



CEF Digital Building Blocks and Their Role for Procuring Digital Services

Joao Rodrigues Frade

Head of Sector – CEF Building Blocks
DIGIT - Directorate-General for Informatics



A Top 10 Commission Priority

The Digital Single Market

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

Tallinn Declaration

A guide to Europe's digital transformation in **seven Principles**:

1. Digital-by-default
2. Once only
3. Trustworthiness and Security
4. Openness and transparency
5. Interoperability by default
6. Horizontal enabling policy steps
7. User Centricity



Digital transformation presents new challenges

New EU-wide regulations are being designed to support the ongoing digital transformation, for example:

- eIDAS (electronic IDentification, Authentication and trust Services);
- GDPR (General Data Protection Regulation);
- eInvoicing Directive (electronic invoicing in public procurement)



Digital services are progressively having the same legal validity as traditional paper process.



As a result, **digital services** must be trusted and work securely across borders (a.k.a. interoperability).



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 new EU-wide
regulations will enable
convenient **cross-border**
online digital services.



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.

Main Commission's instruments to advance the Digital Single Market



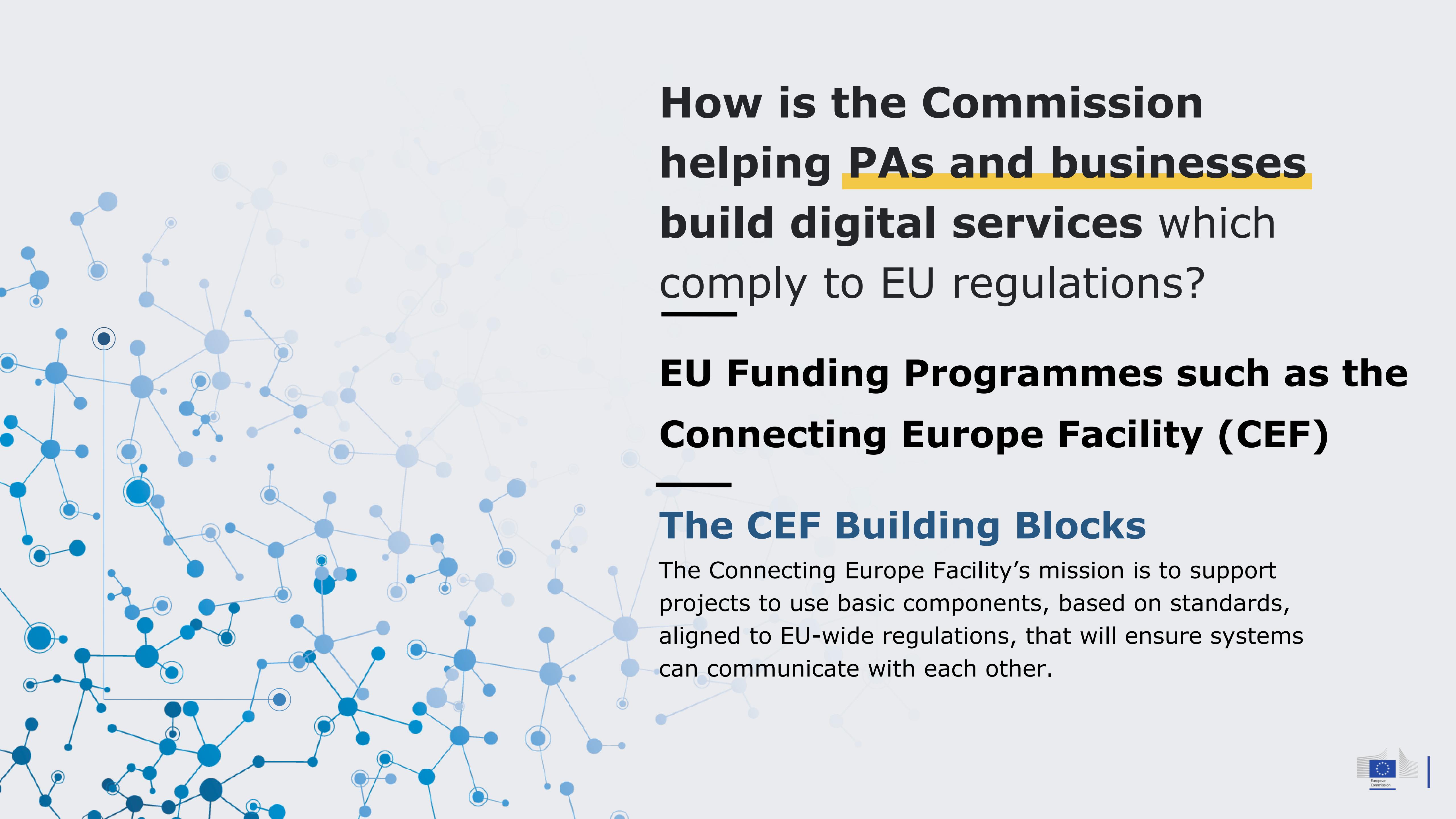
Creating a legal framework

Through EU Regulations



Making it easy

Through EU funding Programmes



How is the Commission helping PAs and businesses build digital services which comply to EU regulations?

EU Funding Programmes such as the Connecting Europe Facility (CEF)

The CEF Building Blocks

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

CEF is a funding instrument that will contribute to the completion of the European Digital Single Market

I

Funds Commission projects to digitise key sectors reusing building blocks as much as possible

Justice, home affairs and citizens' rights



eJustice Portal



ODR

Science and Technology



Open Data

Business



BRIS

Employment and Social Rights



EESSI

etc.



IDENTIFY with
eID



SIGN with
eSignature



EXCHANGE with
eDelivery



INVOICE with
eInvoicing



TRANSLATE with
eTranslation

...

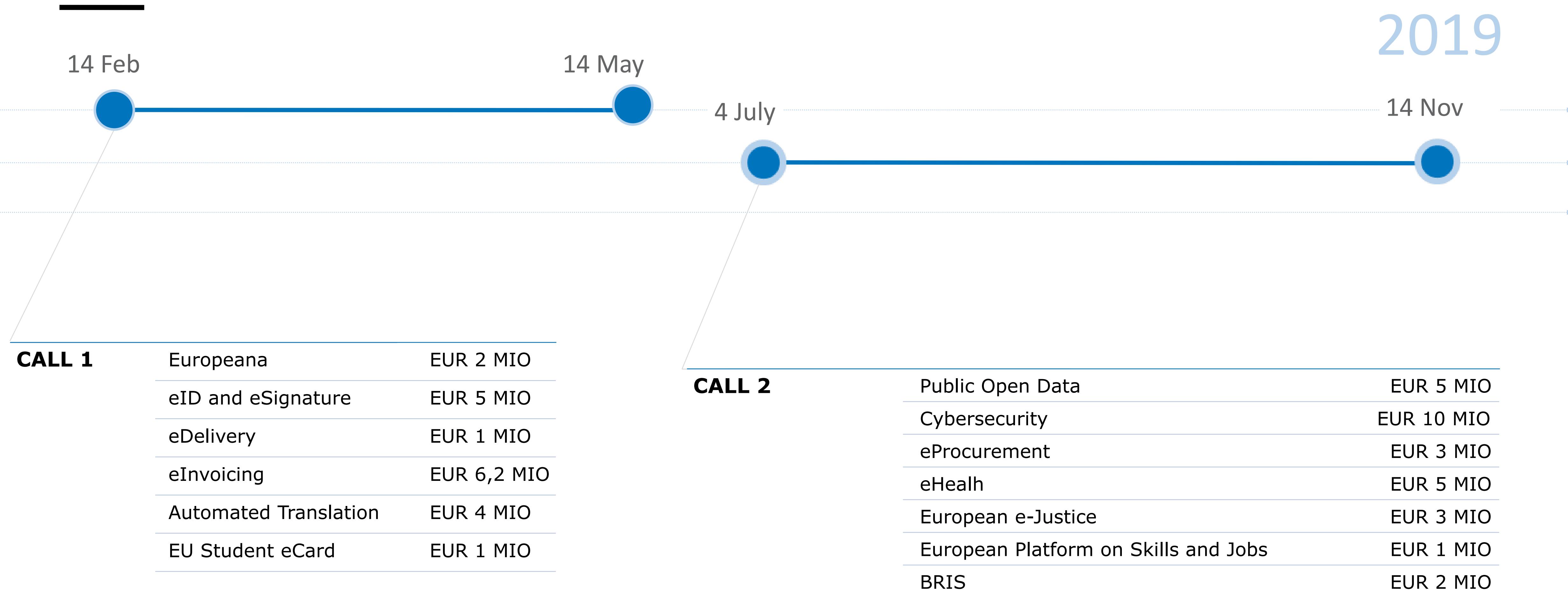
II

Grants to participate in projects



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

2019 CEF Telecom calls



* Indicative dates

Two opportunities for SMEs

Free Services

1. **Digital transformation of public administrations**

CEF is creating a market based on standards.
SMEs and startups can build businesses that support the transformation of PAs because of those standards

2. **Digital Transformation of SMEs**

SMEs can use the CEF building blocks to digitally transform their own processes that will lower costs, increase efficiency and create a platform for further digital innovation.



Training
sessions



Sample
software



Testing
services

How can I use a Building Block?

Build, buy or reuse the building blocks by your own.

Co-develop the solution or partner with other parties.

Co-develop and partner

With other parties



Build

The solution from scratch based on a European standard



Buy

A compliant solution from the market



Reuse

A sample software available on CEF website

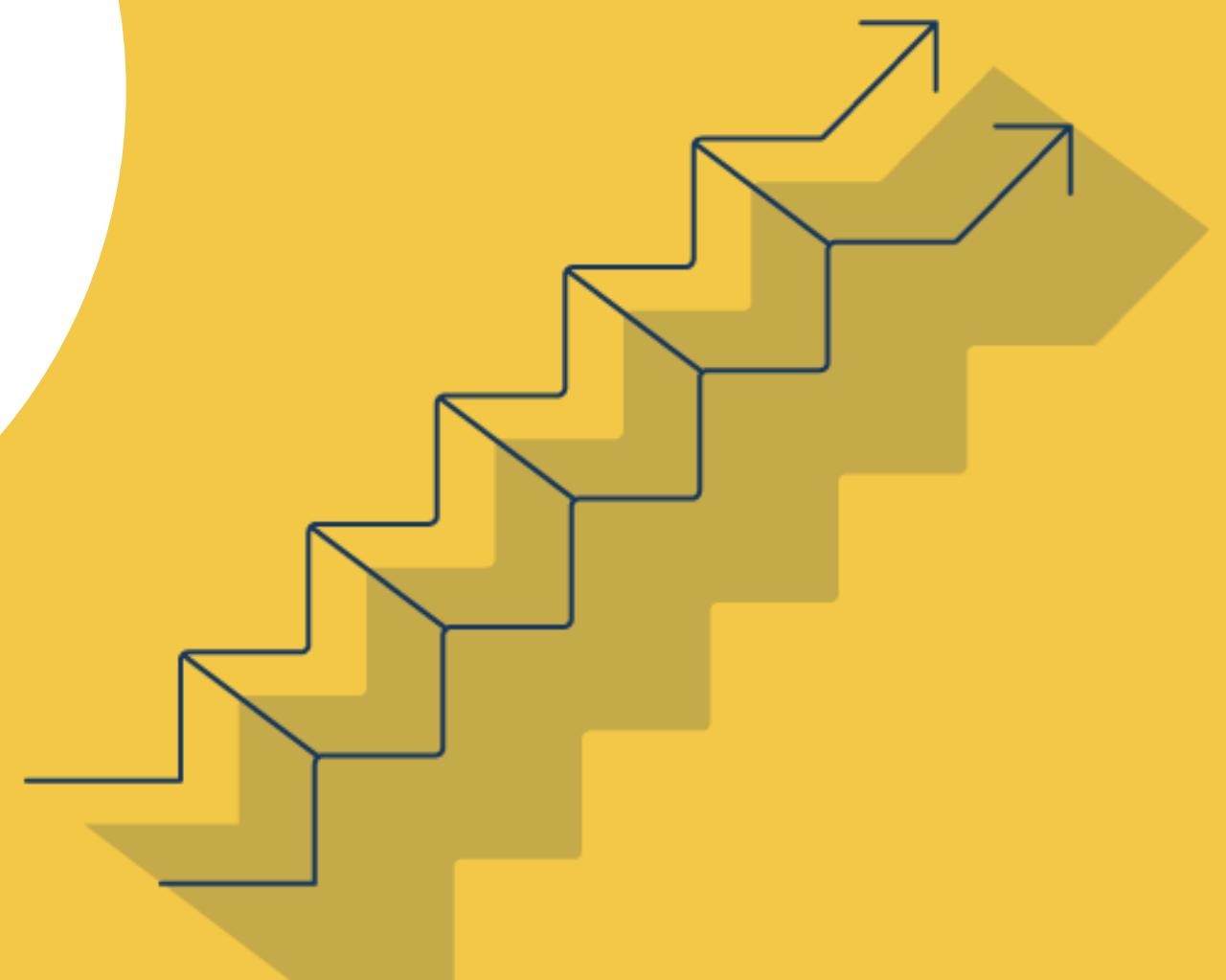
European Standards

How many projects have used the building block?

120
projects

[View Dashboard](#)

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

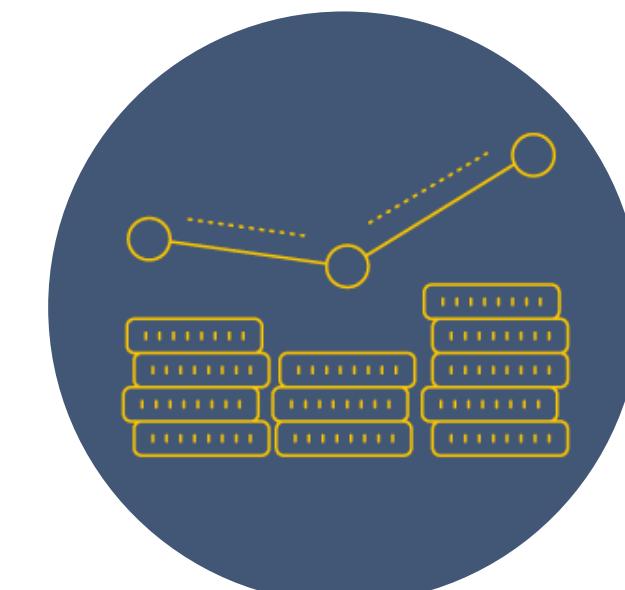


Connected Europe

Vision



**Great experience for
citizens and businesses**

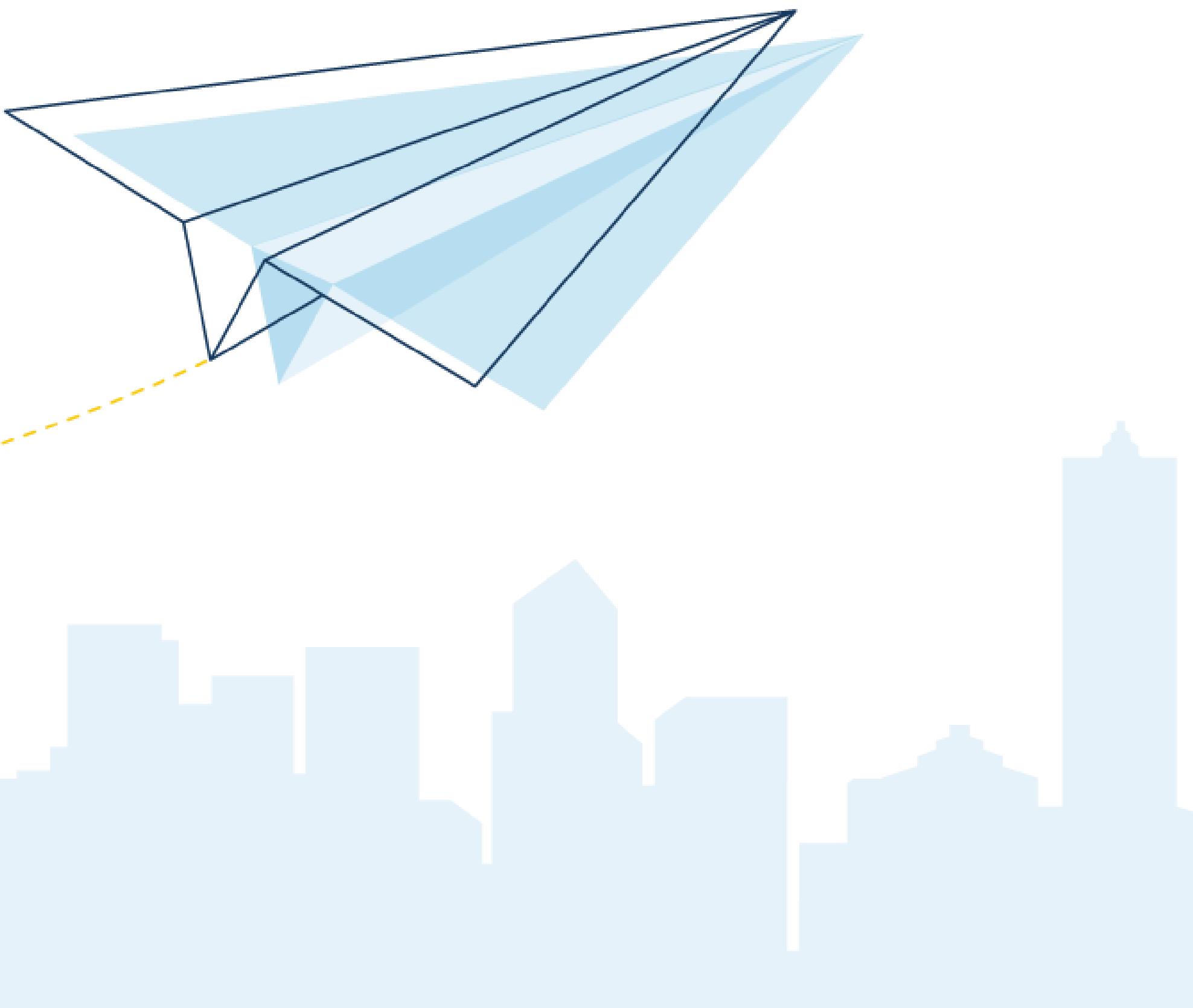


Building a data-economy



**Promoting cross-border
interoperability**

Ready to get started?



Visit our website

Learn more on how to get started with the building blocks and get access to specific content such as our Success Stories, tech articles, sample software / specifications, etc.

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

Contact us

Do you want to use the building blocks for your project? Do you want to tell us more about your project?

Contact us: cef-building-block@ec.europa.eu

#ConnectingEurope

