



CEF Building Blocks, FIWARE and ISA

How European governments can accelerate their Digital Transformation

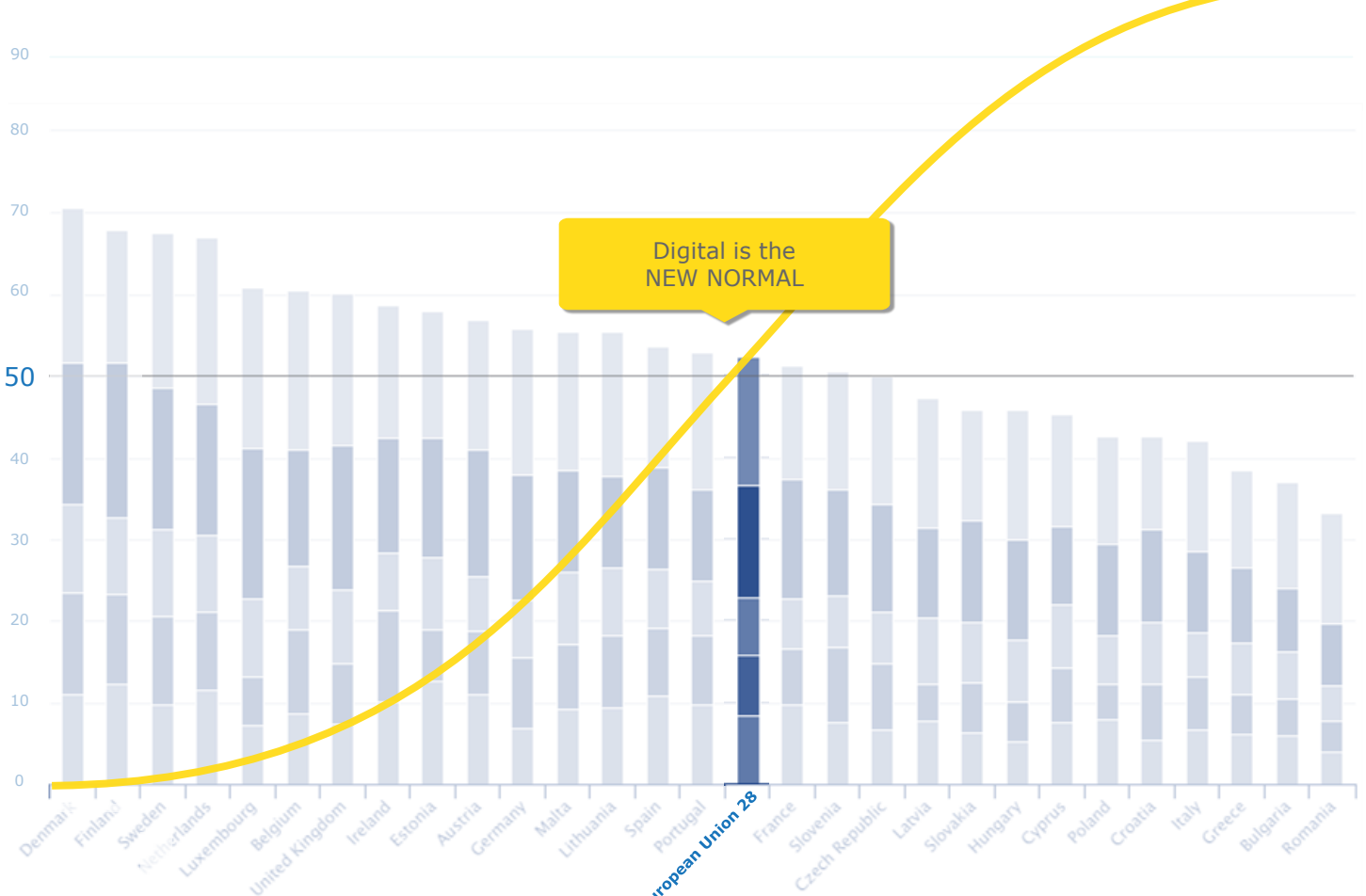
Joao Rodrigues Frade
DIGIT
Directorate-General
for Informatics

Overall Digital Economy and Society Index - 2017



100

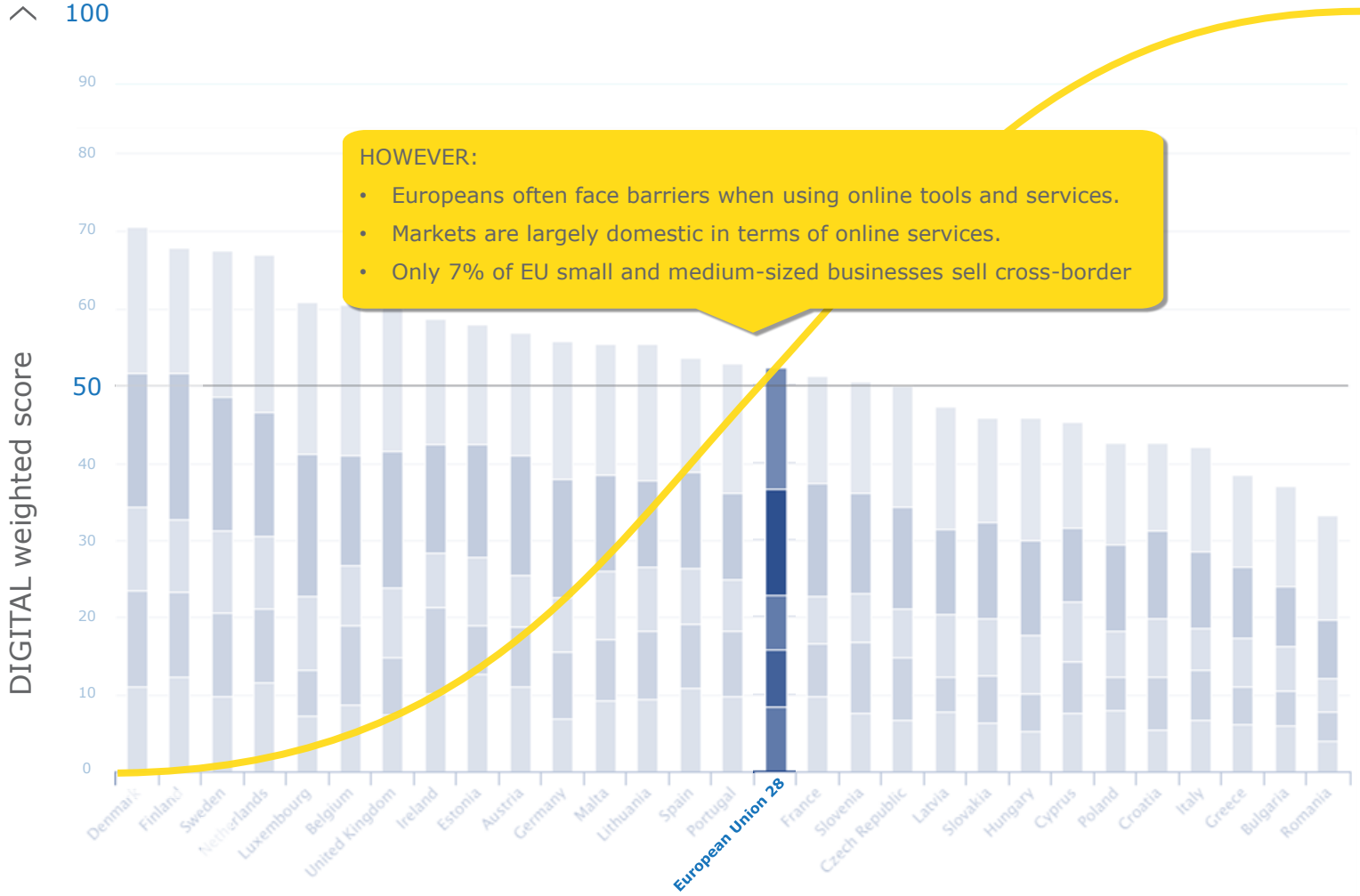
DIGITAL weighted score



Digital is the NEW NORMAL

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

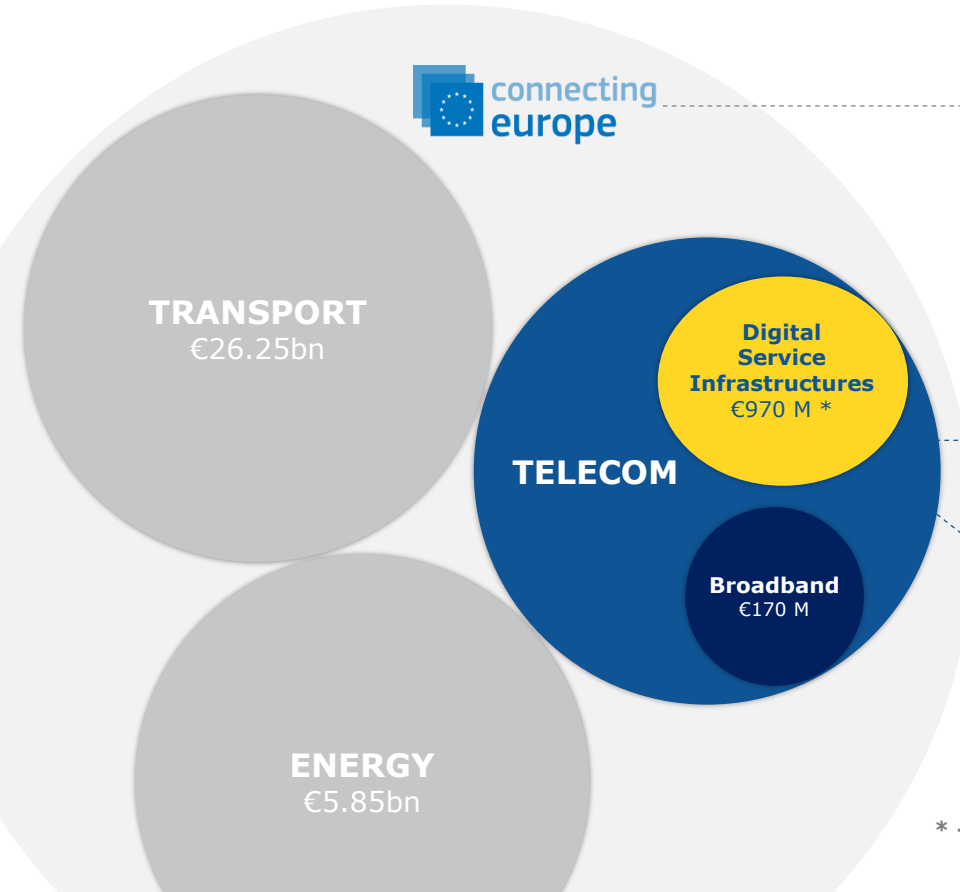
Overall Digital Economy and Society Index - 2017



Overall Digital Economy and Society Index - 2017



The Connecting Europe Facility – funding programme 2014 -2020



CEF Regulation

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

CEF Telecom Guidelines

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

CEF Work Programmes

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

* - 100 M Juncker Package

CEF supports the creation of a functioning Digital Single Market

*Funding at EU LEVEL
(Commission)*

Justice, home affairs and
citizens' rights



eJustice Portal



ODR

Science and
Technology



Open Data

Business



BRIS

Employment and
Social Rights



EESSI

etc.

*Funding for the
MEMBER STATES*

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

We're the
Digital
Citizens of
the Future

Authentication based on eID systems in the Member States



IDENTIFY
with **eID**

eTranslation



TRANSLATE
with **eTranslation**

Electronic Invoicing



INVOICE
with **eInvoicing**

Recognition of eSignatures



SIGN
with **eSignature**

Secure exchange data and documents



EXCHANGE
with **eDelivery**

Example: CEF building blocks power the eJustice Portal



The Portal was launched on 16 July 2010 and has been expanded ever since – today it has **approximately 300.000 visitors each month.**

The Portal's objective is to contribute to the creation of a European judicial area by facilitating access to justice and **enable electronic cross-border judicial proceedings and judicial cooperation.**



e-justice.europa.eu

Multiple Languages

eTranslation

building block

Send documents securely

eDelivery

building block



Secure Authentication

eID

building block

Easily sign documents

eSignature

building block

Access
Point

Internet

Access
Point

Germany

Access
Point

Italy

Access
Point

Portugal

The Building Block approach at a glance

Funding at EU LEVEL
(Commission)

Justice, home affairs and
citizens' rights



eJustice Portal



ODR



Open Data



BRIS



EESSI

etc.



IDENTIFY
with eID



SIGN
with eSignature



INVOICE
with eInvoicing



EXCHANGE
with eDelivery



TRANSLATE
with eTranslation

Funding for the
MEMBER STATES

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

Ongoing collaboration between CEF and FIWARE

Funding at EU LEVEL
(Commission)

Justice, home affairs and
citizens' rights

Science and
Technology

Business

Employment and
Social Rights



eJustice Portal



ODR



Open Data



BRIS



EESSI

etc.

In FIWARE called
Generic Enablers



IDENTIFY
with eID



SIGN
with eSignature



INVOICE
with eInvoicing



EXCHANGE
with eDelivery

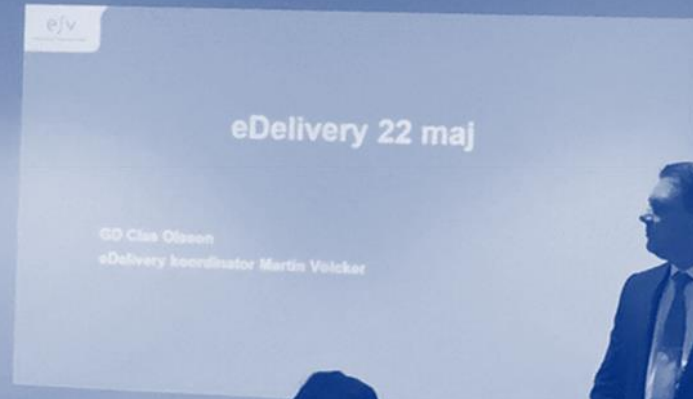


TRANSLATE
with eTranslation

Funding for the
MEMBER STATES

Typically 'deployment'
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Example: eDelivery is part of FIWARE's catalogue of Generic Enablers

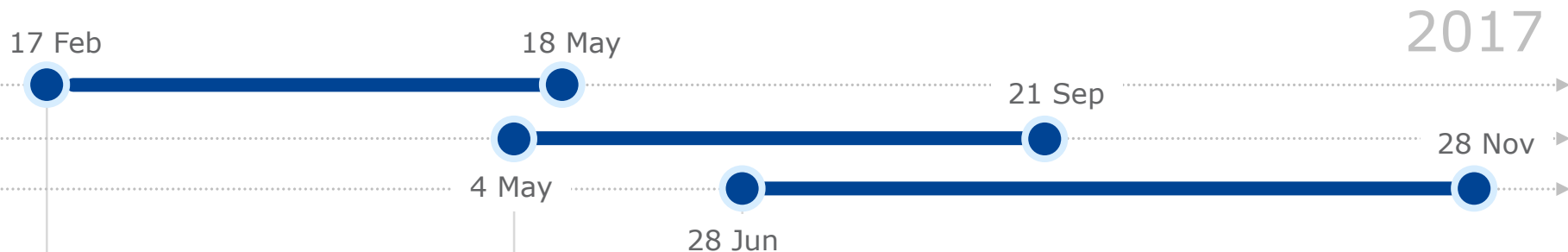


FIWARE CLOUD

What do you need to get started: only a keyboard!

Start [Domibus on FIWARE Lab](#) for free

Join the eDelivery wave, apply to the CEF grants



CALL 1

Budget

Business Registers Interconnection System (BRIS)	€2 mln
Exchange of Social Security Information (EESSI)	€17 mln
European eJustice Portal	€1.5 mln
eIdentification and eSignature	€7 mln

CALL 2

Budget

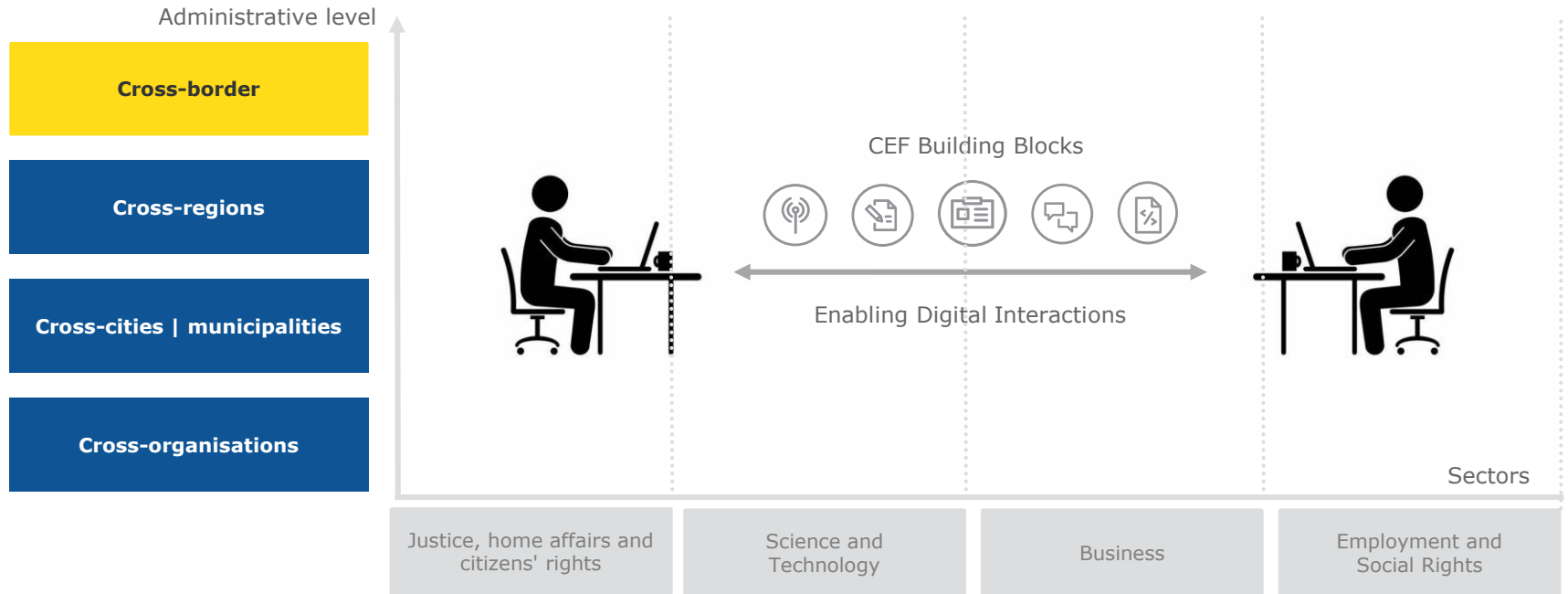
eDelivery	€0.5 mln
Cyber Security	€12 mln
eProcurement	€4 mln
eHealth	€9 mln

CALL 3

Budget

eTranslation	€6 mln
Public Open Data	€6 mln
eInvoicing	€10 mln
Europeana Generic Services	€2 mln

WHY? Building Blocks **break silos** between admin levels and sectors



Not convinced? Research* shows that reuse of building block like solutions:



REDUCES COSTS

**20% to 40%
cost savings**

By benefiting from common services and proven technology



SHORTENS TIME TO MARKET

**40% to 50%
performance gains**

Value-add time

Total lead time



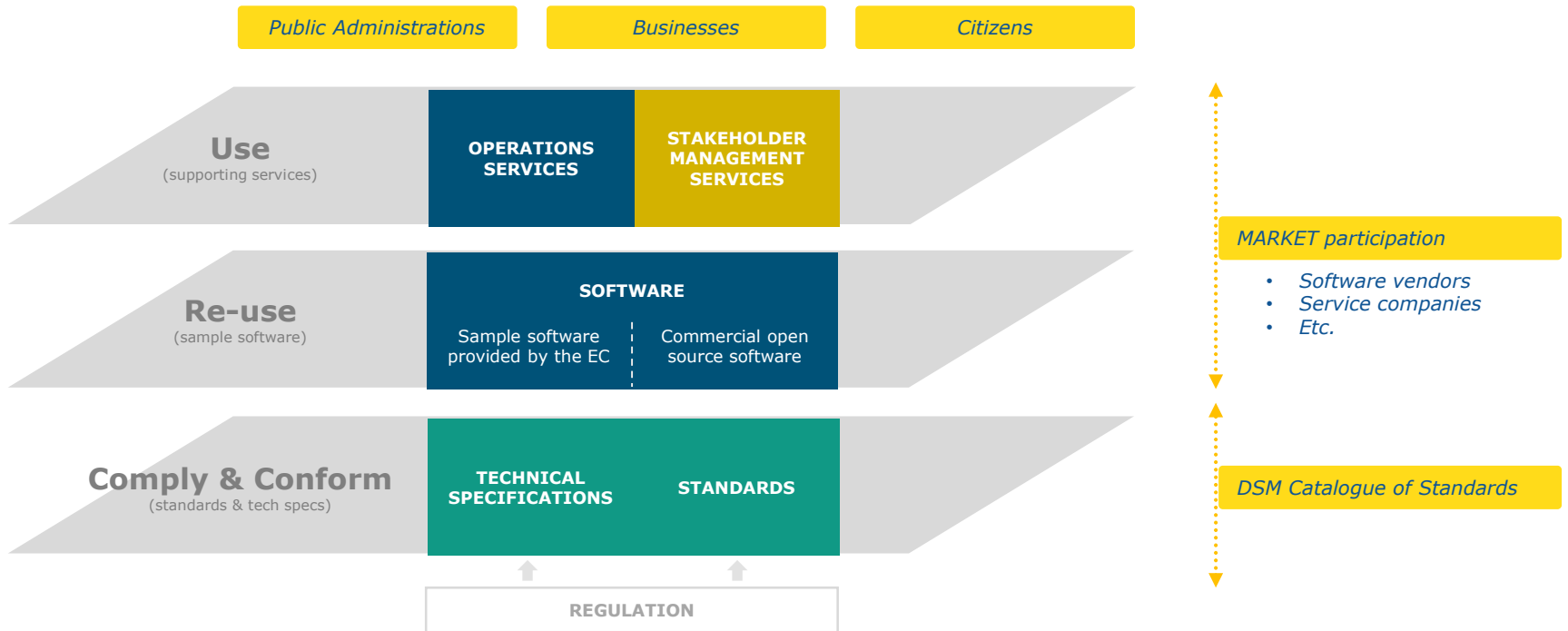
PROMOTES SIMPLIFICATION

At all levels

Including the allocation and mobility of human resources (expertise pools)

* Joint research paper between Gartner research and the MIT




How can I start benefiting from a building block? <https://ec.europa.eu/cefdigital/>



Reuse of building blocks across-sectors is real

example of reuse of building blocks within the CEF Programme

Sector Specific DSIs		eDelivery	eSignature	eID	eTranslation	eInvoicing
						
Europeana	DG CONNECT				Commitment to analyse	
Safer internet	DG CONNECT		Commitment to reuse	Commitment to reuse	Commitment to analyse	
Public open data	DG CONNECT			Reusing	Reusing	
ODR	DG JUST	Commitment to reuse	Commitment to analyse	Reusing	Reusing	
eHealth	DG SANTE	Commitment to reuse	Commitment to analyse	Commitment to reuse		
eProcurement	DG GROW	Commitment to reuse		Commitment to reuse		
EESSI	DG EMPL	Commitment to reuse		Commitment to reuse	Commitment to reuse	
EU e-Justice portal	DG JUST	Reusing	Commitment to reuse	Reusing	Reusing	
BRIS (ECP)	DG JUST	Commitment to reuse	Commitment to reuse		Commitment to analyse	
Cybersecurity	DG CONNECT	Commitment to analyse		Commitment to analyse		
eTranslation	DGT	Commitment to analyse				
eInvoicing	DG GROW	Reusing				

 Commitment to analyse
 Commitment to reuse
 Reusing

the ISA² Programme promotes Sharing & Reuse

17 awarded IT solutions



Moving forward, how to identify new building blocks?

ISA PROGRAMME

FIWARE FOUNDATION

Top Down

Regulation

eIDAS | eInvoicing



IDENTIFY
with eID



SIGN
with eSignature



INVOICE
with eInvoicing



EXCHANGE
with eDelivery



Bottom Up

MS Large Scale Pilots

Large Scale Pilots (PEPPOL, STORK, etc.)

Next Steps of our collaboration

TRUST CLUSTER

eInvoicing



eTranslation



eSignature



eID



eDelivery



DATA CLUSTER

Main area of future developments

- Open
- Real Time
- Big

CLOUD INFRASTRUCTURE

To know more, key websites

CEF Building Blocks

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

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

Joinup

Collaborative platform of the ISA² Programme and a catalogue of reusable solutions.

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

GRANTS

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

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

eGovernment

On this platform you have the opportunity to contribute to the eGovernment Action Plan 2016 – 2020.

<https://ec.europa.eu/futurium/en/egovernment4eu>

Find out more on CEF Digital

ec.europa.eu/cefdigital

Login Support



CEF DIGITAL



European Commission

LATEST

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

The CEF Building Blocks

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

About the Building Blocks

eDelivery

eID

eInvoicing

eSignature

eTranslation

Learn More >



Collaborative spaces

Check them out

Grants

Apply Now

Visit INEA's website

Latest News

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

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