



# The Connecting Europe Facility (CEF) Building Blocks

## Connecting Europe Facility

**DIGIT**  
Directorate-General  
for Informatics

**DG Connect**  
Directorate-General for Communications  
Networks, Content and Technology

**Thomas Fillis,**  
**Vienna, 11 April 2019**



# The Origins of the Single Market

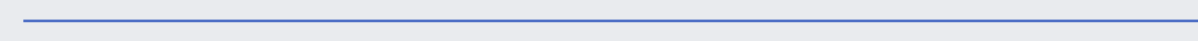
**“Economic integration** will make war not only unthinkable but materially impossible”

Robert Schuman



THE SINGLE MARKET

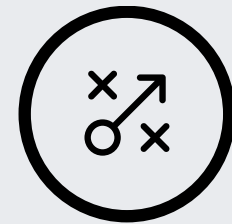
BUSINESSES



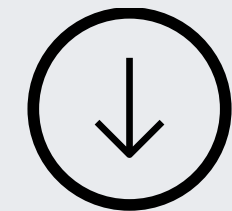
CITIZENS



**economies of scale**



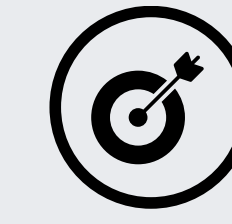
**increased competitiveness**



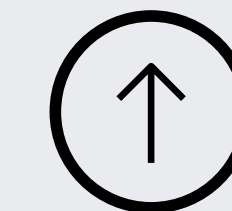
**lower costs**



**cheaper products**



**more choice**



**more innovation**

A Top 10 Commission Priority

# The Digital Single Market

Aims to ensure that citizens, businesses and public administrations can reap the the benefits that **digital** has to offer.



# The Tallinn Vision

Public Administrations must deliver high quality, user-centric digital public services for citizens and seamless cross-border public services for businesses.



# The shift from paper to digital presents new challenges

At the heart of the digital transformation of public administrations is the shift from paper based public services to digital public services.

How can we ensure that citizens, businesses and public administrations can securely identify themselves and complete transactions online?

The eIDAS regulation was designed to support the transformation.

## eIDAS ensures



Digital services have the same legal validity as as traditional paper process



By ensuring that digital services can be trusted and work securely across borders



So that citizen and businesses benefit from the convenience of digital services and can make the most of the digital single market

**Digital Transformation**  
**powered by eIDAS** provides  
the legal and security  
requirements to deliver  
convenient online digital  
services services such as:



Submitting tax declarations online



Enrolling in a foreign university



Remotely opening a bank account



Setting up a business in another Member State

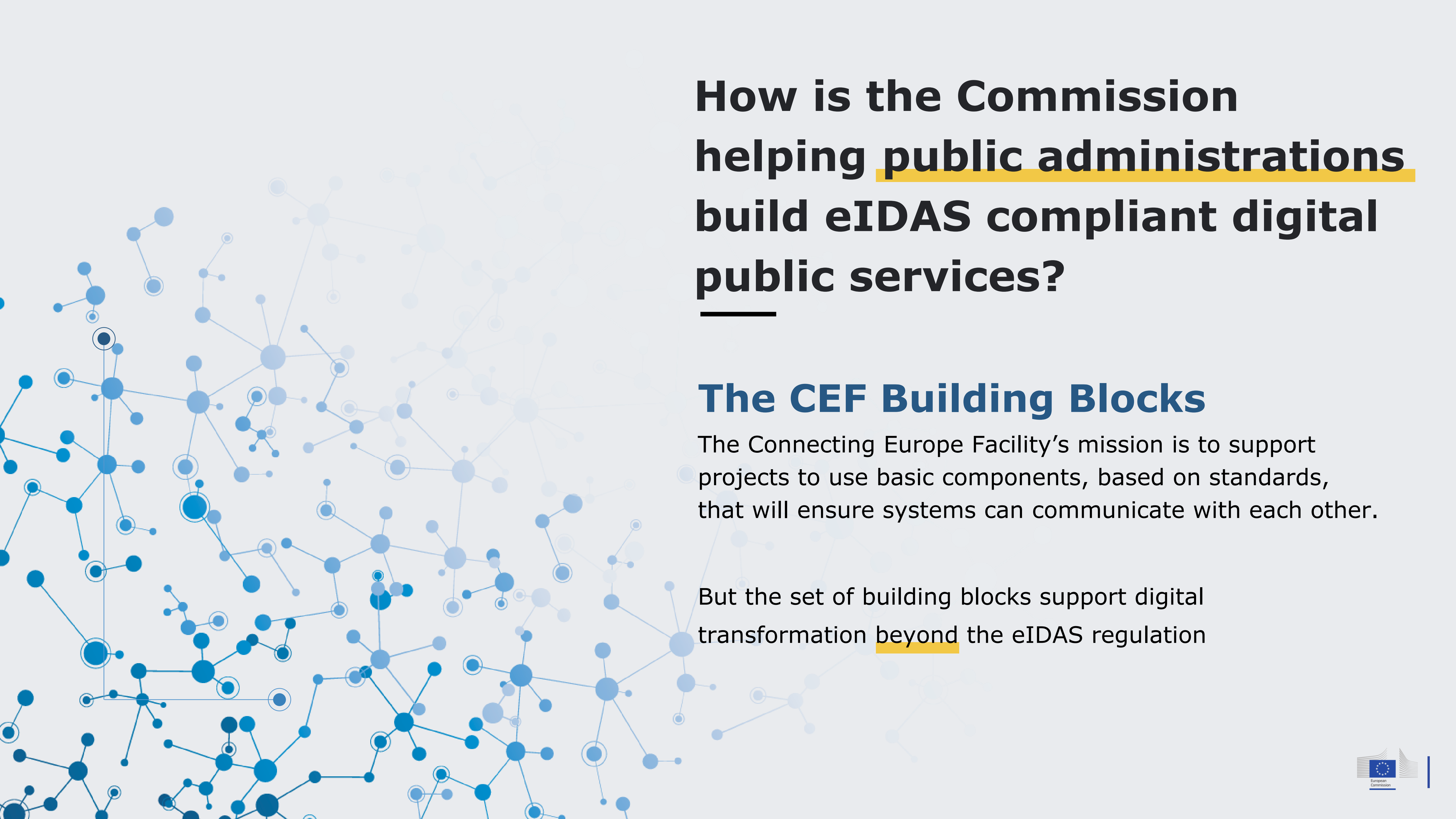


Authenticating an online payment



Bidding to an online call for tender

... and many, many more.

A background network diagram consisting of numerous blue nodes of varying sizes connected by thin lines, creating a complex web-like structure. The nodes are more densely packed on the left side and become sparser towards the right.

# How is the Commission helping public administrations build eIDAS compliant digital public services?

## The CEF Building Blocks

The Connecting Europe Facility's mission is to support projects to use basic components, based on standards, that will ensure systems can communicate with each other.

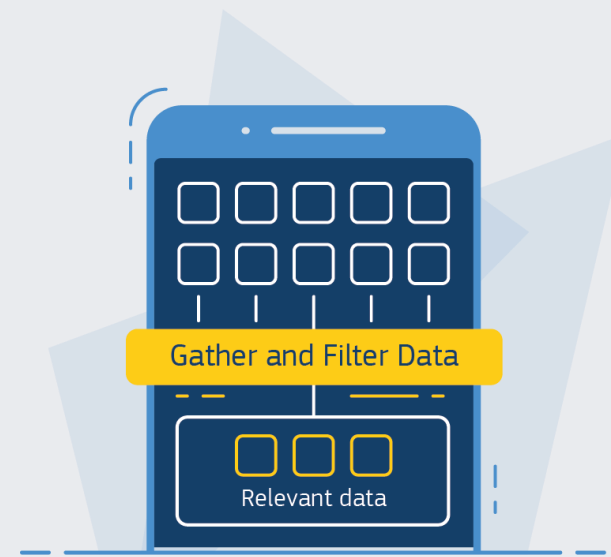
But the set of building blocks support digital transformation beyond the eIDAS regulation

Data Economy



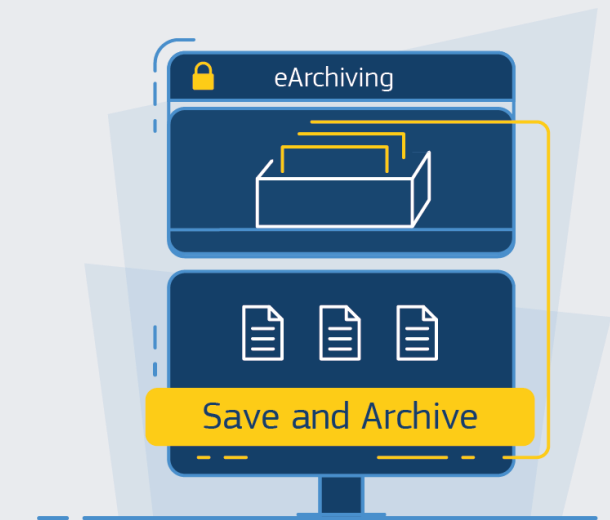
### Big Data Test Infrastructure

Experiment with big data in a safe environment



### Context Broker

Collect & share real-time data from multiple sources



### eArchiving

Store and preserve digital information

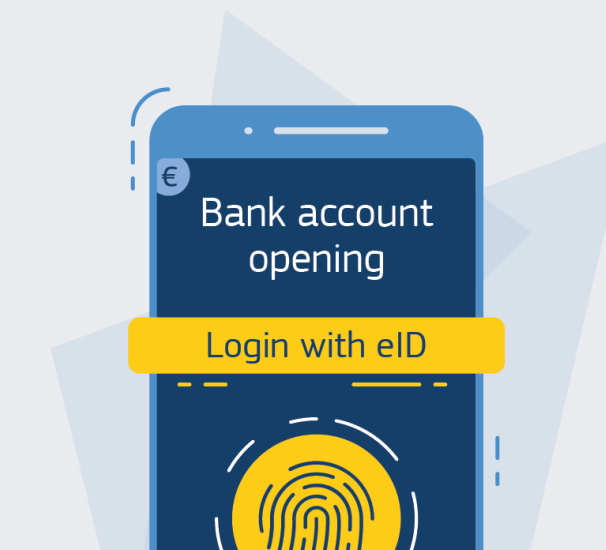
eInvoicing Directive



### eInvoicing

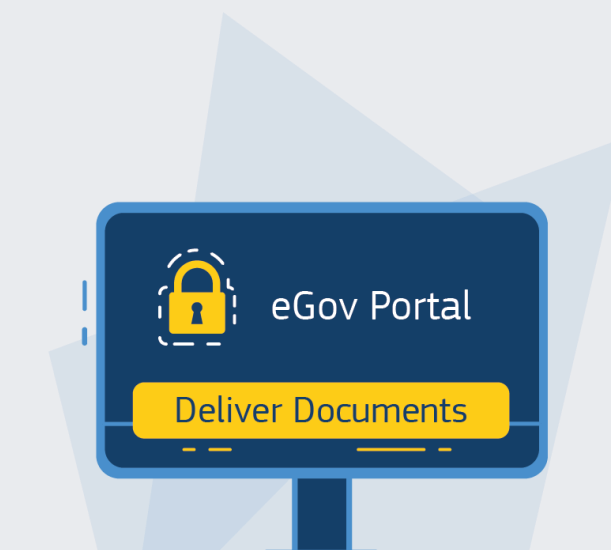
Send and receive electronic invoices

eIDAS enablers



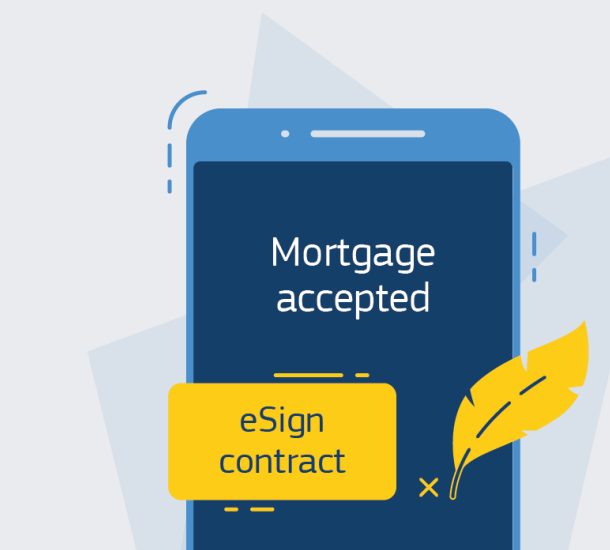
### eID

Securely identify European citizens



### eDelivery

Exchange data and documents securely



### eSignature

Create and verify legally recognised electronic signatures

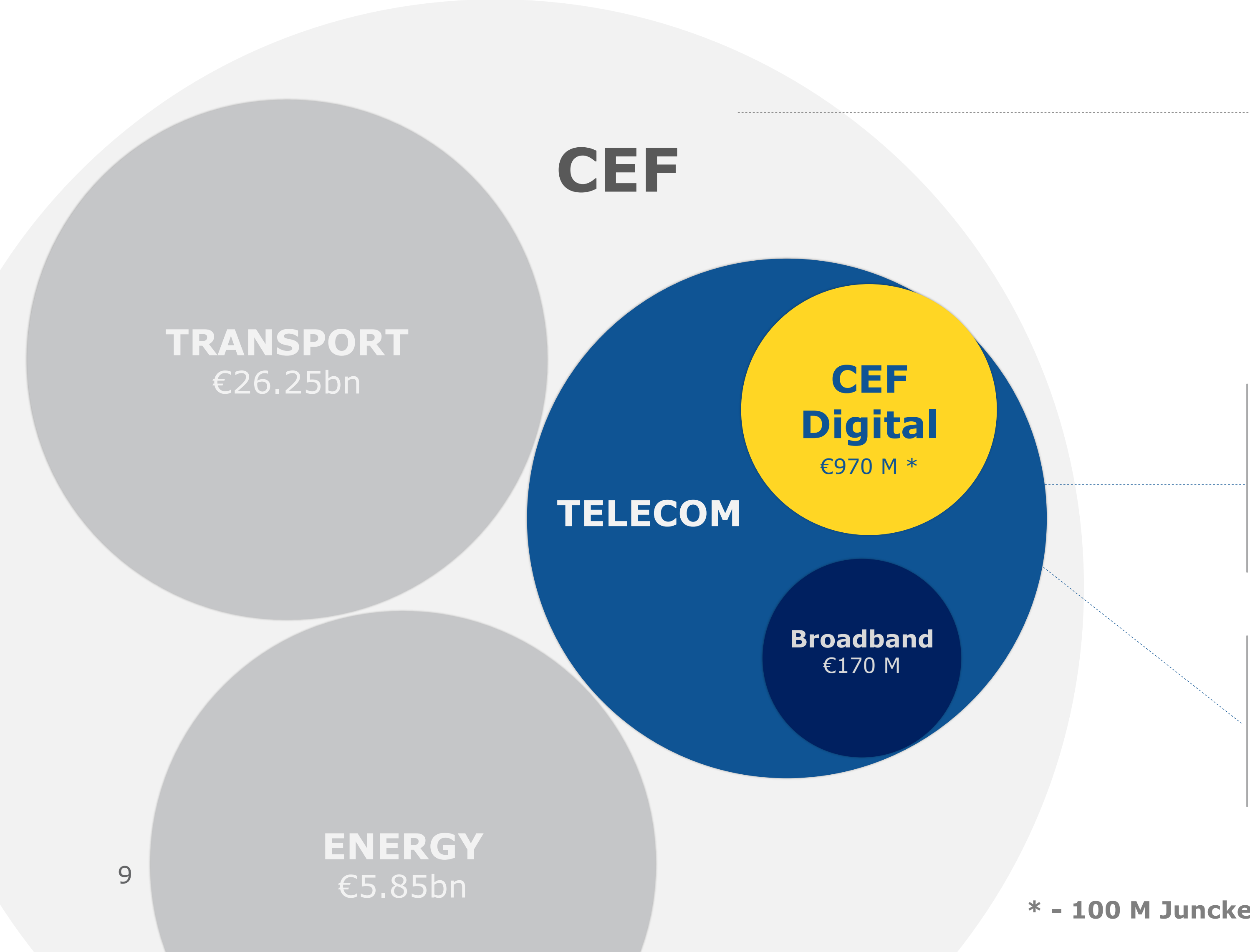


### eTranslation

Provide a multi-lingual public service



# The CEF building blocks are funded by the Connecting Europe Facility



### CEF Regulation

Defines how the Commission can finance support for the establishment of trans-European networks to reinforce an interconnected Europe.

### CEF Telecom Guidelines

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

### CEF Work Programmes

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

\* - 100 M Juncker Package



## Funding opportunities

Call	Open Calls	Deadline for submissions
CEF-TC-2019-1 <b>Automated Translation</b> (indicative budget: €4M)	14 February 2019	14 May 2019
CEF-TC-2019-1 <b>eID &amp; eSignature</b> (indicative budget: €5M)	14 February 2019	14 May 2019
CEF-TC-2019-1 <b>eDelivery</b> (indicative budget: €1M)	14 February 2019	14 May 2019
CEF-TC-2019-1 <b>eInvoicing</b> (indicative budget: €6.2M)	14 February 2019	14 May 2019

# How does CEF support projects to use the building blocks?

In two ways:

- **One**, it provides services to help you implement them in your system. There are a range of services across the building blocks but services typically include training, sample software, testing services.
- **Two**, CEF provides grant funding. You can apply for grant funding to pay for the implementation of a building block in you system. More information on how you can apply, grant winners and on-going projects is available via INEA's website.

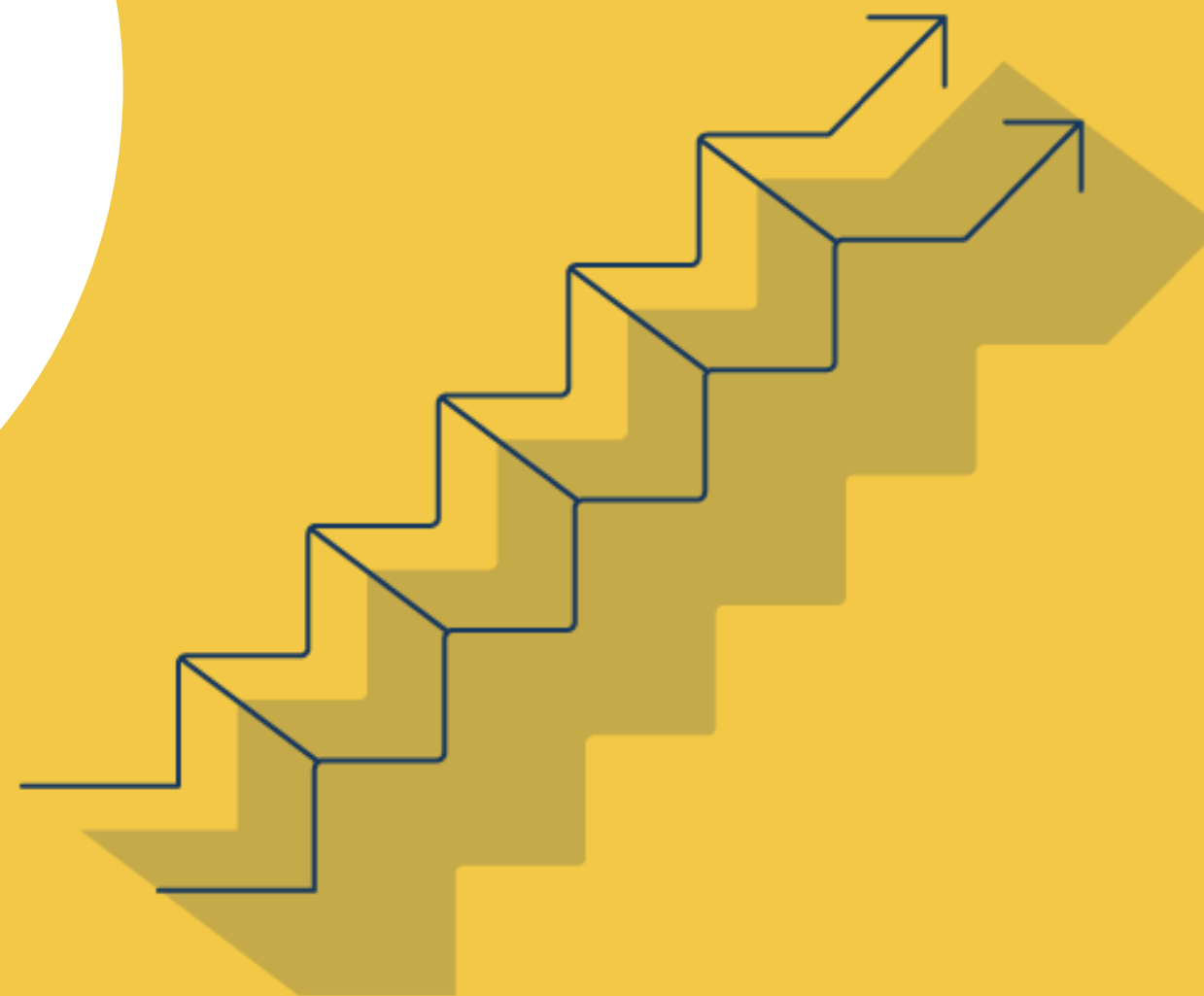
[Visit INEA Website](#)

# How many projects have used the building block?

**120**  
projects

[View Dashboard](#)

**Growing potential cases**  
are bringing us closer to  
fulfilling the dream.

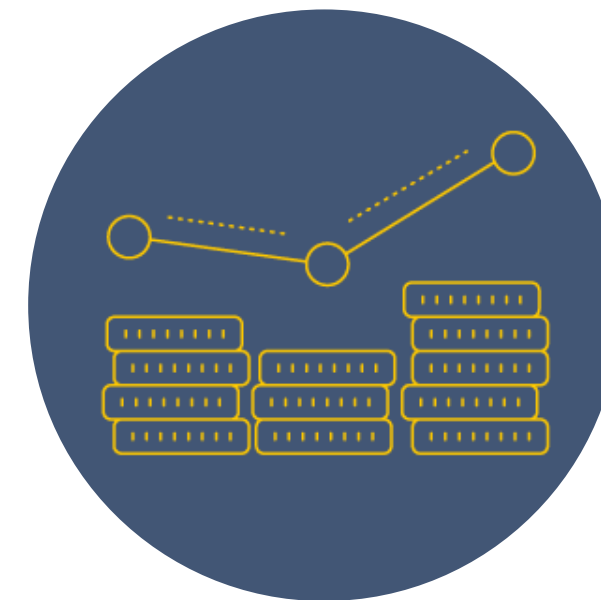


## Connected Europe

### Vision



**Great experience for  
citizens and businesses**



**Building a data-economy**



**Promoting cross-border  
interoperability**

# Success Stories

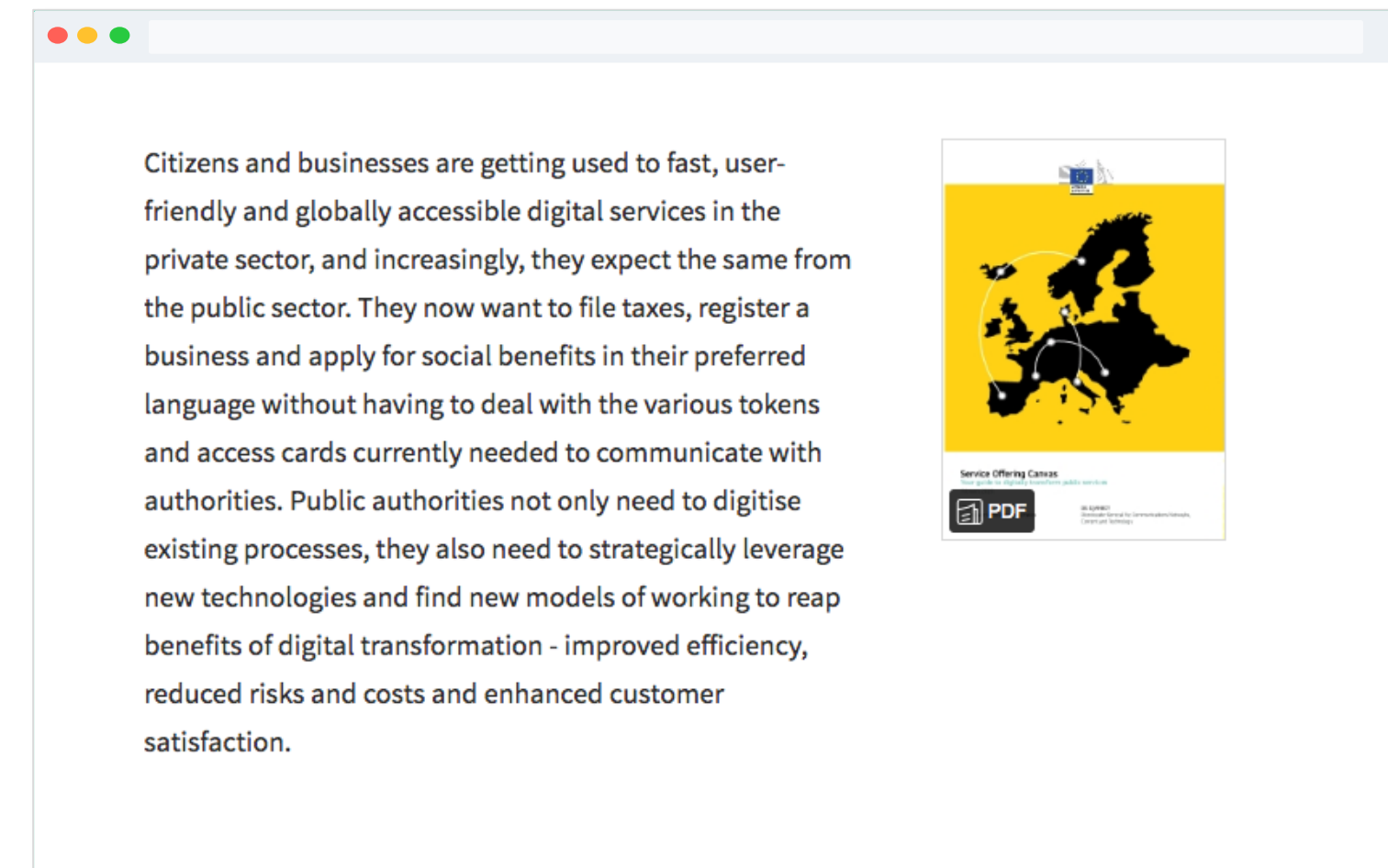
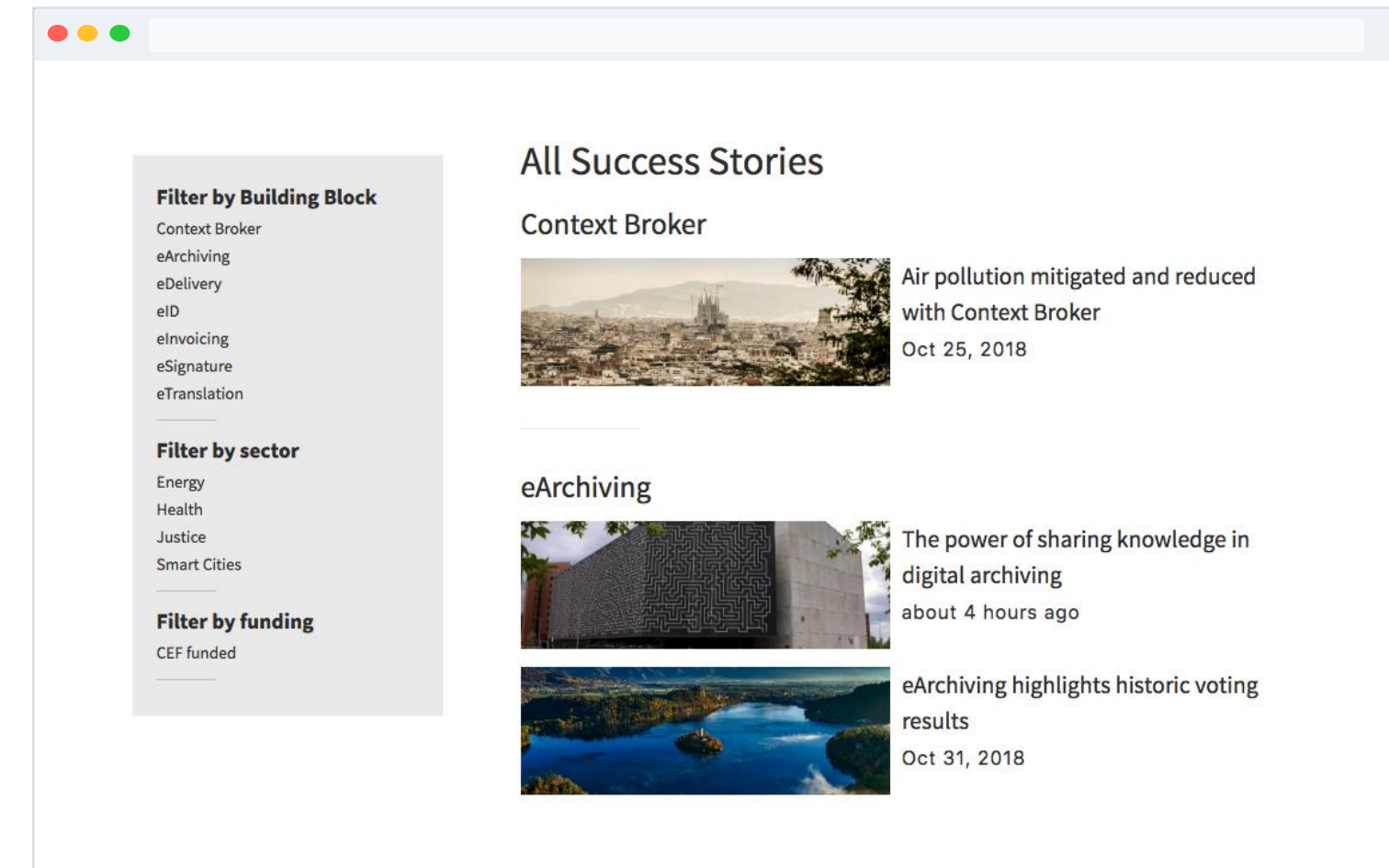
Our success stories provide insights into how projects have implemented the building blocks.

[Read the Success Stories](#)

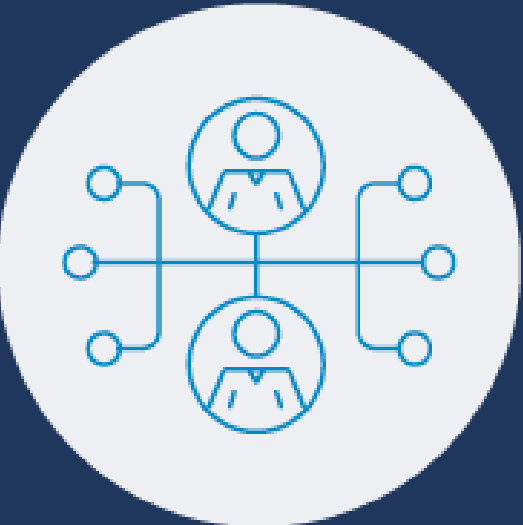
# Our Playbook

Learn how the CEF Programme uses the Service Offering Canvas to setup and operate the building blocks.

[See the Playbook](#)



# Main Benefits



**1**

The building blocks are mature, ready to deploy solutions that will save projects time and money.



**2**

The building blocks are based on open European standards so you avoid vendor lock-in.



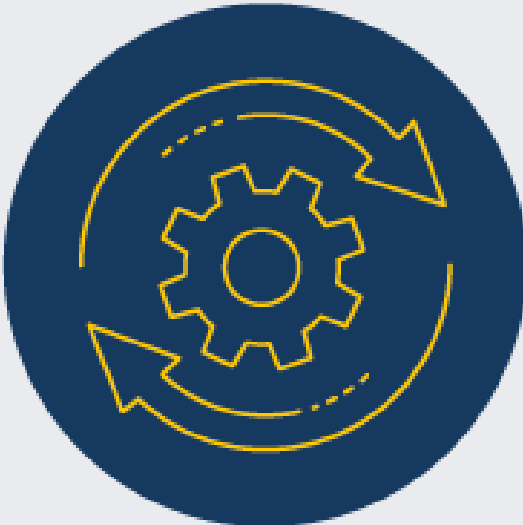
**3**

They help public administrations connect to collaborate to deliver a great European experience for citizens and businesses.

# How do we support you?

**1**

Apply for grant funding to pay for the implementation of a building block



**2**

The CEF Digital website has details of a range of services across to support your implementation



**3**

Our service desk is available for you to provide answers to any questions you may have



# Join us, we're Connecting Europe!

The vision is to deliver user-centric digital public services for citizens and seamless cross-border public services for businesses.

Public administrations must exchange data securely across borders in order to collaborate effectively and deliver a great experience to citizens and businesses.

Projects using the building blocks are supporting the digital transformation of Europe by implementing eIDAS and contributing to the digital single market.



# Ready to get started?

Reach out to us to learn more!

Or visit our website [www.ec.europa.eu/cefdigital](http://www.ec.europa.eu/cefdigital)

