closed by October 2020.

GRIDS (increasinG tRust with eId for Developing buSiness)

Increasing trust with eId for developing business

The Action aims to facilitate the cross-border use of e-identification for various business sectors, such as banking when strict anti-money laundering and data protection requirements need to be respected for on-boarding new customers.

Specifically, the Action works on bundling "Know Your Customer" (KYC) data with the eIDAS identification process to showcase how digital KYC providers can use eIDAS identity verification to perform effective and accurate screening of new customers.

To do so, GRIDS will operate a business infrastructure between KYC providers (Data Providers), their customers from the financial, telecom and e-commerce sectors (Data Consumers) and the clients of these industries (Data Subjects). This network will propagate the identity information and the eIDAS authentication tokens and bundle KYC data with the identity data of Data Subjects.

This business infrastructure should simplify the cross-border on-boarding of individual and business customers by providing access to a secure digital environment where participants are reliably identified and authenticated in line with the eIDAS Regulation. It will also allow the achievement of enhanced KYC Due Diligence operations for cross-border clients, thus increasing the operational efficiency of anti-money laundering, counter-terrorist financing and, more generally, preventing and recognising financial crimes.

CALL YEAR
2019

COUNTRY(IES)
Austria, Greece, Italy, Spain

IMPLEMENTATION SCHEDULE
April 2020 to October 2021

TOTAL ELIGIBLE COSTS
€1,160,818

MAXIMUM EU CONTRIBUTION
€870,614

COORDINATOR
ATOS SPAIN SA (Spain)

Click to open the full project description

RegeID

RegeID

This Action supports the integration of the eID DSI with the various services of the national top level domains in four EU countries: the Czech Republic, Denmark, Estonia and the Netherlands.

This Action will expand the use of the eID building block into the internet domain industry. It will decrease practical restrictions for EU residents to manage domain names in other EU countries. This Action will allow registrants to secure their information on registered domain names through their national eIDs and thus enhance trust, assurance and security in the entire internet environment. This should prevent fake domain registrations and significantly help fighting cybercrime and protecting intellectual property rights.

To fully allow implementation of eIDAS-based solutions in the internet domain industry, barriers for registrars to connect to the eIDAS infrastructure will be identified and shared with the relevant stakeholders, paving the way for future eID DSI uptake in various segments of the domain name industry.

Click to open the full project description

CALL YEAR

2019

COUNTRY(IES)

Belgium, Czech Republic, Denmark, Estonia, Netherlands

IMPLEMENTATION SCHEDULE

January 2020 to June 2021

TOTAL ELIGIBLE COSTS

€697,107

MAXIMUM EU CONTRIBUTION

€522,830

COORDINATOR

CZ.NIC z. s. p. o. (Czech Republic)

20 agreements have been signed for the eDelivery building block DSI under the 2015 – 2019 calls1. A total of **€4.5 million** of CEF Telecom funding has been earmarked for 17 Member States, 2 EEA countries and 1 third country, corresponding to a total cost of **€6.2 million**.

eDelivery

1   *State of Play: October 2020.*

The **CEF eDelivery** building block supports public administrations and private entities to exchange electronic data and documents with other public administrations, businesses and citizens, in an interoperable, secure, reliable and trusted way. This is done by creating a secure channel for the transmission of documents and data across EU borders and sectors, over the Internet or via a private network. This channel provides evidence for handling the transmitted data and for protecting it against risks of less, theft, damage or any unauthorised alterations.

eDelivery prescribes technical specifications that can be used in any EU or national policy domain (Justice, Procurement, Consumer Protection,

etc). As a result, organisations that have developed their IT systems independently from each other can start to securely communicate with one another once they have connected to an eDelivery node.

Both eDelivery and the AS4 profile of eDelivery are available free of charge and CEF funding and support services are in place to facilitate the deployment of necessary software solutions.

eDelivery is also already being used in other DSIs (including the Business Registers Interconnection System (BRIS), Automated Translation, eProcurement, eInvoicing, the Online Dispute Resolution (ODR) platform, the Electronic Exchange of Social Security Information (EESSI) project and the e-Justice Portal).
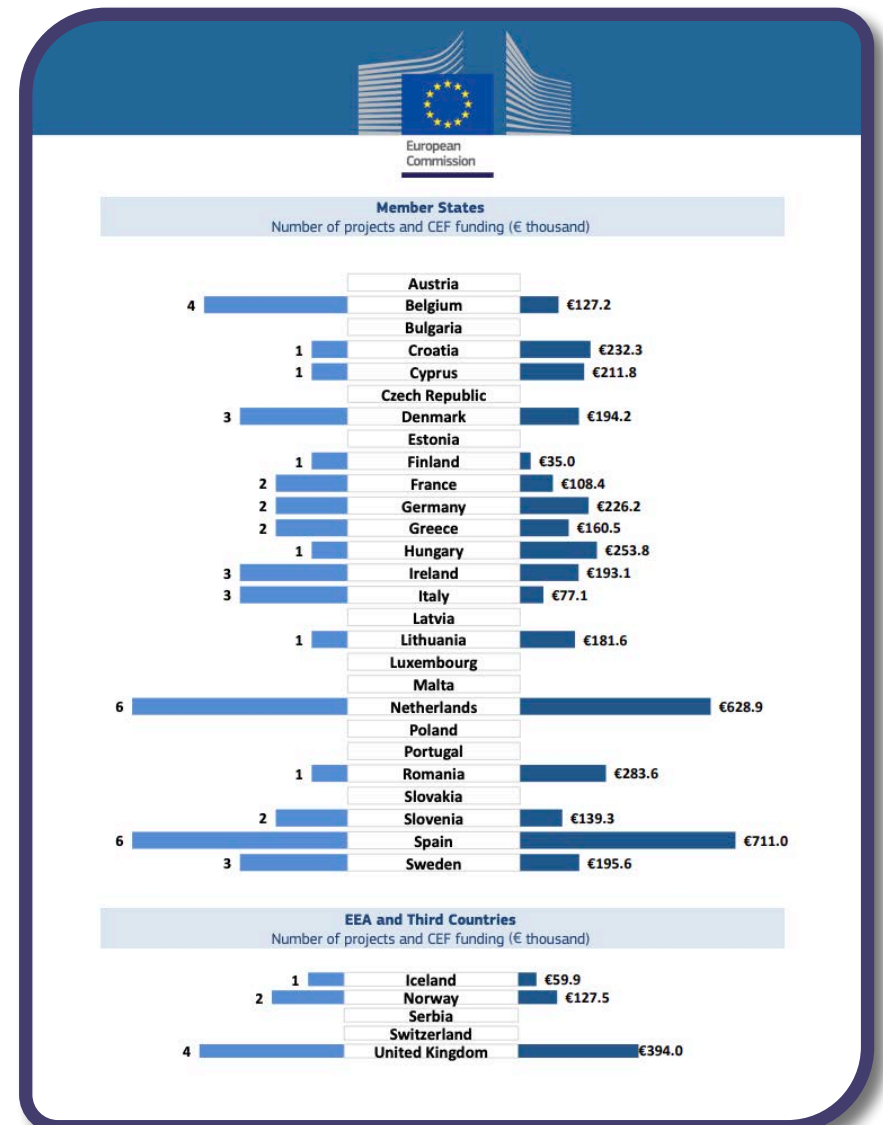
See also: CEF Digital, eIDAS regulation, "What is AS4" factsheet, eDelivery factsheet, eDelivery tutorial, eDelivery in FIWARE

The eDelivery DSI is based on a network of nodes for more secure and encrypted communication among public administrations, businesses and citizens. To exchange information, organisations must rely on an access point that complies with eDelivery specifications.

In addition, they can implement Service Metadata Publishers (SMPs), which enable the participants of an eDelivery Messaging Infrastructure to dynamically discover each other.

With CEF Telecom, 32 access points across 17 countries have been set-up and 28 organisations have implemented Service Metadata Publishers (SMPs).*

Countries implementing both access points and Service Metadata Publisher (SMPs)*

* The data covers the projects closed by October 2020.

EDI4STEEL

EDI4STEEL infrastructure for the EU steel industry

The main objective of this Action is to implement an Electronic Data Interchange infrastructure for benefit of all actors involved in document/data exchange in the EU steel industry value chain.

Therefore, this eDelivery infrastructure is based on eDelivery solution consisting of Access Point (AP), Service Metadata Publisher (SMP) and Service Metadata Locator (SML) that will be conformant with e-Delivery AS4 specifications and eIDAS Regulation.

The Action enables secure exchange of data and documents in the steel domain sector among steel producers, stockholders, construction companies, processing industries and software development companies. Furthermore, the development of EDI messages will result in cost reductions throughout the value chain.

For the governance, maintenance and development of new messages and security of the infrastructure, the EDI4STEEL foundation was established. This foundation will be opened for a membership to any entity operating in the steel sector.

The Action has entered its final stage and is onboarding new clients into the created eDelivery network.

See also: https://edi4steel.eu/

Click to open the full project description

CALL YEAR
2019

COUNTRY(IES)
Belgium, Netherlands

IMPLEMENTATION SCHEDULE
June 2019 to December 2020

TOTAL ELIGIBLE COSTS
€329,781

MAXIMUM EU CONTRIBUTION
€247,336

COORDINATOR
INAD Industrie Software B.V. (Netherlands)

AS4 Interoperability

Under this Action, 2 existing eDelivery solutions were upgraded from PEPPOL AS2 to AS4 profile to comply with the requirements set in the eIDAS Regulation and to promote the cross-border exchange of electronic documents between both public and private sectors in Ireland and Sweden.

The Service Providers, Document Centric Solutions and Pagero AB now fully comply with the CEF eDelivery standards, as they added encryption algorithm, four-corner model support and dynamic discovery functionality to their existing documents/ data exchange solutions. Both service providers are active in different domains and help their customers to transform the paper-based processes to full digital documentation flow in various domains such as eInvoicing, Order Management.

See also: http://www.dcsdocs.com/

https://www.pagero.com/news/pagero-cef-as4-conformant-solution/

CALL YEAR

2017

COUNTRY(IES)

Ireland, Sweden

IMPLEMENTATION SCHEDULE

May 2018 to April 2019

TOTAL ELIGIBLE COSTS

€150,700

MAXIMUM EU CONTRIBUTION

€113,019

COORDINATOR

Institute of Technology Sligo (Ireland)

Click to open the full project description

49 agreements have been signed for eInvoicing building blocks under the annual calls[1] from 2015 – 2019. A total of approximately €29.9 million of CEF Telecom funding has been earmarked for 24 Member States, 2 EEA country and 1 third country, corresponding to a total cost of €39.8 million.

eInvoicing

1   *State of play: October 2020.*

The CEF eInvoicing building block serves to support public administrations in complying with EU eInvoicing Directive 2014/55/EU (in particular EN – new European standard on electronic invoicing). It promotes the uptake and use of eInvoicing solutions by public authorities and helps public authorities, service and solution providers to adapt their services to support new European standard on electronic invoicing. Following the adoption of the European standard on electronic invoicing by CEN, the standard was published by the European Commission on 17 October 2017 in the Official Journal of the European Union.

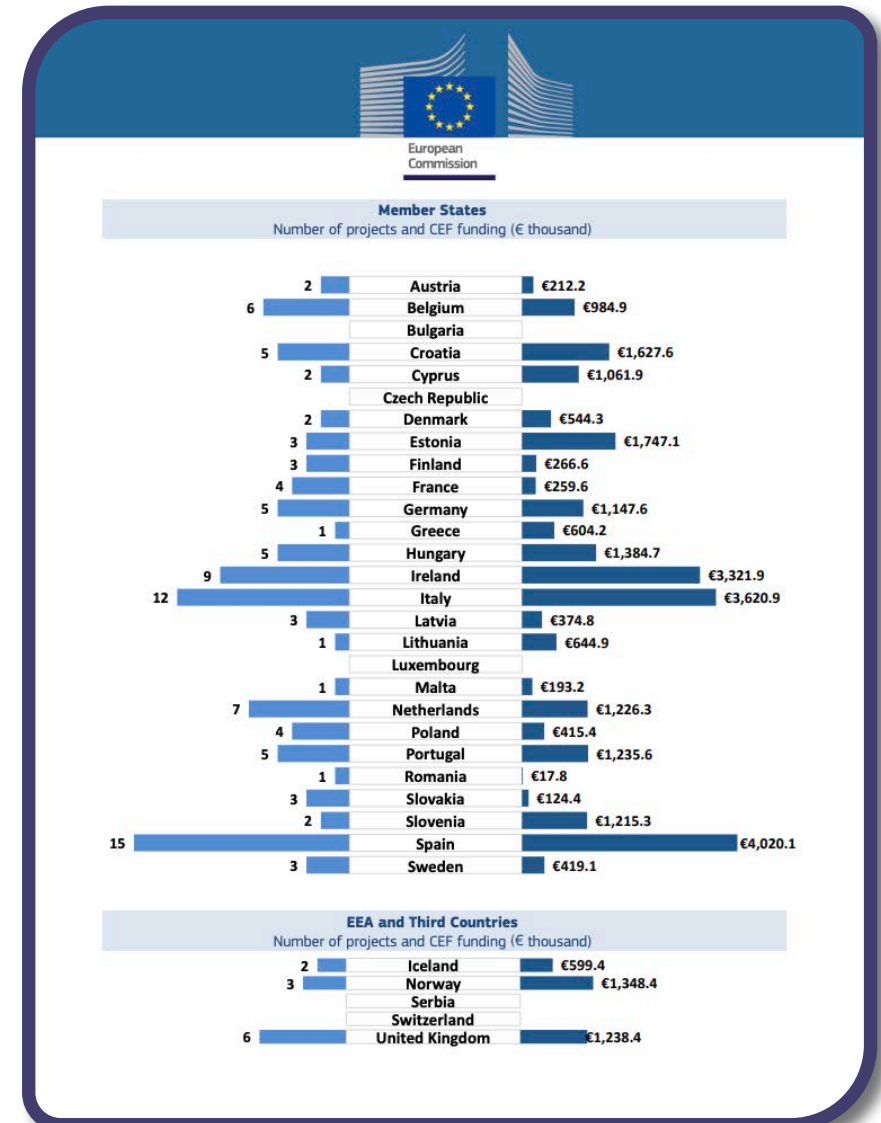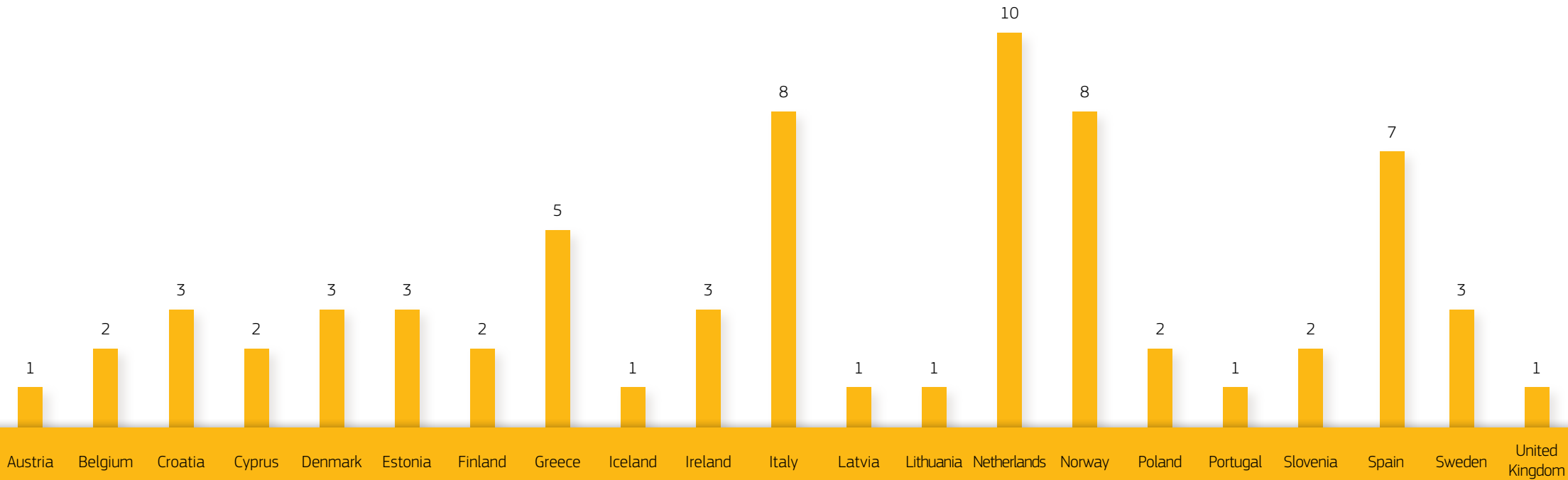The actions funded further to the 2015–2019 eInvoicing calls include:

• the uptake of eInvoicing tools, compliant with the European standard on electronic invoicing, by the public authorities (at central and local level)

• the upgrade of existing solutions (public and private) to ensure compliance with the European standard on electronic invoicing

• the implementation of innovative solutions that allow advanced eInvoicing/eProcurement functionalities using the EN to be achieved

• work on aligning the national standards with the European standard on electronic invoicing

• integration of eInvoicing solution providers with the public authorities, suppliers onboarding

• interoperability testing as well as deployment of eDelivery for the purpose of document delivery.

Member States
Number of projects and CEF funding (€ thousand)

	Number of projects	Member State	CEF funding (€ thousand)
	2	Austria	€212.2
	6	Belgium	€984.9
		Bulgaria	
	5	Croatia	€1,627.6
	2	Cyprus	€1,061.9
		Czech Republic	
	2	Denmark	€544.3
	3	Estonia	€1,747.1
	3	Finland	€266.6
	4	France	€259.6
	5	Germany	€1,147.6
	1	Greece	€604.2
	5	Hungary	€1,384.7
	9	Ireland	€3,321.9
	12	Italy	€3,620.9
	3	Latvia	€374.8
	1	Lithuania	€644.9
		Luxembourg	
	1	Malta	€193.2
	7	Netherlands	€1,226.3
	4	Poland	€415.4
	5	Portugal	€1,235.6
	1	Romania	€17.8
	3	Slovakia	€124.4
	2	Slovenia	€1,215.3
	15	Spain	€4,020.1
	3	Sweden	€419.1

EEA and Third Countries
Number of projects and CEF funding (€ thousand)

	Number of projects	Country	CEF funding (€ thousand)
	2	Iceland	€599.4
	3	Norway	€1,348.4
		Serbia	
		Switzerland	
	6	United Kingdom	€1,238.4

See also: eInvoicing Directive 2014/55/EU, CEF Digital

▶ Project example: Invoicegate.com   ▶ Project example: EURINV

eInvoicing projects support consortia of private and public stakeholders to implement the final version of the EU eInvoicing standard, or to update existing solutions. By doing so, the eInvoicing CEF Building Block supports Business to Government (B2G) and Business to Business (B2B) transactions.

Supported B2G and B2B solutions compliant with EN16931 by country*

Austria	Belgium	Croatia	Cyprus	Denmark	Estonia	Finland	Greece	Iceland	Ireland	Italy	Latvia	Lithuania	Netherlands	Norway	Poland	Portugal	Slovenia	Spain	Sweden	United Kingdom
1	2	3	2	3	3	2	5	1	3	8	1	1	10	8	2	1	2	7	3	1

* The data covers the projects closed by October 2020.

Invoicegate.com

The Action updated 3 existing eInvoicing solutions in Estonia (Arved.ee), Latvia (Rekini.lv) and Lithuania (epay.lt) to ensure compliance with the European standard.

The systems are integrated into one solution establishing connectivity and interoperability between customers in Baltic States and making cross-border business transactions much easier.

The integrated solution "Invoicegate.com" was first used for exchanging data and invoices between Baltic countries and later, expanded in at least 9 European countries.

The result is an e-invoicing self-service portal for all the market parties who need easy-to-start access to eInvoicing and EU procurement networks, in real time, both nationally and across Europe, via PEPPOL eDelivery network.

This integrated solution was promoted to service providers and end-users, especially SMEs, in the Baltic States and in other European countries where the Action will expand the service for suppliers, service providers and EU Invoicing community.

The Action developed a service with a huge potential across Europe. 5 webinars were organised in different EU countries and with an audience of 248 people in total.

See also: https://fitek.com/fitek-launches-european-e-invoice-portal-invoicegate-com/

Click to open the full project description

CALL YEAR
2018

COUNTRY(IES)
Estonia, Latvia

IMPLEMENTATION SCHEDULE
November 2018 to July 2020

TOTAL ELIGIBLE COSTS
€541,420

MAXIMUM EU CONTRIBUTION
€406,065

COORDINATOR
Fitek AS (Estonia)

Implementing the European Standard in consolidated eInvoicing cloud platforms (EURINV)

The Action supports the Electronic Data Interchange (EDI) providers of the EURINV consortium and their clients to meet the European Standard (EN).

7 consolidated EDI providers' eInvoicing cloud platforms from 7 Member States (Billit – Belgium; OpusCapita – Finland; SATA – Italy; Docuten – Spain; Calvi – Netherlands; Generix – France; Webware – Germany), have been upgraded in order to be fully compliant with the EN, including both syntaxes approved by CEN (UBL 2.1 and CII) and in order to achieve advanced eInvoicing functionalities. All these eInvoicing platforms have their own certified Access Point fully aligned with the requirements set in the eIDAS Regulation, addressing eDelivery for cross-border communication.

In addition, 2 local public entities in 2 additional Member States (Dublin Simon Community – Ireland; and Ekonomická univerzita v Bratislave – Slovakia), have adopted an eInvoicing solution compliant with the EN.

Dissemination activities among the EDI providers' clients and other stakeholders were carried out at the end of the Action's implementation to increase its impact.

The 7 eInvoicing solutions are interoperable facilitating the cross-border transactions between the 7 Member States. Therefore, the Action managed to reduce the barriers and administrative burden from thousands of end-users, who are willing to expand their businesses and reach other European markets.

See also: https://lmtgroup.eu/eurinv

Click to open the full project description

CALL YEAR
2018

COUNTRY(IES)
Belgium, Finland, France, Germany, Ireland, Italy, Netherlands, Slovakia, Spain

IMPLEMENTATION SCHEDULE
April 2019 to September 2020

TOTAL ELIGIBLE COSTS
€1,475,760

MAXIMUM EU CONTRIBUTION
€1,106,820

COORDINATOR
Universitat Politècnica de València (Spain)

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24 agreements have been signed for CEF Automated Translation building block under the 2016 – 2019 calls[1]. A total of **€21.5 million** of CEF Telecom funding has been earmarked for 24 Member States, 2 EEA countries and 1 third country, corresponding to a total cost of **€28.6 million**.
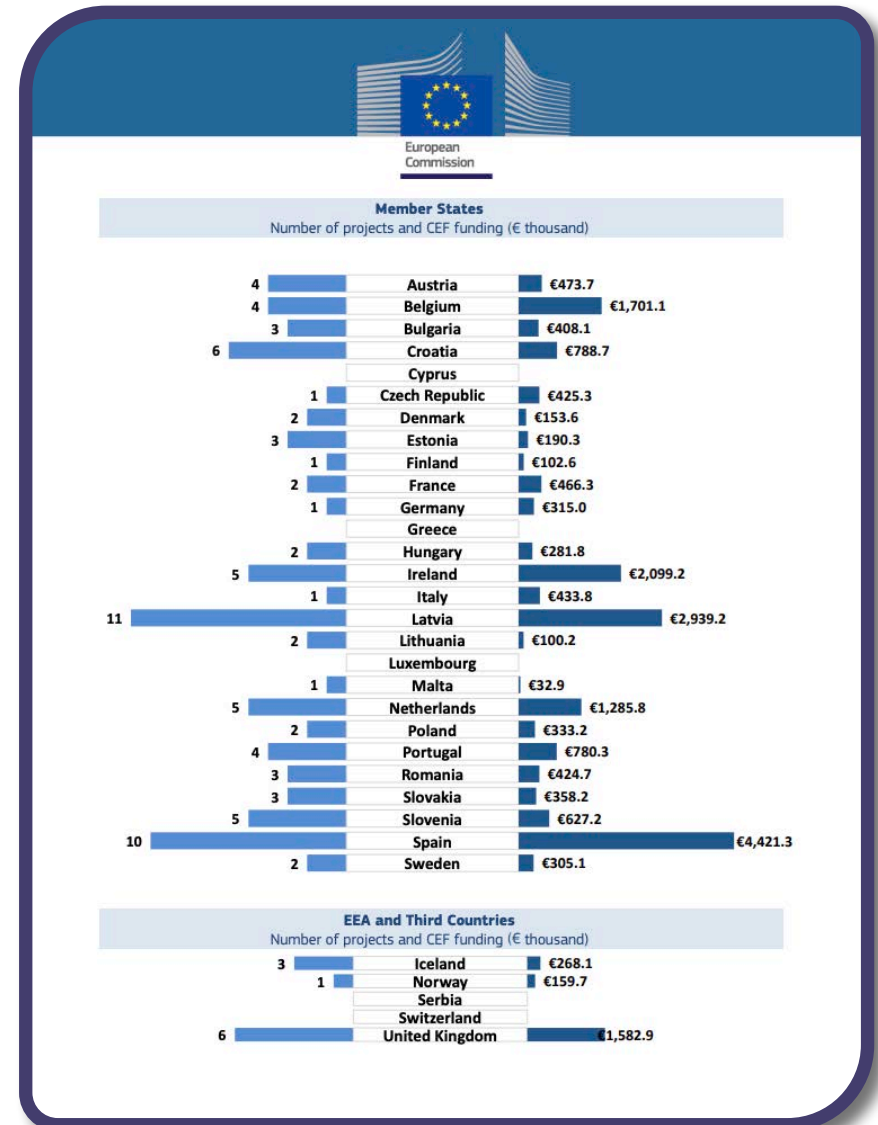
eTranslation

1   *State of play: October 2020.*

The **CEF Automated Translation building block** helps European and national public administrations exchange information across language barriers in the EU, by providing machine translation capabilities (eTranslation) that will enable all Digital Service Infrastructures (DSIs) to be multilingual.

eTranslation guarantees confidentiality and security of all translated data. Unlike general-purpose web translators, eTranslation will be adapted to specific terminology and text types typical for the usage context (e.g. tender documents, legal texts, medical terminology). eTranslation builds on the machine translation service of the European Commission (MT@EC) by scaling up the existing infrastructure in order to build a platform that is more flexible and scalable and that offers custom solutions to different online services.

The actions funded under the 2016, 2017 and 2018 calls mainly focus on 2 types of projects: language resource and/or integration projects. Language resource projects aim to stimulate language provision to CEF Automated Translation such as sharing of language resources by translation centers and public institutions in specific sectors, eg. e-Justice or eHealth. On the other hand, integration projects focus on extending CEF Automated Translation into multilingual, (cross border) digital services, by developing a scalable and secure platform that integrates the eTranslation platform with MT services used by commercial providers. The actions funded under 2019 call also focus on language tools projects to make existing language specific tools freely available, thus enabling their use in other digital public services.

See also: CEF Digital, eTranslation

▶ Project example: CEF AT for EU Presidency

▶ Project example: ELRI

‹ back   menu   forward ›

CEF Automated Translation for the EU Council Presidency

The CEF Automated Translation for the EU Council Presidency Action enabled multilingual communication at the Presidency of the Council of the EU by integrating the CEF Automated Translation platform (AT platform) into a Translation Toolkit provided to the hosting countries of the EU Presidency events in 2017-2018 and beyond.

The EU Presidency Translation Toolkit featured a full set of translation tools for enabling the use of the CEF AT platform in various digital environments – on mobile phones, on computer desktops, on the web, in the EU Council Presidency websites, and in translation productivity (CAT) tools.

To extend the use of CEF AT to additional domains and usage scenarios, the Action also developed a set of highly customized

Machine Translation (MT) engines for the EU Council Presidency domain and the official languages of the hosting countries in 2017-2018 (Estonia, Bulgaria and Austria). The Action also created highly customized MT engines in the domains of selected sector-specific DSIs, such as Cybersecurity and eHealth.

See also: https://translate2018.eu/#/text

Click to open the full project description

CALL YEAR
2016

COUNTRY(IES)
Austria, Bulgaria, Latvia

IMPLEMENTATION SCHEDULE
May 2017 to October 2018

TOTAL ELIGIBLE COSTS
€967,700

MAXIMUM EU CONTRIBUTION
€725,783

COORDINATOR
Tilde SIA (Latvia)

European Language Resource Infrastructure (ELRI)

The European Language Resource Infrastructure (ELRI) Action facilitated the provision of an infrastructure to help collect, prepare and share language resources that can in turn improve translation services. In particular, resources shared with the European Commission's Directorate-General for Translation (DGT) contribute to improve the EU automated translation services that are freely available to all public institutions.

ELRI targeted resources that are relevant to Digital Service Infrastructures and involved public institutions and public translation centres in France, Ireland, Portugal and Spain as a first step, with a future extension to additional member states as a key objective. The Action developed, tested and deployed a functional infrastructure consisting of a de-centralised network, composed of independent National Relay Stations in France, Ireland, Portugal and Spain.

Each National Relay Station facilitates the collection of language resources from public institutions joining the network, providing them with fully automated data processing services that allow the efficient creation of useful resources from raw data, such as translation memories from multilingual documents. The prepared resources can then be used to optimise translation services, provided either by professional human translators or by automated translation systems such as eTranslation.

See also: http://www.elri-project.eu/

Click to open the full project description

CALL YEAR

2016

COUNTRY(IES)

France, Ireland, Portugal, Spain

IMPLEMENTATION SCHEDULE

October 2017 to September 2019

TOTAL ELIGIBLE COSTS

€1,560,000

MAXIMUM EU CONTRIBUTION

€1,173,610

COORDINATOR

Fundación centro de tecnologías de interacción visual y comunicaciones (Spain)

Business Registers Interconnection System (BRIS)

12 agreements have been signed for the BRIS DSI under the 2016 and 2017 calls[1]. A total of **€1.9 million** of CEF Telecom funding has been earmarked for 9 Member States and 1 EEA country, corresponding to a total cost of **€2.5 million**.

1   *State of play: October 2020.*

The **Business Registers Interconnection System (BRIS)** is an information system interconnecting the central, commercial and companies registers (business registers) of all Member States through the European Central Platform (ECP).
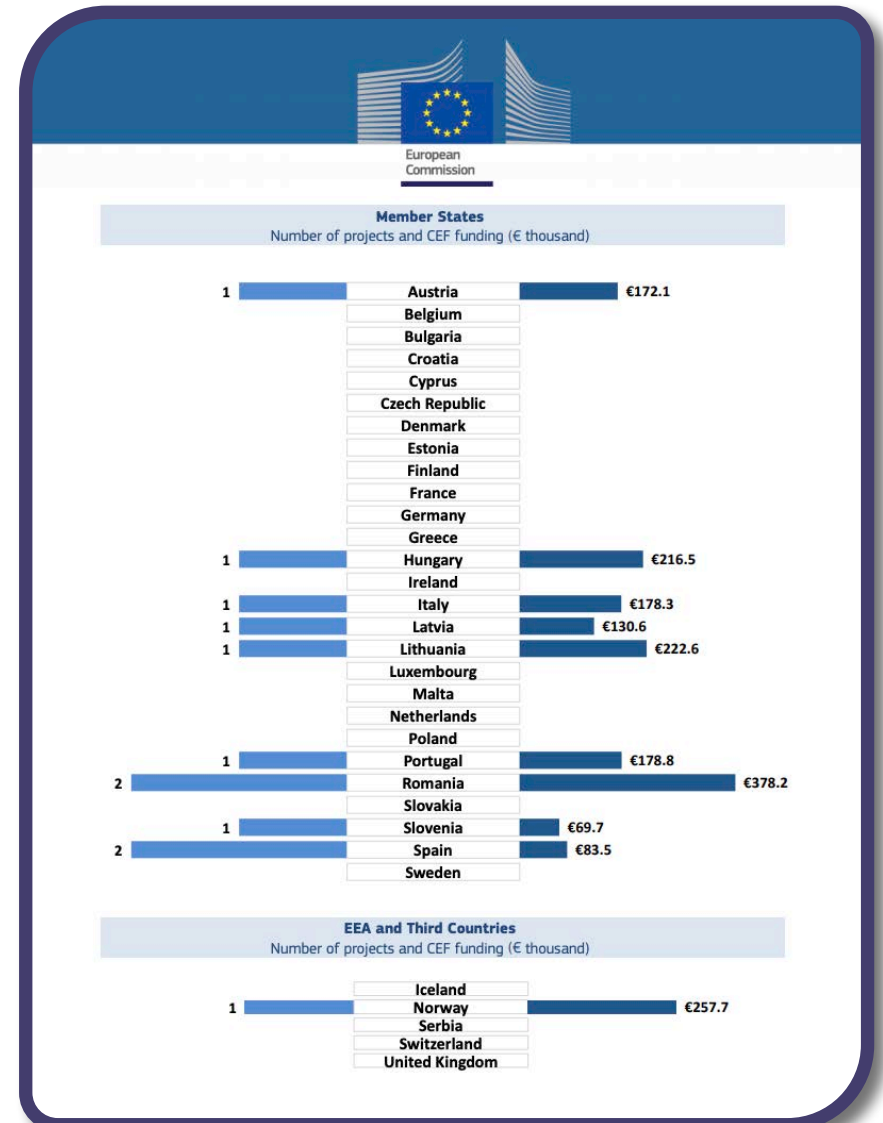
The interconnection includes the e-Justice portal, which serves as European electronic access point providing transparent and up-to-date information on EU companies to the wider public, thereby enhancing confidence in the single market. Moreover, it enables EU business registers to communicate with each other in a safe, secure and rapid manner and to exchange data regarding cross-border mergers and branches located in other EU Member States. As a result, the administrative burden on public organisations and EU companies will be minimized substantially.

The calls under BRIS have evolved from targeting interconnectivity to the maintenance and update of the interconnection achieved in previous actions.

See also: CEF Digital, BRIS

▶ Project example: Romanian Electronic System for interconnection of National Trade Register Office with BRIS

▶ Project example: Connecting Portuguese SIRCOM with BRIS

Romanian Electronic System for interconnection of National Trade Register Office with BRIS

The Action successfully developed a gateway system that permits data exchange between the National Trade Register Office of Romania and the BRIS European Central Platform.

The Action developed and installed a new system that used the existing set of data from the National Trade Register Office database system. In this way, the existing system's performance and security was not affected.

The Action granted cross-border access to business information in accordance with EU legislation and allowed Romania to share business information across borders within the EU in a fast and secure way.

CALL YEAR
2016

COUNTRY(IES)
Romania

IMPLEMENTATION SCHEDULE
March 2017 to December 2018

TOTAL ELIGIBLE COSTS
€443,000

MAXIMUM EU CONTRIBUTION
€332,221

COORDINATOR
OFICIUL NATIONAL AL REGISTRULUI COMERTULUI (Romania)

Click to open the full project description

Connecting Portuguese SIRCOM to BRIS

This Action connected the Portuguese National Business Registry Application – SIRCOM – to the BRIS Core Service Platform and the e-Justice portal.

Through that connection, Portugal is now able to provide free access to any company's basic information and to precise information on cross border mergers.

Moreover, communications between parent companies and branches are easier, as the company's register service supplies information about the opening or closing of any insolvency or liquidation procedures directly to the Core Service Platform. In addition, through the re-use of CEF eDelivery building block, interoperable, secure and reliable exchange of data and documents are ensured.

Click to open the full project description

CALL YEAR
2017

COUNTRY(IES)
Portugal

IMPLEMENTATION SCHEDULE
March 2018 to February 2020

TOTAL ELIGIBLE COSTS
€238,427

MAXIMUM EU CONTRIBUTION
€178,820

COORDINATOR
Institute of Registries and Notary (Portugal)

78 agreements have been signed for Cybersecurity DSI under the 2016
– 2019 calls[1]. A total of **€36.5 million** of CEF Telecom funding has been
earmarked for 25 Member States and 1 EEA country, corresponding to a
total cost of **€52.6 million**.

Cybersecurity

1   *State of play: October 2020.*

The **Cybersecurity Digital Service Infrastructure (DSI)** contributes to the EU preparedness to deal with cyber threats by facilitating the implementation of the EU Cybersecurity strategy. The funding increases the cybersecurity capabilities and the cooperation of key European cybersecurity players, in particular, but not only, those addressed by the Directive on security of network and information systems (NIS Directive, 2016/1148) and the Cybersecurity Act (Regulation (EU) 2019/881).

These are operators of essential services (OESs), single points of contact (SPOCs), national competent authorities (NCAs), as well as National Cybersecurity Certification Authorities (NCCAs) and national Computer Security Incident Response Teams (CSIRTs).

As a result of the funding received, OESs are boosting their own internal cybersecurity capabilities and engage with relevant

Information Sharing and Analysis Centres (ISAC) involving industry peers and public authorities. National bodies mainly focus on the take-up of the obligations deriving by European legislation. For example, they exchange best practices, train their staff and set-up incident reporting mechanisms. CSIRTs are expanding their capacities to run cybersecurity services and to co-operate across borders. Such cooperation is further facilitated by MeliCERTes, a platform set up by the European Commission with a common set of tools for information sharing and maturity development for CSIRTs.

In the future, more trans-national cooperation will be supported, together with a broader set of activities related to Cybersecurity certification.
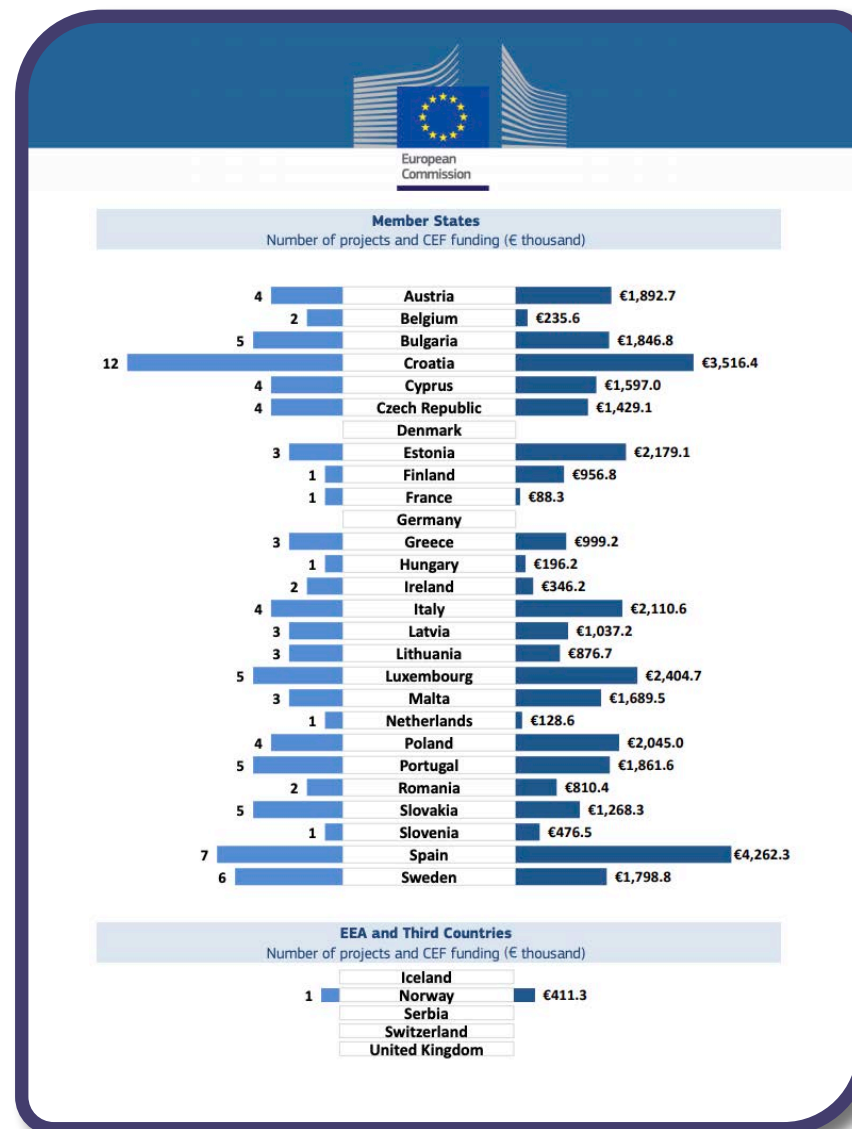
See also: EU Cybersecurity strategy

▶ Project example: B4C   ▶ Project example: ITAIR ISAC

Supported CSIRTs by country*

The Directive on security of network and information systems (NIS Directive) mandates Member States to set-up Computer Security Incident Response Teams (CSIRTs), providing services to handle cybersecurity incidents to their constituents such as private companies, public administrations and citizens.

So far governmental/national CSIRTs in 9 Member States received funding to increase their capacities, for example through trainings and acquisition of specialised tools.*

* The data covers the projects closed by October 2020.

B4C – Building up the Cybersecurity Certification Capabilities of Cyprus

The project improves the capabilities of the Digital Security Authority (DSA) of the Republic of Cyprus in order to act as the national cybersecurity certification authority (NCCA), in line with Regulation (EU) 2019/881 ("Cybersecurity Act").

The project supports the definition of technical and organisational requirements covering the entire certification process from beginning to end, as well as interactions among relevant stakeholders – the NCCA, the National Accreditation Body (NAB), Conformity Assessment Bodies (CABs) and certification seekers. It will result in the development of pilot certifications at the basic and substantial assurance levels with the use of the EU Common Criteria Certification Scheme ("EU CC Scheme")

and the Eurosmart candidate cybersecurity certification scheme, and several support activities.

The project partners will also exchange best practices with established certification authorities and conformity assessment bodies in the EU through dedicated study visits.

Last but not least, the Digital Security Authority will also contribute to activities and working groups of the European Cybersecurity Certification Group established in line with the EU Cybersecurity Act.

Click to open the full project description

CALL YEAR
2019

COUNTRY(IES)
Cyprus, France

IMPLEMENTATION SCHEDULE
July 2020 to December 2021

TOTAL ELIGIBLE COSTS
€119,974

MAXIMUM EU CONTRIBUTION
€159,965

COORDINATOR
Archi Psifiakis Asfaleias / Digital Security Authority (Cyprus)

ITAIR ISAC – Italian Airports ISAC

The project will increase the cyber capabilities and preparedness of the Italian Aviation Sector through the creation of an Information Sharing and Analysis Centre (ITAIR ISAC). The ISAC will act as a focal point and will allow two-way sharing of information between the private and the public sector about root causes, incidents and threats, as well as sharing experience, knowledge and analysis. The ISAC's goals consist in:

- facilitating sharing of timely and actionable information pertaining to threats, vulnerabilities, incidents, protective measures and practices;

- fostering cooperation and communication among members that offers the mutual benefit of using a secure trust network;

- researching and analysing information received to validate accuracy and severity of threats and recommend appropriate actions;

- disseminating insights into threat and mitigation strategies using secure and effective methods;

- enabling development of professional and trusted relationships among peers and subject matter experts to protect the aviation industry;

- providing best practices and educational awareness.

Click to open the full project description

CALL YEAR
2019

COUNTRY(IES)
Italy

IMPLEMENTATION SCHEDULE
September 2020 to August 2022

TOTAL ELIGIBLE COSTS
€744,300

MAXIMUM EU CONTRIBUTION
€558,225

COORDINATOR
ASSAEROPORTI – ASSOCIAZIONE ITALIANA GESTORI AEROPORTI (Italy)

Electronic Exchange of Social Security Information (EESSI)

35 agreements have been signed for EESSI actions under the 2016 and 2017 calls[1]. A total of **€38 million** of CEF Telecom funding has been earmarked for 26 Member States, 1 EEA country and 1 third country, corresponding to a total cost of **€53.3 million**.

1 *State of play: October 2020.*

Electronic Exchange of Social Security Information (EESSI) is a digital service infrastructure (DSI) which improves the cross-border communication between the social security institutions across the EU, as required by the EU rules on social security coordination.
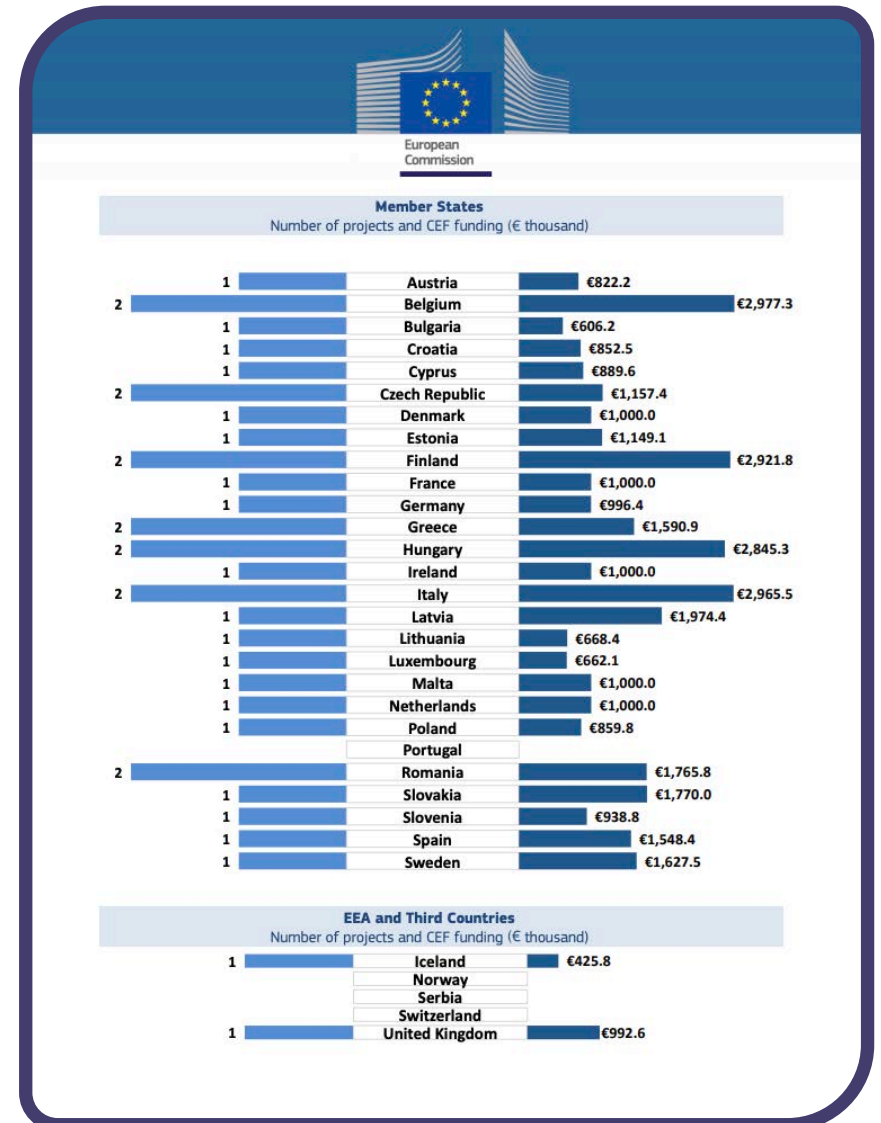
The EESSI electronic communication (Core) platform allows national social security administrations to benefit from a secure, efficient, accurate and standardised data exchange in cross-border social security coordination cases. The exchanged information covers all branches of social security. An enhanced and more effective communication process will reduce administrative burden and the duration of case handling. Moreover, EU residents living, working or travelling in another EU country will benefit from a strengthened protection of their social security rights through a faster management of their applications and faster calculation and payment of their benefits. The implementing Regulation (EC) No 987/2009 states clearly that the electronic exchange of social security information is a key element in establishing a closer and more effective cooperation between social security institutions.

Actions supported under the 2016 and 2017 calls aim to facilitate the connection of national systems to the EESSI platform and ensure interoperability and communication, as well as the business implementation of the EESSI project.

European Commission

Member States
Number of projects and CEF funding (€ thousand)

	Number of projects	Country	CEF funding (€ thousand)
1		Austria	€822.2
2		Belgium	€2,977.3
1		Bulgaria	€606.2
1		Croatia	€852.5
1		Cyprus	€889.6
2		Czech Republic	€1,157.4
1		Denmark	€1,000.0
1		Estonia	€1,149.1
2		Finland	€2,921.8
1		France	€1,000.0
1		Germany	€996.4
2		Greece	€1,590.9
2		Hungary	€2,845.3
1		Ireland	€1,000.0
2		Italy	€2,965.5
1		Latvia	€1,974.4
1		Lithuania	€668.4
1		Luxembourg	€662.1
1		Malta	€1,000.0
1		Netherlands	€1,000.0
1		Poland	€859.8
		Portugal	
2		Romania	€1,765.8
1		Slovakia	€1,770.0
1		Slovenia	€938.8
1		Spain	€1,548.4
1		Sweden	€1,627.5

EEA and Third Countries
Number of projects and CEF funding (€ thousand)

	Number of projects	Country	CEF funding (€ thousand)
1		Iceland	€425.8
		Norway	
		Serbia	
		Switzerland	
1		United Kingdom	€992.6

See also: EU regulations on social security coordination, EU Policy, CEF Digital
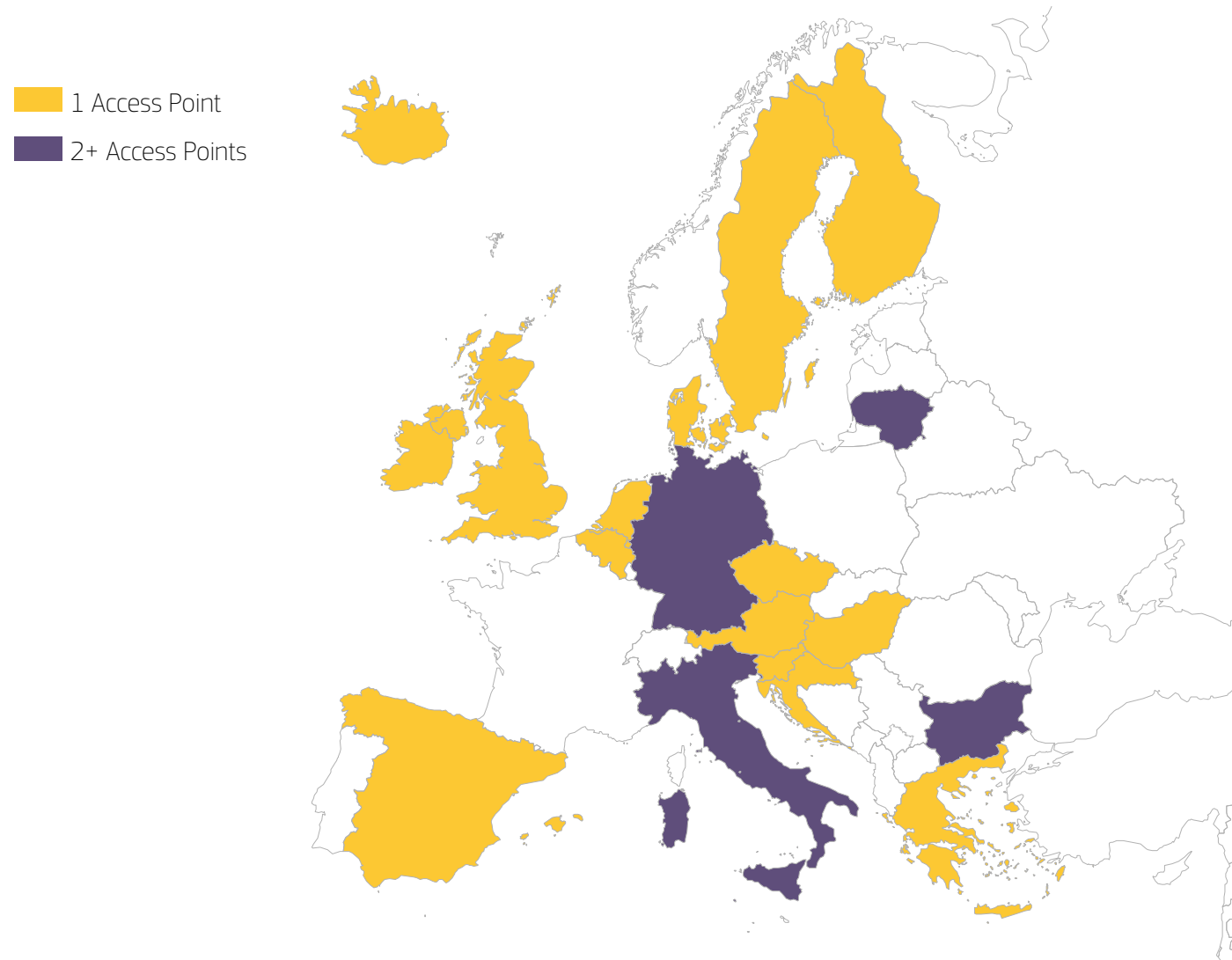
▶ Project example: Establishment of electronic exchange of social security information between Bulgaria and EU

▶ Project example: National Implementation of EESSI in Iceland

The EESSI DSI consists of a messaging and information transmission platform composed of a Central Service Node maintained by the European Commission, access points and the Reference Implementation of a National Application (RINA). The access points offer the basis of reliable and secure transport and messaging between Member States as well as an intelligent routing feature allowing the messages to reach the right destination.

Until now 55 Social Security Institutions, which received CEF Telecom funding, across 18 countries, can share social security information.*

Supported access points by country*

1 Access Point

2+ Access Points

* The data covers the projects closed by October 2020.

Establishment of electronic exchange of social security information between Bulgaria and EU

The Action contributed to the implementation of the Electronic Exchange of Social Security Information (EESSI) in Bulgaria. It achieved:

1. Transition to effective exchange of electronic data and gradual replacement of the paper procedures – by further development of the national systems;

2. Significant increase of the efficiency of social security coordination – by installation of the Reference Implementation of National Application (RINA);

3. Compliance with the provisions of EU Social Security Regulations.

In addition to deploying the EESSI IT systems, the beneficiaries trained their IT support teams and users of the systems.

Swift access to competent institutions in the EU Member States enables the staff members of the beneficiaries to reach the required information and deliver opinions/decisions on the requested compensations over considerable shorter periods and with the least possible steps, which results, inter alia, in citizens' satisfaction with the services provided.

The administrative burden and the cost of administering the exchange in the domain of social security are both reduced. Large volumes of electronic information exchanges are expected with Germany, Austria, Spain, Italy, UK and Greece.

Click to open the full project description

CALL YEAR
2019

COUNTRY(IES)
Bulgaria

IMPLEMENTATION SCHEDULE
October 2016 to November 2019

TOTAL ELIGIBLE COSTS
€808,300

MAXIMUM EU CONTRIBUTION
€606,205

COORDINATOR
National Revenue Agency (Bulgaria)

National Implementation of EESSI in Iceland

The main objective of the Action was to prepare, implement and connect national systems in Iceland to the central EESSI system (Core platform), which together form the EESSI Digital Service Infrastructure (DSI). This entailed adapting benefit systems and business processes in the participating institutions. The Action included:

1. Installation and configuration of the EESSI Access Point;

2. Installation and configuration of the Reference Implementation of a National Application (RINA) in the national domain for EESSI-related uses;

3. Integration between the Access Point and RINA;

4. Training to enable use of EESSI processes and RINA.

Four social security organisations in Iceland can now benefit from the EESSI system, i.e. about 40-50 clerks. The majority of electronic exchanges will be with Denmark, Norway, Sweden and Poland. Electronic communication between competent institutions leads to more accurate and more secure public services compared to the paper exchange. For mobile European citizens going to and from Iceland the Action translates into less administrative burden, better and quicker access to public services with faster management of claims, calculation and payment of benefits.

Click to open the full project description

CALL YEAR
2016

COUNTRY(IES)
Iceland

IMPLEMENTATION SCHEDULE
January 2017 to June 2019

TOTAL ELIGIBLE COSTS
€567,800

MAXIMUM EU CONTRIBUTION
€425,829

COORDINATOR
Social Insurance Administration (Tryggingastofnun ríkisins) (Iceland)

93 agreements have been signed for the eHealth DSI under the 2015 – 2019 calls[1]. A total of **€27 million** of CEF Telecom funding has been earmarked for 26 Member States, 1 EEA country and 1 third country, corresponding to a total cost of **€36 million**.

eHealth

1   *State of play: October 2020.*

The **CEF eHealth Digital Service Infrastructure (eHDSI)** facilitates the movement of health data across national borders, ensuring the continuity of care and the safety of citizens seeking healthcare outside their home country, and enabling the pooling of EU-wide medical expertise to treat rare diseases.

The actions supported by the eHDSI aim at setting up the necessary Member State infrastructure for such data exchange. They also support infrastructures enabling sustainable patient access to highly specialised care. Moreover, they ultimately contribute to the Digital Single Market through the provision of EU-wide interoperable eHealth services, thus boosting competiveness and supporting an inclusive e-society.

The objective of the 2015, 2017 and 2019 CEF Telecom eHealth calls was the set-up and operation of National Contact Points

for eHealth (NCPeH) for the exchange of health data and the provision of cross-border ePrescription/eDispensation and Patient Summary services. Several NCPeHs were successfully set up and the first Member States started exchanging health data in early 2019.

The 2017 and 2018 CEF Telecom eHealth call extended the financial support to the European Reference Networks (ERNs), with the objective to connect designated healthcare providers and centres of medical expertise in different Member States in the area of rare, low prevalence and complex disease and conditions. With the support of the CEF eHDSI, the networks established digital collaborative platforms and clinical patient management systems enabling medical experts from all over the EU to accelerate diagnosis and improve treatments of rare diseases affecting EU citizens.
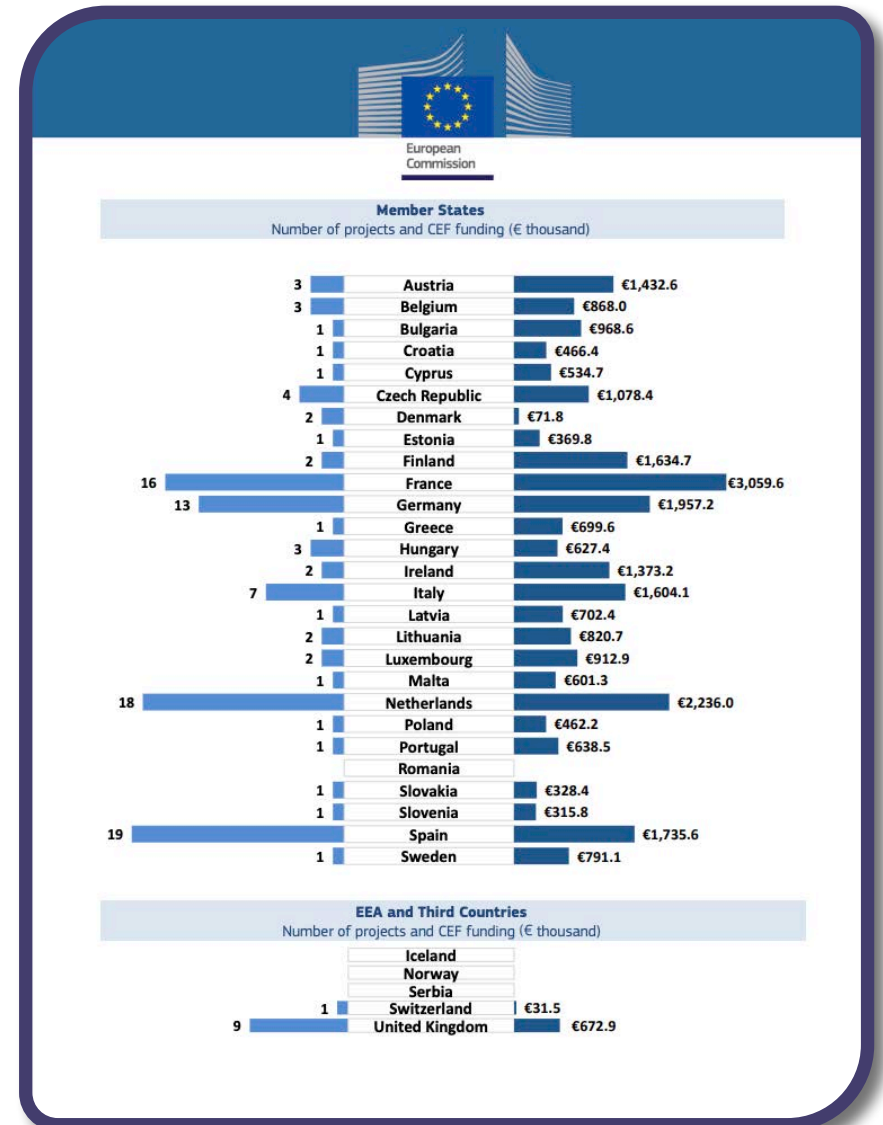
See also: Cross-Border Healthcare Directive, European Reference Networks, Digital Single Market, Connecting Europe Facility, CEF Digital

▶ Project example: Cross-border ePrescription/ eDispensation and Patient Summary services
▶ Project example: European Reference Networks

Member States
Number of projects and CEF funding (€ thousand)

Projects	Member State	CEF funding
3	Austria	€1,432.6
3	Belgium	€868.0
1	Bulgaria	€968.6
1	Croatia	€466.4
1	Cyprus	€534.7
4	Czech Republic	€1,078.4
2	Denmark	€71.8
1	Estonia	€369.8
2	Finland	€1,634.7
16	France	€3,059.6
13	Germany	€1,957.2
1	Greece	€699.6
3	Hungary	€627.4
2	Ireland	€1,373.2
7	Italy	€1,604.1
1	Latvia	€702.4
2	Lithuania	€820.7
2	Luxembourg	€912.9
1	Malta	€601.3
18	Netherlands	€2,236.0
1	Poland	€462.2
1	Portugal	€638.5
	Romania	
1	Slovakia	€328.4
1	Slovenia	€315.8
19	Spain	€1,735.6
1	Sweden	€791.1

EEA and Third Countries
Number of projects and CEF funding (€ thousand)

Projects	Country	CEF funding
	Iceland	
	Norway	
	Serbia	
1	Switzerland	€31.5
9	United Kingdom	€672.9

Cross-border ePrescription/ eDispensation and Patient Summary services

European Reference Networks

Cross-border ePrescription/ eDispensation (eP) service will allow a patient who is abroad to receive the equivalent medication that he/she would receive in his/her home country.

The Patient Summary (PS) services will provide a health professional access to the verified key health data of a patient needing unplanned cross-border healthcare.

The objective of the 46 PS and eP actions funded under the 2015, 2017 and 2019 eHealth calls is to support

Member States in establishing the National Contact Points for eHealth (NCPeH). This is the necessary IT component, based on the so-called OpenNCP software, for being part of the secure peer-to-peer network allowing the patients' data exchange for the purpose of PS and eP services. The Core Service Platform for eP and PS provides the maintenance, evolution, operation, change management of OpenNCP software and supports Member States in the implementation of the NCPeH.

European Reference Networks (ERN) are virtual networks bringing together healthcare providers and centres of expertise across Europe to tackle complex or rare medical conditions that require specialised treatment and a concentration of knowledge and resources. In 2017, over 900 highly specialised medical teams joined forces within 24 ERNs.

The goal of the 24 ERN actions funded under the 2017 eHealth CEF call is to ensure adequate and efficient use of the ERN Core Services, i.e. the Clinical Patient Management System (CPMS) and

ERN Collaborative Platform (ECP), by the members of the ERNs. While the ECP supports users in their administrative and collaboration tasks, the CPMS focuses on the actual diagnosis and treatment for patients by providing tools for cooperation and virtual consultations. In 2018 CEF funding has been extended to support the provision of eLearning/ eTraining facilities for healthcare professionals, the implementation of data sets for disease-specific adaption of the CPMS and the maintenance of the ERN Core Services.

30 agreements have been signed for the eProcurement DSI under the 2015 – 2019 calls[1]. A total of **€10.8 million** of CEF Telecom funding has been earmarked for 17 Member States, 2 EEA countries and 1 third country, corresponding to a total cost of **€14.4 million**.

1   *State of play: October 2020.*

eProcurement

The **CEF eProcurement Digital Service Infrastructure (DSI)** supports Member States to implement electronic procurement, by simplifying public procurement procedures and fostering cross-border interoperability in line with the new EU directives (Directives 2014/24/EU, 2014/25/EU and 2014/23/EU).
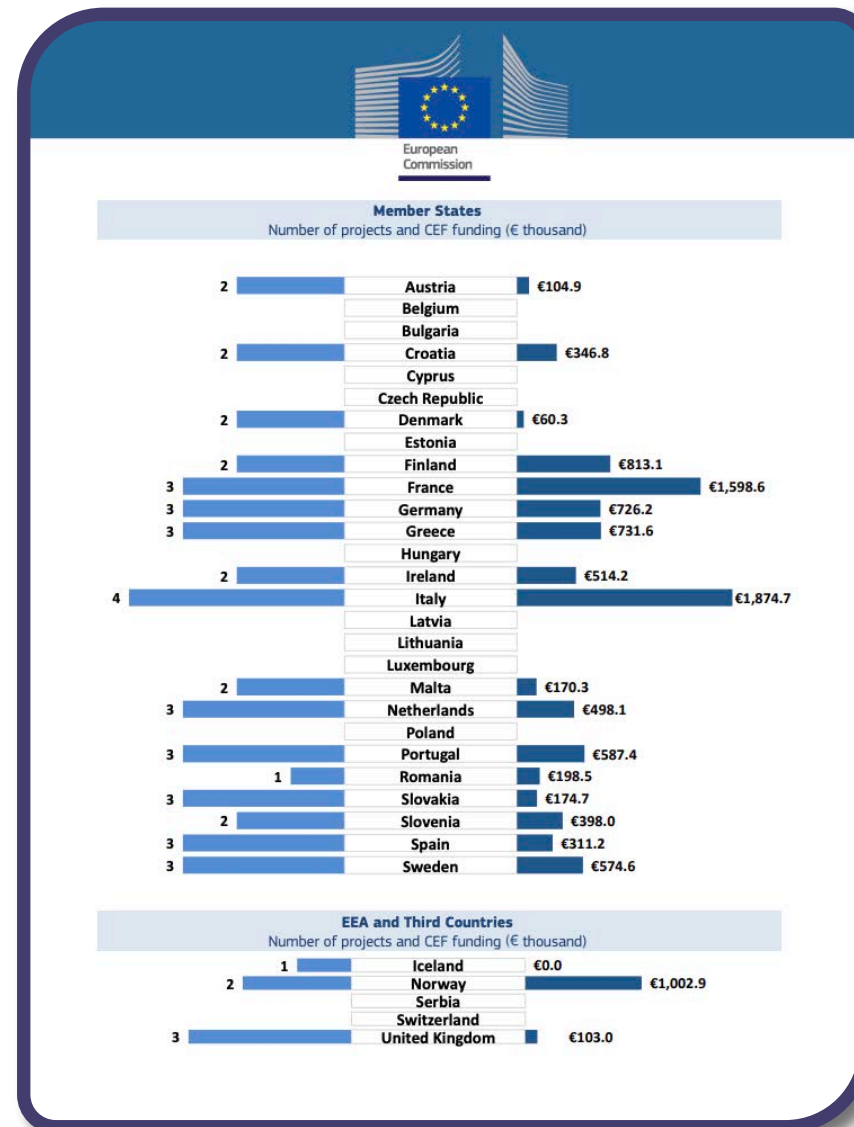
The actions funded further to the 2015–2019 eProcurement calls include the implementation of a "customised" European Single Procurement Document (ESPD) into existing software solutions to facilitate the SMEs' participation in public procurement procedures and the connection to the eCertis mapping tool of certifications and attestations; the implementation of the eTendering interface, to enable private companies and contracting authorities to make their eProcurement systems interoperable; the implementation of contract registers to provide more structured information about procurement procedures to achieve more transparency; and the implementation of solutions interconnecting national notice publication portals and TED to make it easier for companies, in particular SMEs, to find potential business opportunities abroad.

Actions supported have a common goal of enabling interoperability, which will contribute to reducing bureaucracy, improving efficiency and increasing transparency in public procurement. Moreover, they are intended to ultimately contribute to the achievement of the Once-Only Principle and of the Digital Single Market (DSM).

European Commission

Member States
Number of projects and CEF funding (€ thousand)

Number of projects	Member State	CEF funding (€ thousand)
2	Austria	€104.9
	Belgium	
	Bulgaria	
2	Croatia	€346.8
	Cyprus	
	Czech Republic	
2	Denmark	€60.3
	Estonia	
2	Finland	€813.1
3	France	€1,598.6
3	Germany	€726.2
3	Greece	€731.6
	Hungary	
2	Ireland	€514.2
4	Italy	€1,874.7
	Latvia	
	Lithuania	
	Luxembourg	
2	Malta	€170.3
3	Netherlands	€498.1
	Poland	
3	Portugal	€587.4
1	Romania	€198.5
3	Slovakia	€174.7
2	Slovenia	€398.0
3	Spain	€311.2
3	Sweden	€574.6

EEA and Third Countries
Number of projects and CEF funding (€ thousand)

Number of projects	Country	CEF funding (€ thousand)
1	Iceland	€0.0
2	Norway	€1,002.9
	Serbia	
	Switzerland	
3	United Kingdom	€103.0

See also: Digital Single Market, EU Procurement Directives, Connecting Europe Facility, CEF Digital

▶ Project example: Implementation of the eTendering Interface, ESPD and eCertis services

▶ Project example: INTERPLAT

Digital Service Infrastructures

The ESPD is a standardised self-declaration form that companies can submit to participate in the first phase of procurement procedures instead of sending the whole documentation.

eCertis is a mapping tool that helps public buyers and bidders identify certificates and attestations requested as evidence of eligibility in procurement procedures across all EU countries.

Supported eCertis and ESPD services*
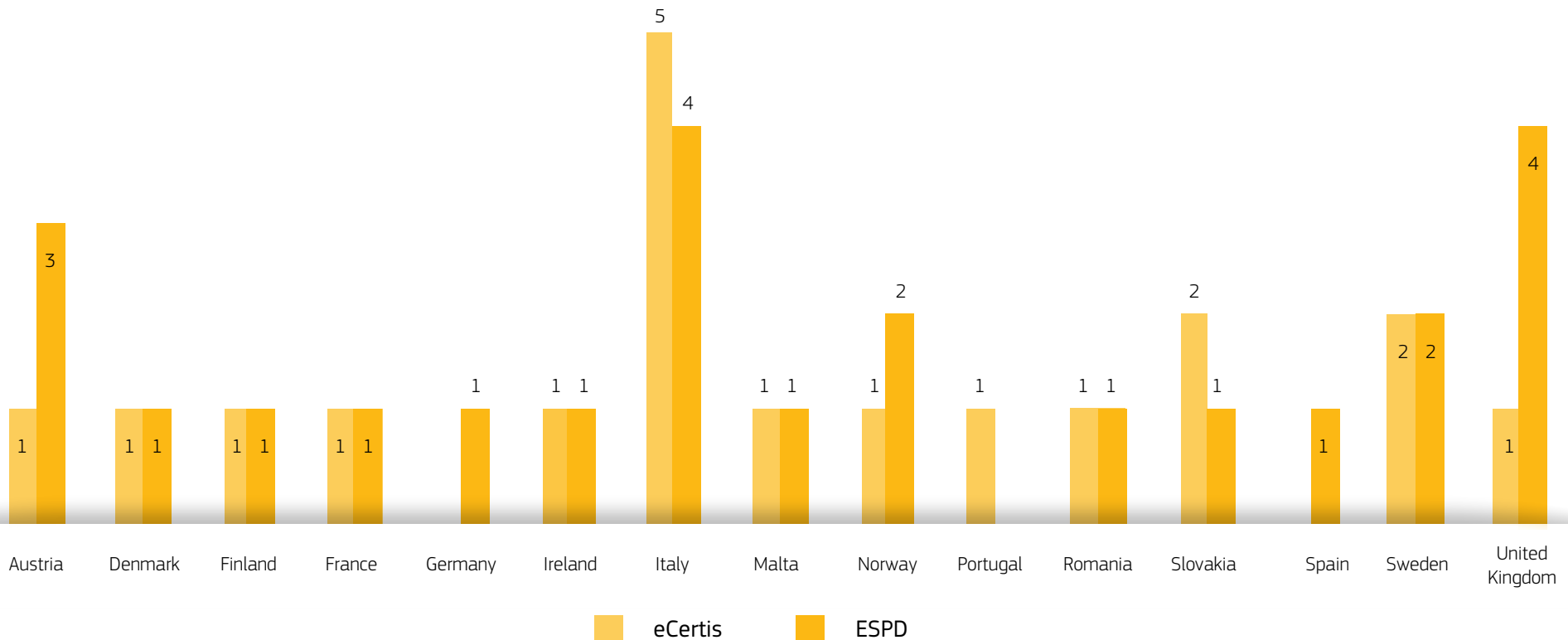
eCertis   ESPD

* The data covers the projects closed by October 2020.

Implementation of the eTendering Interface, ESPD and eCertis services

The Action implemented the eTendering interface into four existing tendering/eProcurement platforms, using 4 Access Points (APs) compliant with eSens profiles and specifications, in particular:

- Beneficiaries Visma, Amesto, EU Supply and Pixelware set up Access Points in the OpenPEPPOL community for sending and receiving eTendering documents within the EU.

- Beneficiaries Difi, Visma and Amesto worked together with Open PEPPOL to contribute to the adaptation of the PEPPOL transport infrastructure agreement (TIA).

- Beneficiaries Visma, Amesto, EU Supply, Pixelware and Diputación de Bizkaia (DFB) integrated eTendering documents according to PEPPOL specifications and local specifications for Norway and/or Spain and Sweden.

The Action worked on use case scenarios through eDelivery to demonstrate the interoperability of eTendering platforms in the pre-award procurement phase.

Therefore, the Action further ensured full compliance to the EU Directives on public procurement (2014/25/EU and 2014/24/EU) and the CEF eProcurement DSI.

The Action succeeded to implement interoperable solutions among different Member States (SE/NO/ES) and to contribute to the update of the PEPPOL transport infrastructure agreement (TIA), which form the technical and legal basis for interoperability. The consortium is very active in the PEPPOL community facilitating the cross-border transactions.

CALL YEAR
2017

COUNTRY(IES)
Norway, Spain, Sweden

IMPLEMENTATION SCHEDULE
January 2018 to October 2019

TOTAL ELIGIBLE COSTS
€1,650,131

MAXIMUM EU CONTRIBUTION
€1,237,598

COORDINATOR
DIGITALISERINGSDIREKTORATET (Norway)

Click to open the full project description

INTERPLAT – Public Procurement Interoperability

The Action implemented the eTendering interface into the existing software solutions of tendering platforms in order to allow the interoperability between eProcurement systems during the pre-award phase. In particular, the Action:

- Upgraded the Portuguese Vortal tendering platform to be connected to the European network for Tendering systems using eDelivery mechanism;

- Upgraded the German Bescha's e-Vergabe tendering system to be connected to the European network for Tendering systems using eDelivery mechanism;

- Upgraded the Dutch TenderNed eTendering system to be connected to the European network for Tendering systems using eDelivery mechanism.

The Action implemented several use cases which use eDelivery to provide platform-to-platform interoperability covering eTendering interface and European Single Procurement Document/Virtual Company Dossier (ESPD/VCD) for an end-to-end approach to pre-award procurement.

Moreover, the Action defined a business and governance model for interoperability among platforms and will carry out interoperability testing with other CEF consortia or market implementers.

The Action resulted in removing or even breaking market barriers for suppliers to engage in cross border public procurement and for buyers to reach a larger market with their procurements, creating higher value for the end user community and reaching a wide market acceptance. It is noted that VORTAL manages a community of over 300.000 suppliers from 40 different countries and INTERPLAT started to change the considerable effort of those suppliers seeking cross-border commerce.

Click to open the full project description

CALL YEAR
2017

COUNTRY(IES)
Germany, Netherlands, Portugal

IMPLEMENTATION SCHEDULE
April 2018 to December 2019

TOTAL ELIGIBLE COSTS
€1,060,000

MAXIMUM EU CONTRIBUTION
€794,803

COORDINATOR
Vortal Comércio Electrónico Consultadoria e Multimedia S.A. (Portugal)

22 agreements have been signed for the European e-Justice Portal DSI under the 2016 – 2019 calls[1]. A total of €8.5 million of CEF Telecom funding has been earmarked for 26 Member States and 1 third country, corresponding to a total cost of €11.5 million.

European e-Justice

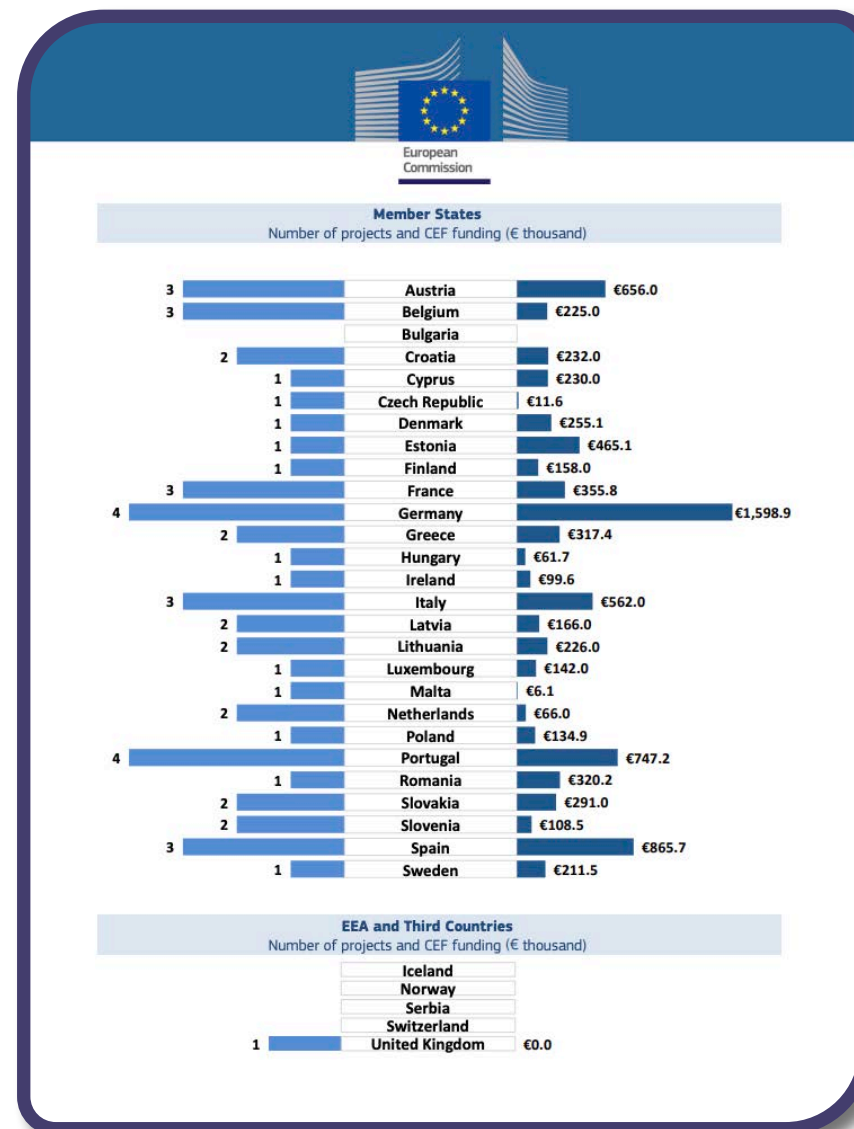1   *State of play: October 2020.*

The **European e-Justice** is conceived as an electronic one-stop-shop in the area of justice. Its objective is to contribute to the creation of a European judicial area by leveraging ICT to facilitate access to justice and enable electronic cross-border judicial proceedings and judicial cooperation.

The actions funded under the 2016, 2017, 2018 and 2019 CEF Telecom e-Justice calls aim to encourage interconnectivity (development, deployment, testing and operation) of generic services in EU Member States to allow the modules to serve a greater audience and thus better fulfil their public function. These modules include: Interconnection of national Insolvency Registers, Find a lawyer / Find a notary, the European Case Law Identifier (ECLI), access to e-CODEX, the European Court Database, e-Evidence and the integration of multilingual standard forms.

European Commission

Member States
Number of projects and CEF funding (€ thousand)

Projects	Country	CEF funding
3	Austria	€656.0
3	Belgium	€225.0
	Bulgaria	
2	Croatia	€232.0
1	Cyprus	€230.0
1	Czech Republic	€11.6
1	Denmark	€255.1
1	Estonia	€465.1
1	Finland	€158.0
3	France	€355.8
4	Germany	€1,598.9
2	Greece	€317.4
1	Hungary	€61.7
1	Ireland	€99.6
3	Italy	€562.0
2	Latvia	€166.0
2	Lithuania	€226.0
1	Luxembourg	€142.0
1	Malta	€6.1
2	Netherlands	€66.0
1	Poland	€134.9
4	Portugal	€747.2
1	Romania	€320.2
2	Slovakia	€291.0
2	Slovenia	€108.5
3	Spain	€865.7
1	Sweden	€211.5

EEA and Third Countries
Number of projects and CEF funding (€ thousand)

Projects	Country	CEF funding
	Iceland	
	Norway	
	Serbia	
	Switzerland	
1	United Kingdom	€0.0

See also: CEF Digital, e-Justice

▶ Project example: e-Codex national infrastructure adaptations and development

▶ Project example: Interconnection of Insolvency Registers in Cyprus

e-Codex national infrastructure adaptations and development

This Action aimed at enabling the Spanish judiciary bodies to exchange judicial documents with their counterparts in the EU by using the existing e-CODEX solution.

The Action increased the capability of Spanish Prosecutors to collaborate across borders with their European counterparts in other Member States. In particular, it enabled the General State Prosecutor's Office and the Public Prosecutor's offices throughout the country to digitally manage the entire process of European Investigation Orders (EIOs), including the exchange with their European counterparts in other Member States.

This improvement provides greater agility to the procedure of EIO, especially thanks to the significant reduction of delivery and reception times and a more effective exploitation of information. This guarantees that European Union law is fully and coherently applied, contributing to the construction of a European Justice area without borders.

The effectiveness in the execution of the EIO provides a reduction of the costs for citizens, companies and the Administrations affected by these procedures and increased legal security.

Click to open the full project description

CALL YEAR

2017

COUNTRY(IES)

Spain

IMPLEMENTATION SCHEDULE

March 2018 to May 2020

TOTAL ELIGIBLE COSTS

€786,860

MAXIMUM EU CONTRIBUTION

€590,145

COORDINATOR

SECRETARÍA GENERAL DE LA ADMINISTRACIÓN DE JUSTICIA (SECRETARIAT GENERAL OF JUSTICE ADMINISTRATION) (Spain)

Interconnection of Insolvency Registers in Cyprus

This Action developed a Webservice that will allow the Interconnection of the National Insolvency Registry of Cyprus with the European e-Justice, in accordance with the defined interface specification of agreed web services for Interconnection of Insolvency Registers (IRI) relating to EU Regulation 2015/848.

The Action improved the provision of relevant and timely information, in a transparent way, to creditors and courts, and prevented the opening of parallel insolvency proceedings. It contributed to the development of a system of national electronically searchable databases linked together through the European e-Justice portal, accessible by every EU Member State (MS). It enabled digital interaction between public authorities and citizens, public authorities, businesses and organisations, and between public authorities of different MS. The Action also supported economic growth, by ensuring the protection of creditors from "forum shopping" and facilitating a solid business environment for investments.

See also: http://www.mcit.gov.cy/mcit/ insolvency.nsf/iirhome_gr/iirhome_ gr?OpenDocument

Click to open the full project description

CALL YEAR

2017

COUNTRY(IES)

Cyprus

IMPLEMENTATION SCHEDULE

February 2018 to July 2019

TOTAL ELIGIBLE COST

€306,700

MAXIMUM EU CONTRIBUTION

€229,998

COORDINATOR

Ministry of Energy, Commerce, Industry and Tourism (Cyprus)

European Platform for Digital Skills and Jobs

8 agreements have been signed for the European Platform for Digital Skills and Jobs DSI under the 2019 call[1]. A total of **€0.9 million** of CEF Telecom funding has been earmarked for 8 Member States.

1   *State of play: October 2020.*

Following the Skills Agenda adopted in June 2016, the European Commission launched the Digital Skills and Jobs Coalition to develop a large digital talent pool and ensure that individuals and the labour force in Europe are equipped with adequate digital skills.
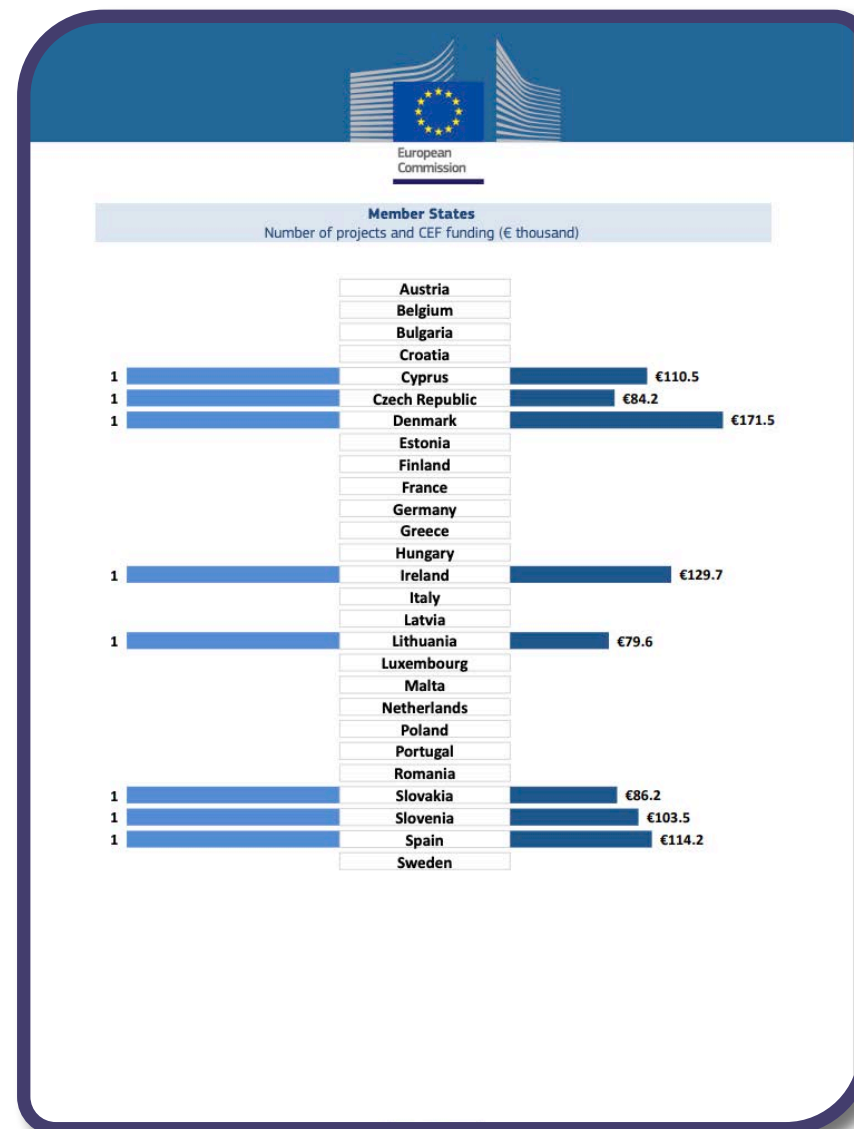
The European Platform for Digital Skills and Jobs DSI supports the connection of the infrastructures (websites) of National Digital Skills and Jobs Coalitions (National Coalitions) with the Core Service Platform through interoperable links, integrating and enabling exchanges with the Core Service Platform components. It will help National Coalitions and other stakeholders to provide coherent and structured content and services on digital skills in the official language(s) of the Member State or Norwegian/Icelandic.

The National Coalitions in combination with the Core Service Platform will make digital skills initiatives from all over Europe more accessible. These services will highlight good practices and financing opportunities, gather information about digital skills intelligence and careers. They will help students and job seekers to find training/traineeship opportunities, support enterprises in addressing skills needs, train employees, facilitate scale-up of innovative training solutions, strengthen cooperation between the National Coalitions and enable learning across sectors and borders.

See also: CEF Digital, New Skills Agenda for Europe

▶ Project example: Digitalna.si   ▶ Project example: Danish Digital

European Commission

Member States
Number of projects and CEF funding (€ thousand)

Austria		
Belgium		
Bulgaria		
Croatia		
1	Cyprus	€110.5
1	Czech Republic	€84.2
1	Denmark	€171.5
	Estonia	
	Finland	
	France	
	Germany	
	Greece	
	Hungary	
1	Ireland	€129.7
	Italy	
	Latvia	
1	Lithuania	€79.6
	Luxembourg	
	Malta	
	Netherlands	
	Poland	
	Portugal	
	Romania	
1	Slovakia	€86.2
1	Slovenia	€103.5
1	Spain	€114.2
	Sweden	

Digitalna.si

This Digitalna.si action aims to support the Slovenian Digital Coalition to share their Digital skills and jobs related activities and content with the Core Service Platform (CSP) and other relevant national coalitions/ networks of actors in Member States of the European Union. The Action will focus on building interoperable links to the Core Service Platform, through its website, which will allow the Slovenian Digital Coalition to share their activities and contents. The content will be, thus, searchable, accessible, available and usable in Slovenian language with link to cross border EU opportunities.

This Action entails three activities:

1. Web development

2. Services, Content and Community related activities

3. Post-editing and localisation of content.

Click to open the full project description

CALL YEAR

2019

COUNTRY(IES)

Slovenia

IMPLEMENTATION SCHEDULE

September 2020 to August 2023

MAXIMUM EU CONTRIBUTION

€103,451

COORDINATOR

Gospodarska zbornica Slovenije (Slovenia)

https://www.gzs.si/

Danish Digital

This Action aims to support the Danish National Coalition to share their Digital skills and jobs related activities and content with the Core Service Platform (CSP) and other relevant national coalitions/networks of actors in Member States of the European Union.

It particularly focuses on creating a website for companies, job seekers, students, national coalitions and networks to get innovative inspiration, knowledge, easy access and overview on digital skills intelligence, careers and initiatives, at both national and European level, by linking national infrastructure to the Core Service Platform.

This Action entails three activities:

1. Web development

2. Services, Content and Community related activities

3. Post-editing and localisation of content

All activities above are designed and will be implemented in line with the latest available version of the Technical Specifications for the Digital Skills and Jobs Platform CSP and its services drafted by the European Commission.

Click to open the full project description

CALL YEAR
2016

COUNTRY(IES)
Denmark

IMPLEMENTATION SCHEDULE
September 2020 to September 2023

MAXIMUM EU CONTRIBUTION
€171,472

COORDINATOR
Dansk IT (Denmark)

Europeana

So far, the Europeana projects have provided 286,309 new items to the Europeana Platform (including digital content such as photos, video, audio contents, newspapers/periodicals, manuscripts, books/other printed material and maps etc)*.

19 agreements have been signed further to the 2016 – 2019 Europeana calls[1]. A total of **€12.2 million** of CEF Telecom funding has been earmarked for 23 Member States and 2 third countries, corresponding to a total cost of **€17.4 million**.

_____
1   *State of play: October 2020.*

europeana.eu is Europe's digital platform for cultural heritage. The platform currently provides access to over 50 million cultural heritage items, (including image, text, sound, video and 3D material) from the collections of over 3,700 libraries, archives, museums, galleries and audio-visual collections across Europe.

The actions funded under the 2016 CEF Telecom Europeana call have a common goal of showcasing cultural treasures of Europe, telling and illustrating gripping European stories on the Europeana platform in the form of channels and taking visitors on a curated journey through Europe's rich and diverse cultural heritage.

Whereas the 2016 Europeana call was more concerned with the "supply side" of information and enabling a better quality of content, the 2017 call focused on user experience and re-use of the material,
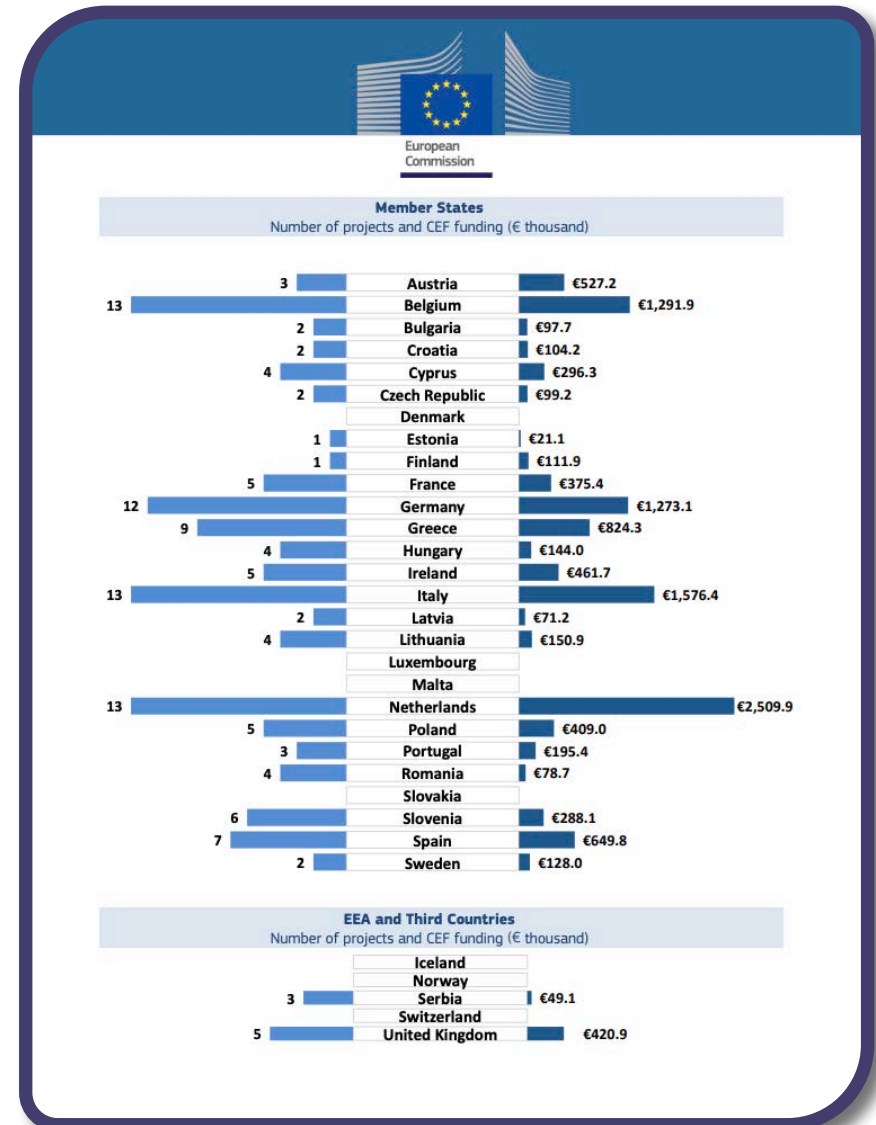
specifically with 2 goals a) to provide tools for end users to highlight, share or enrich material accessible through Europeana, and b) to produce concrete examples of re-use of the material accessible through Europeana in other sectors, such as in research, education, creative industries or tourism.

The 2018 call primarily aimed at supporting cultural institutions and others to increase the amount of content and metadata accessible through Europeana that is of high quality and suitable for reuse, as well as to increase awareness and usage of Europeana. The 2019 call focused on encouraging cultural institutions to develop new ways to make accessible such content through the creation of curated collections, exhibitions or any other personalised ways of engaging users.

* The data covers the projects closed by October 2020.

See also: CEF Digital, EUROPEANA

▶ Project example: LinBi   ▶ Project example: Europeana XX

European Commission

Member States
Number of projects and CEF funding (€ thousand)

Projects	Country	CEF funding
3	Austria	€527.2
13	Belgium	€1,291.9
2	Bulgaria	€97.7
2	Croatia	€104.2
4	Cyprus	€296.3
2	Czech Republic	€99.2
	Denmark	
1	Estonia	€21.1
1	Finland	€111.9
5	France	€375.4
12	Germany	€1,273.1
9	Greece	€824.3
4	Hungary	€144.0
5	Ireland	€461.7
13	Italy	€1,576.4
2	Latvia	€71.2
4	Lithuania	€150.9
	Luxembourg	
	Malta	
13	Netherlands	€2,509.9
5	Poland	€409.0
3	Portugal	€195.4
4	Romania	€78.7
	Slovakia	
6	Slovenia	€288.1
7	Spain	€649.8
2	Sweden	€128.0

EEA and Third Countries
Number of projects and CEF funding (€ thousand)

Projects	Country	CEF funding
	Iceland	
	Norway	
3	Serbia	€49.1
	Switzerland	
5	United Kingdom	€420.9

Linking Biodiversity and Culture Information – LinBi

The Action aims at supporting scientific and bio-cultural institutions and other public and private partners to increase the amount of content and metadata accessible through Europeana that is of high quality and suitable for reuse. It also aims to increase awareness and usage of Europeana.

Europeana's biodiversity content includes 8.8 million objects which are overwhelmingly described by scientific data. The scientific description often represents a barrier to use and leads to low discoverability, exploitation and re-use of content. The Action bridges the gap by providing new methods of linking information objects using the LinBi enrichment platform. Approximately 15,000 linked objects will be provided. The Action will create a new aggregation pathway to Europeana for enriched biodiversity objects. The platform will allow the interlinking of existing and new data items, and the creation of 'enrichment items'. Lastly, it will bring 1.3 million new high-quality data objects (already digitised) into Europeana.

The Action also aims to create an online exhibition which enhances the reuse of biodiversity content from Europeana among the cultural and natural history community, researchers, educators and professionals in the creative industries.

See also: https://linbi.eu/

https://www.europeana.eu/en/exhibitions/edible-plants-from-the-americas

Click to open the full project description

CALL YEAR
2018

COUNTRY(IES)
Austria, Belgium, Germany, Spain

IMPLEMENTATION SCHEDULE
February 2019 to October 2020

TOTAL ELIGIBLE COSTS
€685,365

MAXIMUM EU CONTRIBUTION
€514,023

COORDINATOR
Rundfunk Berlin-Brandenburg (Germany)

Europeana XX: Century of Change

The Action aims at the creation of a new thematic collection in Europeana with specific focus on the 20th century and on the social, political and economic alterations documented in photographs, moving images, paintings and documents.

100,000 high-quality new objects will be added to Europeana while over 15,000 existing objects on Europeana will be upgraded to Tier 4 and metadata of 2.5 million existing records on Europeana will be enriched. Cultural heritage institutions will benefit from newly developed tools, notably the semantic enrichment tool, the automatic translation service and the smart editorial support system. Lastly, impact and wide audience engagement will be achieved through an integrated on-line and onsite (using the Pop-up exhibition tool) editorial and outreach strategy.

The Action will enable new educational narratives and resources, research and creative projects or business ideas for the Europeana markets.

See also: https://pro.europeana.eu/project/europeana-xx

https://pro.europeana.eu/post/introducing-europeana-xx-century-of-change

Click to open the full project description

CALL YEAR
2019

COUNTRY(IES)
Belgium, Cyprus, Germany, Greece, Italy, Netherlands, Poland, Spain

IMPLEMENTATION SCHEDULE
March 2020 to August 2021

TOTAL ELIGIBLE COSTS
€1,987,782

MAXIMUM EU CONTRIBUTION
€1,490,836

COORDINATOR
Stichting Nederlands Instituut voor Beeld en Geluid (Netherlands)

Online Dispute Resolution (ODR)

Online Dispute Resolution (ODR) DSI aims at fostering out-of-court, online resolution of disputes between EU consumers and traders. Through the ODR DSI, EU consumers and businesses can have their disputes regarding online purchases dealt with entirely online via the ODR platform. This platform allows consumers and traders to reach the Alternative Dispute Resolution (ADR) bodies in all Member States through a secure multilingual interface. While boosting e-commerce, particularly across borders, ODR increases trust of both EU consumers and businesses in the Single Market by enabling a simple, fast and low-cost out-of-court procedure for resolving disputes.

The 2015 ODR call for proposals aimed to support national ADR entities and national online gateways linking such entities to interoperate with the central, EU-wide ODR platform. The 2018 ODR call for proposals aimed to further support the interoperability of ADR entities and online traders with the ODR platform by co-financing both the deployment of e-Delivery Access Points and the upgrade of the case management systems of the concerned entities in order to achieve full interoperability with such platform.
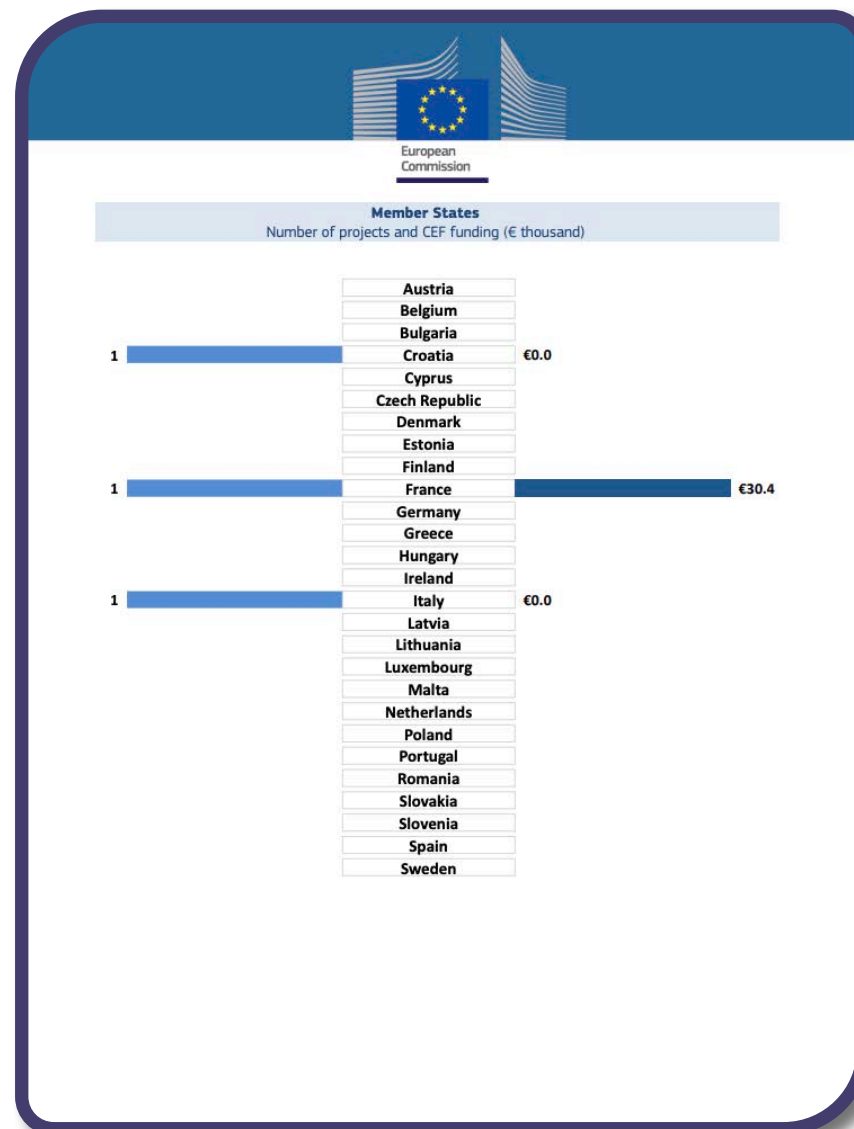
See also: ODR Platform, ADR Directive, ODR Regulation

▶   Project example: Medicys ODR

Medicys ODR

The objective of this Action is to implement full interoperability between the Alternative Dispute Resolution (ADR) association MEDICYS platform and the Online Dispute Resolution (ODR) platform of the European Commission by: (1) deploying an eDelivery Access Point (AP) able to connect/exchange information with the ODR platform AP in an interoperable, secure, reliable and trusted way; and (2) upgrading the existing case management system to be fully consistent with the ODR platform's technical rules and messaging protocol.

The connectivity/interoperability of MEDICYS platform with the ODR platform of the European Commission will: (i) raise interest for the consumers to use this solution, (ii) facilitate the fast and low-cost out-of-court solution to cross-border claims and (iii) improve the operation of the EU Regulation 524/2013 since it will enable EU citizens/companies to solve disputes in an efficient way, i.e. entirely online.

Click to open the full project description

CALL YEAR
2018

COUNTRY(IES)
France

IMPLEMENTATION SCHEDULE
September 2019 to September 2020

TOTAL ELIGIBLE COSTS
€40,490

MAXIMUM EU CONTRIBUTION
€30,368

COORDINATOR
Centre de médiation et de règlement amiable des huissiers de justice (France)

35 agreements have been signed for the Public Open Data DSI under the 2015- 2019 calls[1]. A total of €42.5 million of CEF Telecom funding has been earmarked for 24 Member States, 1 EEA country and 1 third country, corresponding to a total cost of €58.8 million.

Public Open Data

1   *State of play: October 2020.*

The **Public Open Data Digital Services Infrastructure** encourages the reuse and analysis of the data that public bodies produce, collect or pay for, aiming to create new products and services, and to improve efficiency in administrations. It also eases public services and businesses to access and reuse data through the European Data Portal[1], which acts as a one-stop shop to provide harmonised access to data sets created and managed by public bodies in the Member States.
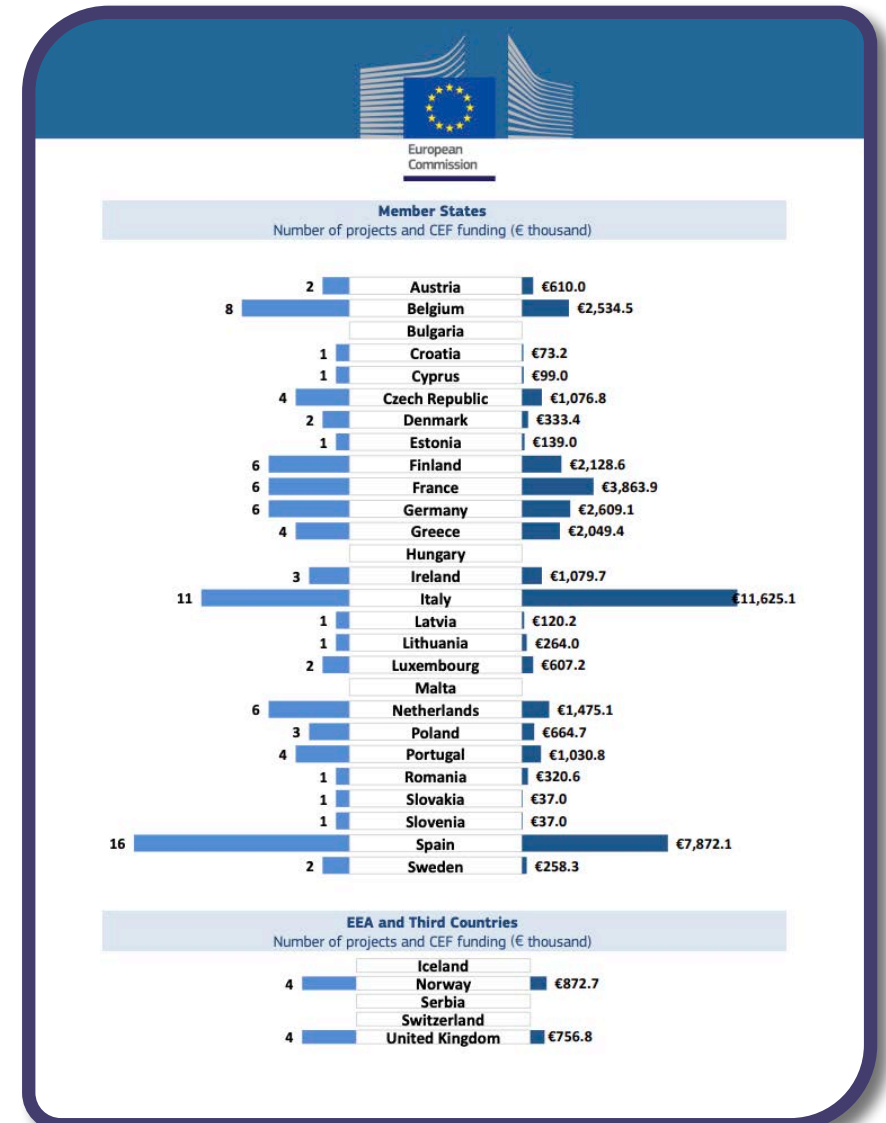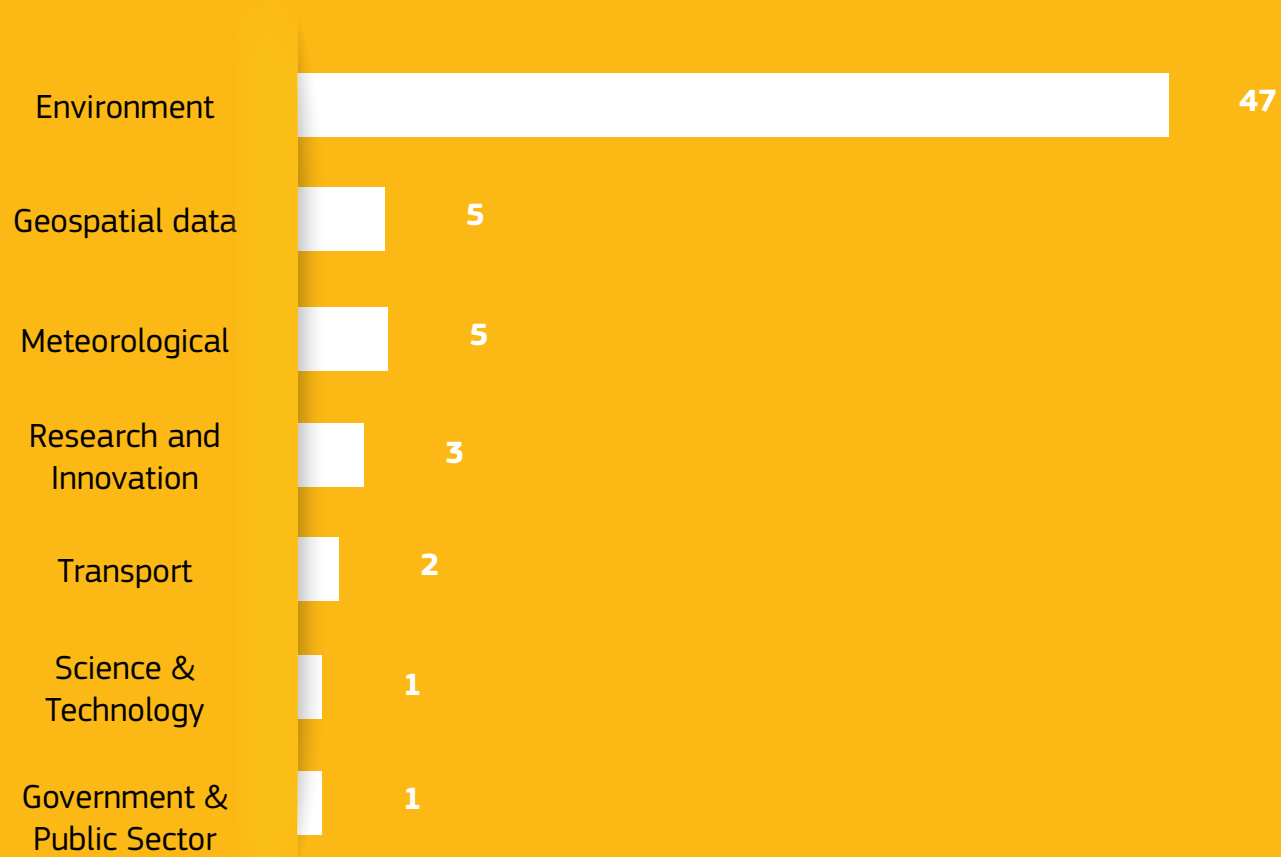
All actions funded under this DSI contribute to the availability of harmonised content at the EU level and to its cross- border and cross domain re-use. Some actions focus on harmonisation of data in specific areas like waste compliance management, biodiversity, air quality data, and broadband connections. Others promote the use of open data through the co-creation of demonstrators involving citizens and public and private organisations. Through the 2017 and 2018 calls, actions delivering services that demonstrate the need and the value of combining public data and High-Performance Computing (HPC) are also being financed. These services address several public policy areas of key importance, such as forest fires control, smart farming, mobility and air pollution monitoring, and digitalisation of cultural resources. The 2019 call extended the financial support to actions using real-time data to deploy or upgrade solutions in domains such as Smart Cities or Internet of Things.

1   https://www.europeandataportal.eu/

Member States
Number of projects and CEF funding (€ thousand)

Country	Number of projects	CEF funding (€ thousand)
Austria	2	€610.0
Belgium	8	€2,534.5
Bulgaria		
Croatia	1	€73.2
Cyprus	1	€99.0
Czech Republic	4	€1,076.8
Denmark	2	€333.4
Estonia	1	€139.0
Finland	6	€2,128.6
France	6	€3,863.9
Germany	6	€2,609.1
Greece	4	€2,049.4
Hungary		
Ireland	3	€1,079.7
Italy	11	€11,625.1
Latvia	1	€120.2
Lithuania	1	€264.0
Luxembourg	2	€607.2
Malta		
Netherlands	6	€1,475.1
Poland	3	€664.7
Portugal	4	€1,030.8
Romania	1	€320.6
Slovakia	1	€37.0
Slovenia	1	€37.0
Spain	16	€7,872.1
Sweden	2	€258.3

EEA and Third Countries
Number of projects and CEF funding (€ thousand)

Country	Number of projects	CEF funding (€ thousand)
Iceland		
Norway	4	€872.7
Serbia		
Switzerland		
United Kingdom	4	€756.8

See also: PSI Directive, Open Data Directive, EU HPC strategy, A European strategy for Data

▶ Project example: Baltic Data Flows   ▶ Project example: YODA (Your Open DAta)

The open data datasets generated by the projects are
uploaded on the European Data Portal.

Number of supported datasets by sector*

Environment — 47

Geospatial data — 5

Meteorological — 5

Research and Innovation — 3

Transport — 2

Science & Technology — 1

Government & Public Sector — 1

* The data covers the projects closed by October 2020.

Baltic Data Flows

The Baltic Data Flows Action aims to enhance the sharing and harmonisation of data on marine environment originating from existing sea monitoring programmes. In particular, open datasets will be made available, via a service-based data sharing approach, to a wide community, such as the European open data ecosystem, researchers, NGOs and private sector, which would benefit from the availability of harmonised environmental data.

The Action will increase the capacity of national competent authorities for harmonising and sharing collected environmental monitoring data on the Baltic Sea by supporting the development of database platforms. Furthermore, a system for harvesting environmental datasets from national sources to regionally harmonised datasets will be implemented and data products will be created to support environmental assessments by further defining the data needs and existing reporting formats.

As a result of the Action, harmonised and quality assured pan-Baltic monitoring data that is usable for research purposes, environmental assessments, sustainable maritime spatial planning and blue growth, will be made accessible (e.g., through the European Data Portal). Furthermore, the Action will provide tools for creating and disseminating more general data products suitable for communicating the status of marine environment to the general public and decision-makers.

Click to open the full project description

CALL YEAR
2019

COUNTRY(IES)
Denmark, Finland, Latvia, Sweden

IMPLEMENTATION SCHEDULE
October 2020 to September 2023

TOTAL ELIGIBLE COSTS
€1,359,197

MAXIMUM EU CONTRIBUTION
€1,019,398

COORDINATOR
Baltic Marine Environment Protection Commission–Helsinki Commission (Finland)

YODA (Your Open DAta)

YODA (Your Open DAta) Action will provide a service to enhance the empowerment of European citizens in the Big Data era. In particular, the service will allow them to create personalised dashboards binding, through a single application, several sources of data from different domains (such as accessibility issues, traffic information, works, public services, greenways, weather, pollution, sightseeing or company data). In addition, the Action will deploy a data processing infrastructure that, on the basis of real-time and machine learning processing, will provide additional processed results and predictions to the developed personalised service. As an example, citizens will be able to receive real-time information related to their preferences configured to facilitate daily tasks such as mobility, even including predictions on optimal routes.

The data sources will include relevant information retrieved from the European Data Portal (EDP) and the additional data sources integrated in the Action, i.e., UPM Smart Campus CEI Moncloa, Málaga Smart City, Santander Smart City and AEMET (Spanish Meteorological Agency). The service will be offered in three languages: English, French and Spanish, by both a web and a mobile application.

A security framework will be also provided to facilitate the sharing and processing of public open data through the EDP, including Identity Management, Access Control and Usage Control oriented to public open data sharing environments. This framework will be compatible with the eID Digital Service Infrastructure and the eIDAS reference.

Click to open the full project description

CALL YEAR
2019

COUNTRY(IES)
Spain

IMPLEMENTATION SCHEDULE
September 2020 to February 2023

TOTAL ELIGIBLE COSTS
€705,772

MAXIMUM EU CONTRIBUTION
€529,329

COORDINATOR
Universidad Politécnica de Madrid (Spain)

85 agreements have been signed for the Safer Internet DSI under the 2014 – 2018 calls[1]. A total of **€49.9 million** of CEF Telecom funding has been earmarked for 27 Member States, 2 EEA countries and 1 third country, corresponding to a total cost of **€101.3 million**.

Safer Internet

1   State of play: October 2020.

The **Safer Internet** DSI provides access to child-safety related content and services delivered via interoperable national Safer Internet Centres (SICs). These SICs provide the following services[1]:

- awareness Centres provide access to information and educational resources regarding opportunities and risks that children and youth are facing online, building on digital repositories, from which specific awareness toolkits, campaigns and services are developed,

- helplines provide information, advice and assistance on how to deal with harmful online content, contact or conduct,

- hotlines offer a way of anonymously reporting child sexual abuse material and other illegal content.

The SICs share tools, resources and good practices through the CEF funded **Better Internet for Kids (BIK) Core Service Platform**[2]. The BIK platform is also accessible for the public to find information, guidance and resources.

The first Safer Internet Programme was launched in 1999 and since 2015 the support to the programme is provided under the Connecting Europe Facility (CEF). Over the years, funded activities have covered awareness raising, fighting illegal content, filtering and content labelling, involving the civil society in child online safety issues and creating a solid database of information related to the use of new technologies by young people.

1   The Norwegian Safer Internet Centre is only composed of an awareness centre and a helpline.
2   Not managed by INEA.
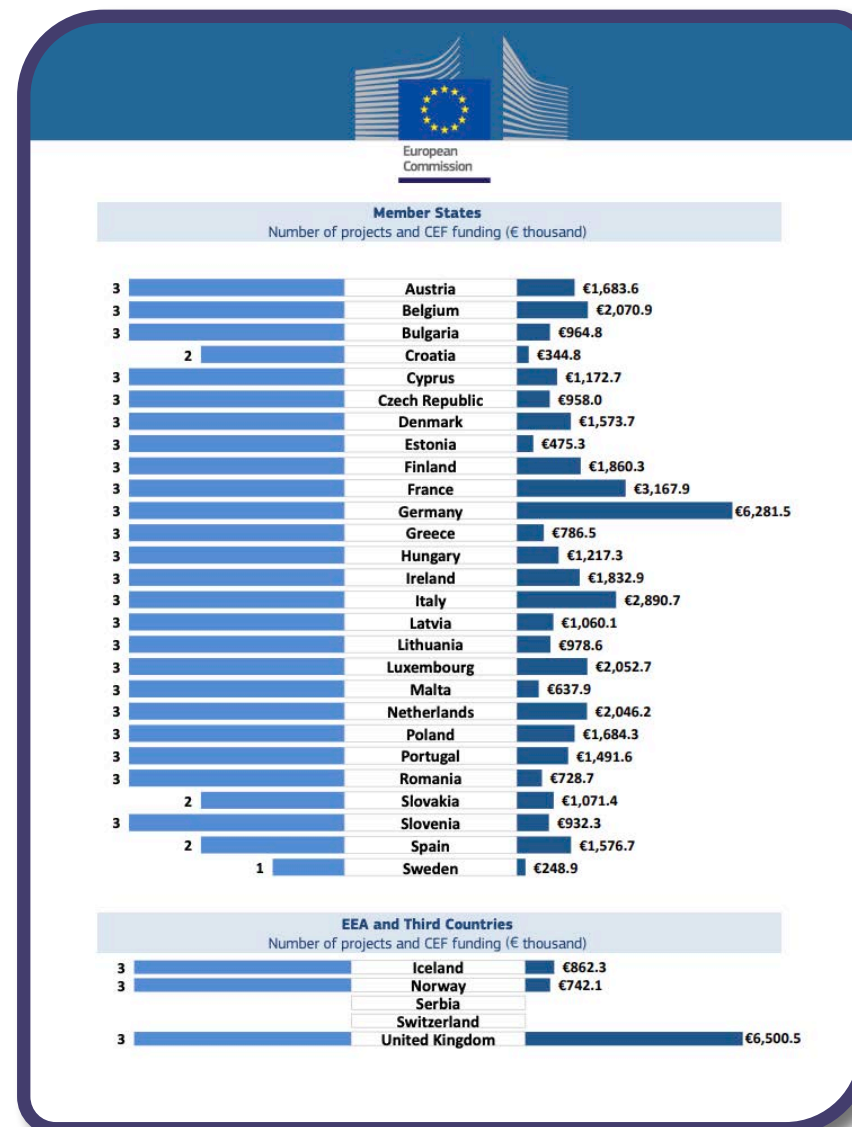
See also: BIK Platform , BIK Strategy

▶ Project example: Finnish Safer Internet Centre 2019-2021

▶ Project example: SI4KIDS

Member States
Number of projects and CEF funding (€ thousand)

	Country	CEF funding
3	Austria	€1,683.6
3	Belgium	€2,070.9
3	Bulgaria	€964.8
2	Croatia	€344.8
3	Cyprus	€1,172.7
3	Czech Republic	€958.0
3	Denmark	€1,573.7
3	Estonia	€475.3
3	Finland	€1,860.3
3	France	€3,167.9
3	Germany	€6,281.5
3	Greece	€786.5
3	Hungary	€1,217.3
3	Ireland	€1,832.9
3	Italy	€2,890.7
3	Latvia	€1,060.1
3	Lithuania	€978.6
3	Luxembourg	€2,052.7
3	Malta	€637.9
3	Netherlands	€2,046.2
3	Poland	€1,684.3
3	Portugal	€1,491.6
3	Romania	€728.7
2	Slovakia	€1,071.4
3	Slovenia	€932.3
2	Spain	€1,576.7
1	Sweden	€248.9

EEA and Third Countries
Number of projects and CEF funding (€ thousand)

	Country	CEF funding
3	Iceland	€862.3
3	Norway	€742.1
	Serbia	
	Switzerland	
3	United Kingdom	€6,500.5

Finnish Safer Internet Centre 2019–2021

The objective of the Safer Internet Action in Finland is to maintain and expand the Finnish national platform, based on the existing Safer Internet Centre (SIC), by providing:

- an awareness raising centre (Mediataitokoulu) targeting children, parents, other significant adults in children's lives, as well as and teachers and other professionals working with children about risks they may encounter via online related activities and empower them to deal with these risks, building on digital repositories, from which specific awareness toolkits and services will be adapted and deployed,

- Helpline services (Nuortennettiin https://www.nuortennetti.fi/) that provide support to young people and their parents regarding harmful contact (e.g. grooming, online abuse), offensive conduct (e.g. cyberbullying, hate speech, sexting) and undesirable or harmful content,

- a Hotline service (Nettivihje – https://www.pelastakaalapset.fi/en/our-work-in-finland/child-protection-and-finnish-hotline/) for receiving and managing reports from the public related to illegal online child sexual abuse material (CSAM) and commercial child sexual exploitation material (CSEM).

The three strands of the Finnish SIC will be cooperating with national stakeholders, through the continuation of a Single Advisory Board, and will closely coordinate their activities with the Core Service Platform and with the Insafe and INHOPE networks. The SIC will also engage with children and young people through a dedicated Youth Panel.

Click to open the full project description

CALL YEAR
2018

COUNTRY(IES)
Finland

IMPLEMENTATION SCHEDULE
January 2019 to March 2021

TOTAL ELIGIBLE COSTS
€1,490,608

MAXIMUM EU CONTRIBUTION
€745,304

COORDINATOR
Kansallinen audiovisuaalinen instituutti – National Audiovisual Institute (Finland)

The Hellenic Safer Internet Center: Empowering Children and the Society for a Positive Online Experience (SI4Kids)

SI4Kids aims at continuing the Hellenic Safer Internet Centre SaferInternet4Kids (SI4Kids) by providing:

- An Awareness Centre (https://saferinternet4kids.gr) for raising awareness among children, parents, and other professionals working with children about risks they may encounter via online related activities and empower them to deal with these risks, building on digital repositories, from which specific awareness toolkits and services will be adapted and deployed, in cooperation with third parties.

- A Helpline (http://www.help-line.gr) that provide supporting services to children, teenagers and their carers encountering harmful contact, and conduct as well as online usage and web content by one-to-one conversations via e telephone, email and online chat services with trained counselors on online related issues.

- A Hotline (Safeline) for receiving and managing reports and data about online illegal child sexual abuse and cooperating with other stakeholders.

The three components of the SIC will cooperate by continuing a single Advisory Board with national stakeholders. The SIC will also engage with children and young people through a dedicated Youth Panel. The beneficiary will further develop his role of providing generic services and will closely coordinate its activities with the core service platform and with the Insafe and INHOPE networks.

See also: https://saferinternet4kids.gr/

Click to open the full project description

CALL YEAR

2018

COUNTRY(IES)

Greece

IMPLEMENTATION SCHEDULE

January 2019 to March 2021

TOTAL ELIGIBLE COSTS

€738,300

MAXIMUM EU CONTRIBUTION

€369,150

COORDINATOR

Foundation for Research and Technology–Hellas (Greece)

Country fiches per Digital Service Infrastructure (DSI)

CLICK THE COUNTRY NAME OR FLAG TO SEE THE COUNTRY FICHE

AUSTRIA

BELGIUM

BULGARIA

CROATIA

CYPRUS

CZECH REPUBLIC

DENMARK

ESTONIA

FINLAND

FRANCE

GERMANY

GREECE

HUNGARY

IRELAND

ITALY

LATVIA

LITHUANIA

LUXEMBOURG

MALTA

NETHERLANDS

POLAND

PORTUGAL

ROMANIA

SLOVENIA

SLOVAKIA

SPAIN

SWEDEN

UNITED KINGDOM

NORWAY

ICELAND

SERBIA

SWITZERLAND

WiFi4EU

Free Wi-Fi for Europeans

The WiFi4EU initiative aims to provide free high-quality internet access across the EU via Wi-Fi hotspots in public spaces such as parks, public squares, administrations, public libraries, health centres, etc. As part of the European Commission's Digital Single Market strategy, WiFi4EU also brings digital services (e-Government, e-Health, e-Tourism, etc.) to work in practice for local citizens and visitors.

WiFi4EU vouchers worth €15,000 have been awarded via four calls for applications open to municipalities across Europe in order to support the installation of the WiFi4EU hotspots using the services of local Wi-Fi installation companies. Municipalities could register in any of the 24 official EU languages and apply via the WiFi4EU Portal through a simple procedure using just one "click". The vouchers have been assigned on a first-come, first-served basis while ensuring a fair geographical balance between participating countries. As of 15 October 2020, close to 22,487 municipalities have registered in the WiFi4EU Portal - more than 25% of the eligible municipalities in Europe.

The first WiFi4EU call for applications took place in November 2018 and attracted a total of 13,200 municipalities from all participating countries – with over 3,500 municipalities applying within the first 5 seconds of call opening. The subsequent call for applications had a similar interest and demand from the municipalities, with the calls "selling out" within seconds of opening. The demand largely exceeded the number of vouchers that were available in the calls:

- Call 2 (April 2019): 10,000 municipalities applying for 3,400 vouchers (over 4,000 municipalities applying within the first 5 seconds)

- Call 3 (November 2019): more than 11,000 applications for 1,780 vouchers (2,000 applications recorded in the first 2 seconds)

- Call 4 (June 2020): over 8,600 applications applying for 947 vouchers (over 3,000 applications received in the first 5 seconds).

As a result, the WiFi4EU initiative has distributed over 8,800 vouchers across 30 participating countries since its inception. The interest and enthusiasm of the municipalities has also been clearly evident in the WiFi4EU Community, as well as the strong local demand for fostering digital technologies and improving the offer of e-services for the public thanks to WiFi4EU.
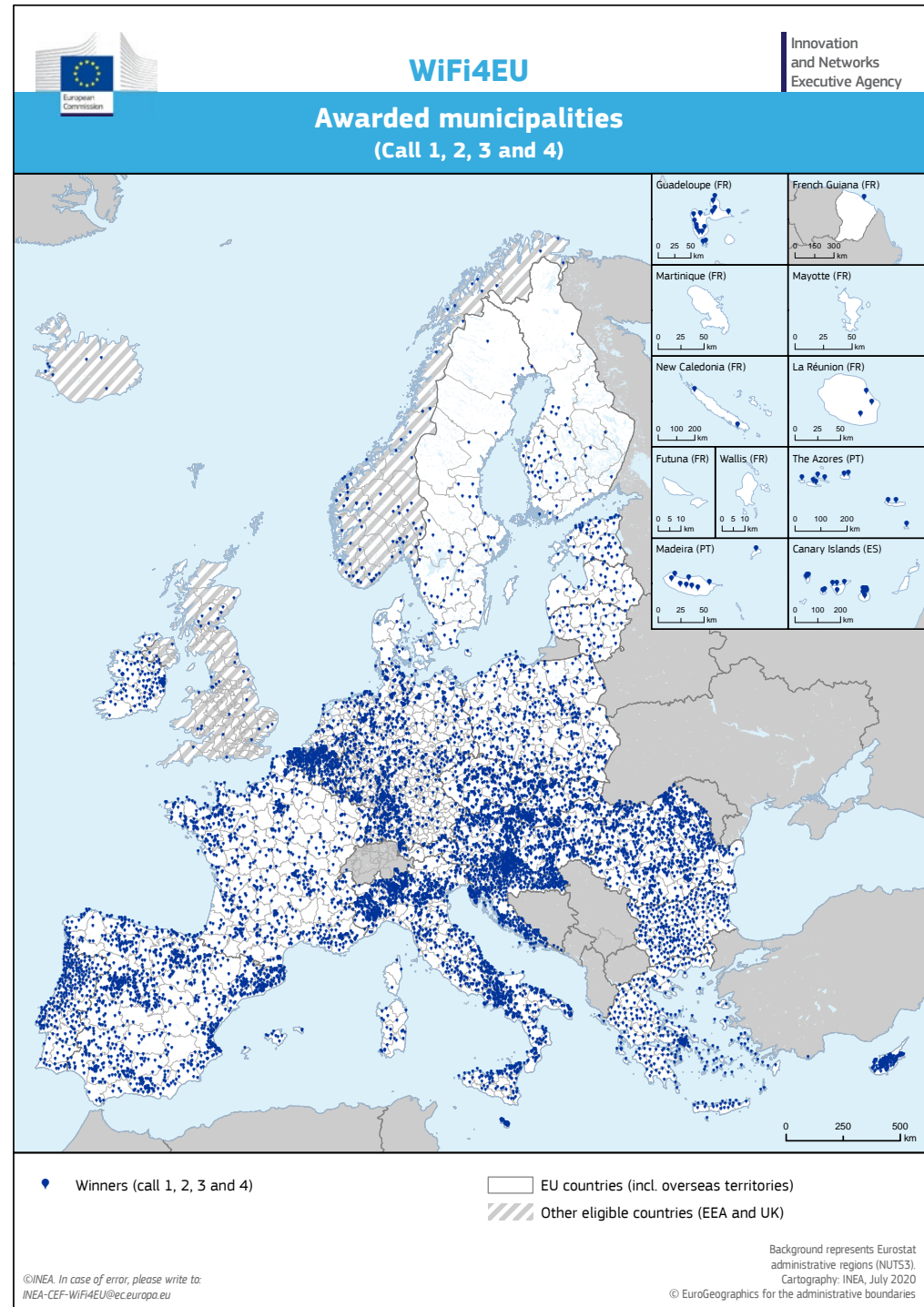
WiFi4EU awarded municipalities

EU Member States FUNDING (€million)

AT	€5.8	**IE**	€1.7
BE	€4.2	**IT**	€17.6
BG	€3.6	**LT**	€0.7
CY	€1.8	**LU**	€0.3
CZ	€4.7	**LV**	€0.5
DE	€13.7	**MT**	€0.8
DK	€0.3	**NL**	€0.8
EE	€0.8	**PL**	€5.9
EL	€4.7	**PT**	€4.1
ES	€16.4	**RO**	€10.3
FI	€0.8	**SE**	€0.9
FR	€11.6	**SI**	€2.5
HR	€6.9	**SK**	€4
HU	€4.9		

Other countries FUNDING (€million)

IS	€0.1
NO	€1.3
UK	€0.5

WiFi4EU
Awarded municipalities
(Call 1, 2, 3 and 4)

Innovation and Networks Executive Agency

Winners (call 1, 2, 3 and 4)
EU countries (incl. overseas territories)
Other eligible countries (EEA and UK)

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Background represents Eurostat administrative regions (NUTS3). Cartography: INEA, July 2020
© EuroGeographics for the administrative boundaries
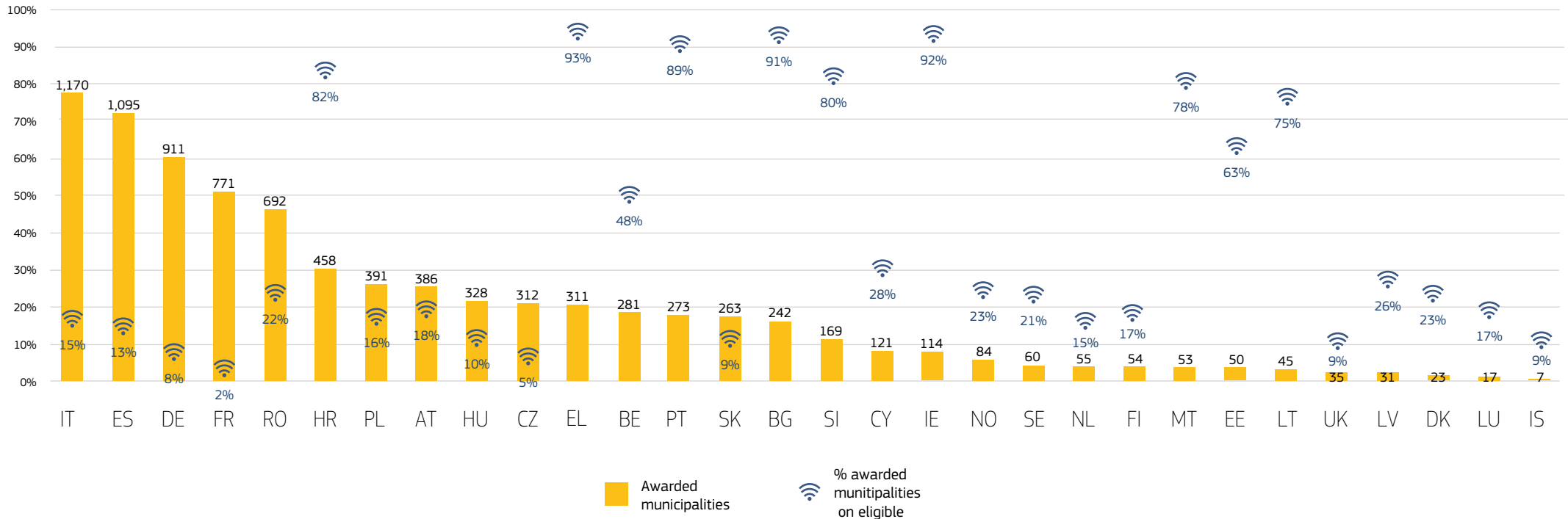
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ELIGIBLE MUNICIPALITIES
87,409

REGISTERED MUNICIPALITIES
22,487
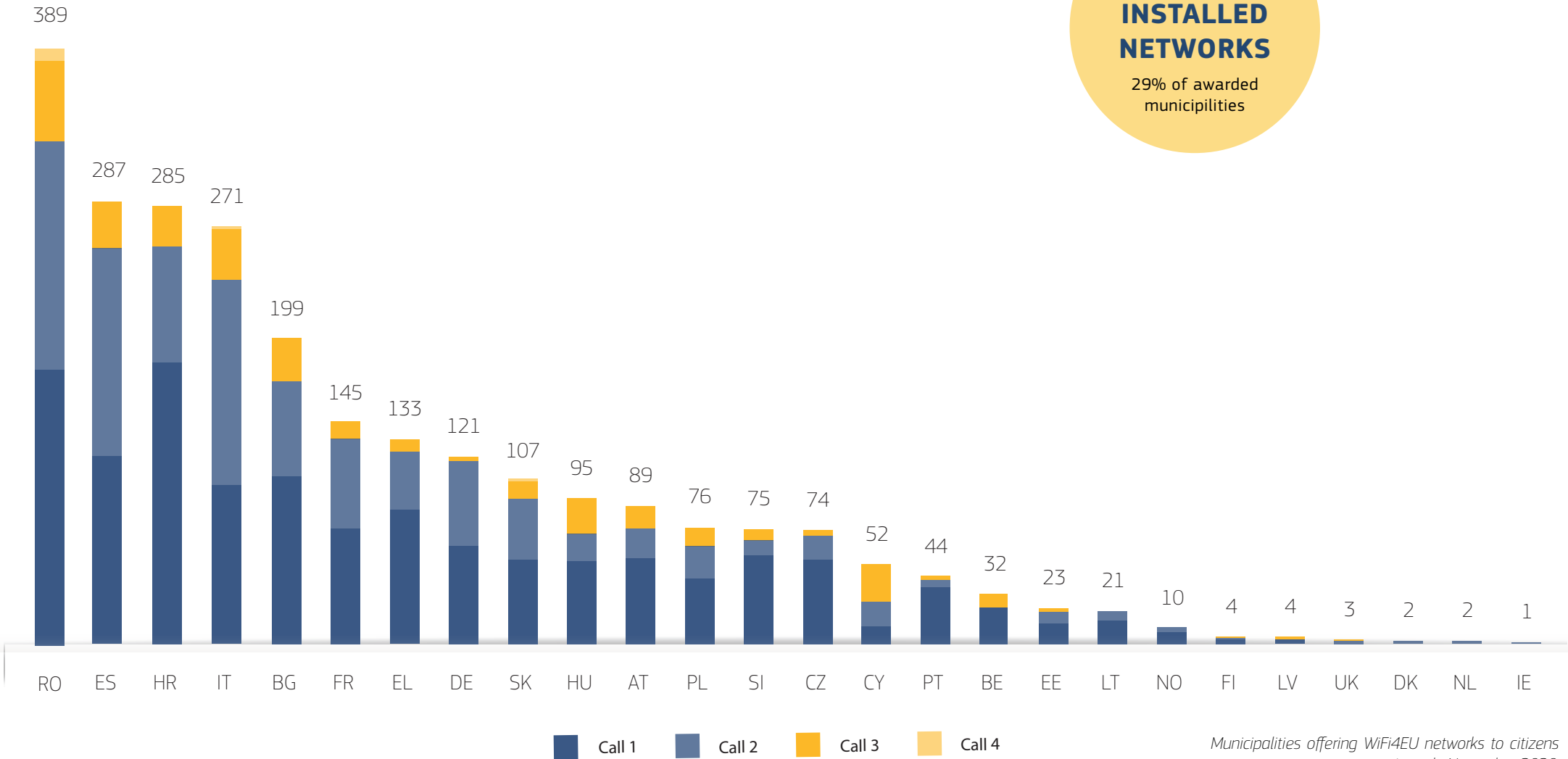26% of eligible municipalities

AWARDED MUNICIPALITIES
8,802
10% of eligible municipalities

Number of awarded municipalities and the rate related to eligible municipalities in the countries

Country	Awarded municipalities	% awarded municipalities on eligible
IT	1,170	15%
ES	1,095	13%
DE	911	8%
FR	771	2%
RO	692	22%
HR	458	82%
PL	391	16%
AT	386	18%
HU	328	10%
CZ	312	5%
EL	311	93%
BE	281	48%
PT	273	89%
SK	263	9%
BG	242	91%
SI	169	80%
CY	121	28%
IE	114	92%
NO	84	23%
SE	60	21%
NL	55	15%
FI	54	17%
MT	53	78%
EE	50	63%
LT	45	75%
UK	35	9%
LV	31	26%
DK	23	23%
LU	17	17%
IS	7	9%

Legend: Awarded municipalities | % awarded munitipalities on eligible

Networks in operation

2,554
INSTALLED
NETWORKS
29% of awarded
municipilities

RO	389	
ES	287	
HR	285	
IT	271	
BG	199	
FR	145	
EL	133	
DE	121	
SK	107	
HU	95	
AT	89	
PL	76	
SI	75	
CZ	74	
CY	52	
PT	44	
BE	32	
EE	23	
LT	21	
NO	10	
FI	4	
LV	4	
UK	3	
DK	2	
NL	2	
IE	1	

■ Call 1   ■ Call 2   ■ Call 3   ■ Call 4

*Municipalities offering WiFi4EU networks to citizens
in early November 2020.*

WiFi4EU Success stories

WiFi4EU Bulgaria

Strängnäs (Sweden)

The Swedish municipality of Strängnäs is a proud winner of a EUR 15,000 WiFi4EU voucher, which allowed the Local Council to offer free connectivity in low bandwidth areas.

Strängnäs is a dynamic Swedish town located by Lake Mälaren, not far from Stockholm. The municipality, dotted with castles and charming views, dates back to the Viking Age but it is now looking ahead with its innovative digital policies and commitment to provide connectivity to all citizens.

Strängnäs has been granted a EUR 15,000 WiFi4EU voucher during the second call, in April 2019, and the WiFi4EU network was officially launched on 1 April 2020. The 23 WiFi4EU hotspots are located in sports facilities, libraries, squares and skate parks, where they can best serve the needs of locals and visitors.

With the outbreak of the COVID-19 pandemic, remote working and studying have become the norm in Strängnäs and around the world. This new setting for professionals and students has shed light on the importance of free Wi-Fi to allow everyone to work and stay connected with colleagues, friends and family.

Free public Wi-Fi is just one of the numerous initiatives promoted by the municipality as part of the digital strategy that seeks to bridge the digital divisions that exist as a result of geographical and socio-demographic differences is important for the future.

Click here for the online interview with the Mayor.

WiFi4EU Stories: Strängnäs, Sweden

Bulgaria

Bulgaria has been awarded 232 WiFi4EU vouchers. Eager to hold its position as a leader in digital governance and services, Bulgaria ranks second among the countries with highest WiFi4EU coverage: during the four calls for applications, 232 out of the total 265 municipalities in Bulgaria have been awarded a WiFi4EU voucher, each worth EUR 15,000.

The country boasts 88% WiFi4EU coverage also thanks to the Ministry of Transport, Information Technology, and Communications, which played a pivotal role in galvanizing local support for the initiative. Seen the progress made by the Bulgarian government in the provision of online public services, Mayors have seen in WiFi4EU the opportunity to give all citizens the chance to take advantage of e-administration services, and much more.

The vast coverage of the WiFi4EU national network will benefit both locals and visitors by providing free public access to Wi-Fi in the length and breadth of Bulgaria. Tourists relaxing on the long golden beaches on the Black Sea in Primorsko and Burgas will be able to connect to the network and share the photos of the turquoise waters. The mountains, untamed forests and glacial lakes will also be covered by WIFi4EU, allowing hikers to stay connected, while skiers in Bansko will enjoy Wi-Fi after a long day of winter sports and birdwatching. Locals and visitors of all ages will stay connected where nature meets history, in the stunning Summer Palace of Queen Marie & Botanical Gardens in Balchik, in the Roman ruins in Varna and Plovdiv, and in the Tsarevets Fortress in Veliko Târnovo.

Click here to see more about this news.

Discover more success stories from this initiative!

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Innovation and Networks Executive Agency

FOR MORE INFORMATION

European Commission
W910
B-1049 Brussels

inea@ec.europa.eu
@inea_eu

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