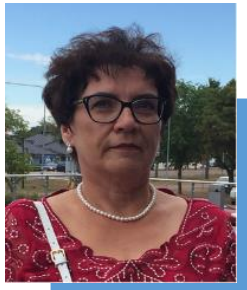
ISA² Programme

Boosting digital public administrations at European level

#EURegionsWeek
Brussels, 10/10/2018

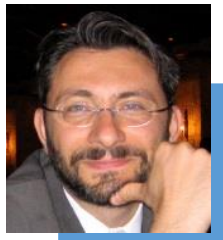
Natalia ARISTIMUÑO PEREZ

- DG Informatics – Unit D2- Interoperability



Ann-Kerstin MYLEUS

DG Regional and Urban Policy - Unit E1 "Competence Centre for Administrative Capacity-Building and the Solidarity Fund"



Konstantinos DRYLLERAKIS

- *Advisor on Digital Public Administration to the*
- *Structural Reform Support Service (SRSS)*

Frank LEYMAN

- *Chief Information Officer of Belgium*

Miguel A. Amutio Gomez

- *Deputy Director of Coordination of IT Units, Secretary General of Public Administrations, Spain*

ISA² Programme

Boosting digital public administrations at European level

Natalia Aristimuño Perez

Head of Interoperability Unit
Directorate General for Informatics (DG DIGIT) European Commission

ISA² boosting digital public administrations in Europe

The ISA² programme – Policy context

Contributes to the implementation of the **eGov Action Plan** (2016-2020) and the **EIF**

Contributes to completing the **DSM**

Importance stressed in the **Ministerial eGov Declaration from Tallinn of 6 October 2017**

Complements other EC programmes, e.g. CEF, European Social Fund (**Operational Programme, administrative capacity), Regional funds**

Contributes to many EU policies, e.g. Open DATA initiative, the PSI directive, TOOP, Digital Single Gateway and **Digital Agenda for the Western Balkans**

ISA² Programme

Interoperability solutions for public administrations, businesses and citizens

ISA Programme (2010 to 2015)

ISA² Programme (2016 to 2020)

EUR 131 million programme supporting the development of **digital solutions** that enable public administrations, businesses and citizens in Europe to benefit from interoperable cross-border and cross-sector public services.

All solutions are **open source** and available **free of charge** to any interested public administration in Europe.

For public administrations

Reduced time and cost for the development of IT solutions
Solutions that work smoothly across borders and/or sectors
High end-user satisfaction thanks to efficient administrative procedures

For businesses and citizens

Quicker and cheaper administrative procedures
Less red tape

ISA² Work Programme

European Commission

Mid June

1st Phase

Request fo proposals

mid Aug

2nd Phase

Deadline

- Refinment
- Discussion
- Search for synergies
- Prioritisation

mid Oct

3rd Phase

CG meeting

- Discussion on proposals with MSs

mid Dec

4th Phase

Preparation of draft WP

- Updating WP based on MS feedback. Merging proposals and actions
- interservice consultation
- Sending final draft to MS

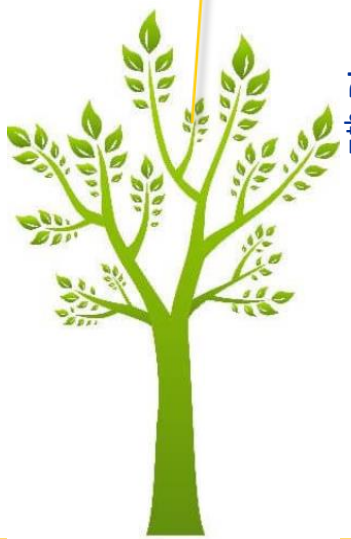
ISA²

mid January

5th Phase

ISA2 Committee

- formal opinion



mid March

6th Phase

ISA² Work Programme adopted

European Commission

EUROPEAN INTEROPERABILITY FRAMEWORK

GUIDING EU MEMBER STATES SINCE 2005

2005 — 2010 — 2016 — 2020

IDABC Programme

Interchange of Data between Administrations, Businesses and Citizens

EIF V1

ISA Programme

Interoperability Solutions for Public Administrations

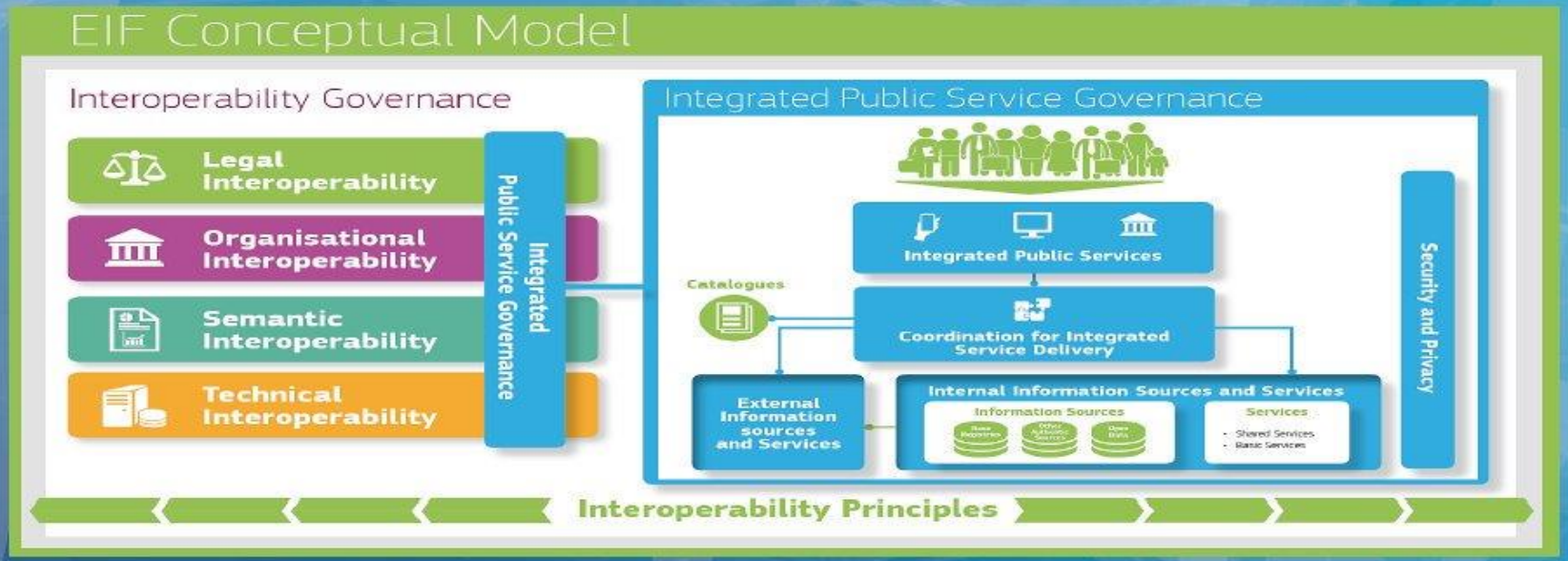
EIF V2

ISA² Programme

Interoperability Solutions for Public Administrations, Businesses and Citizens

EIF V3

EIF Conceptual Model



Check out our interoperable open source solutions

The political context:

Tallinn Declaration

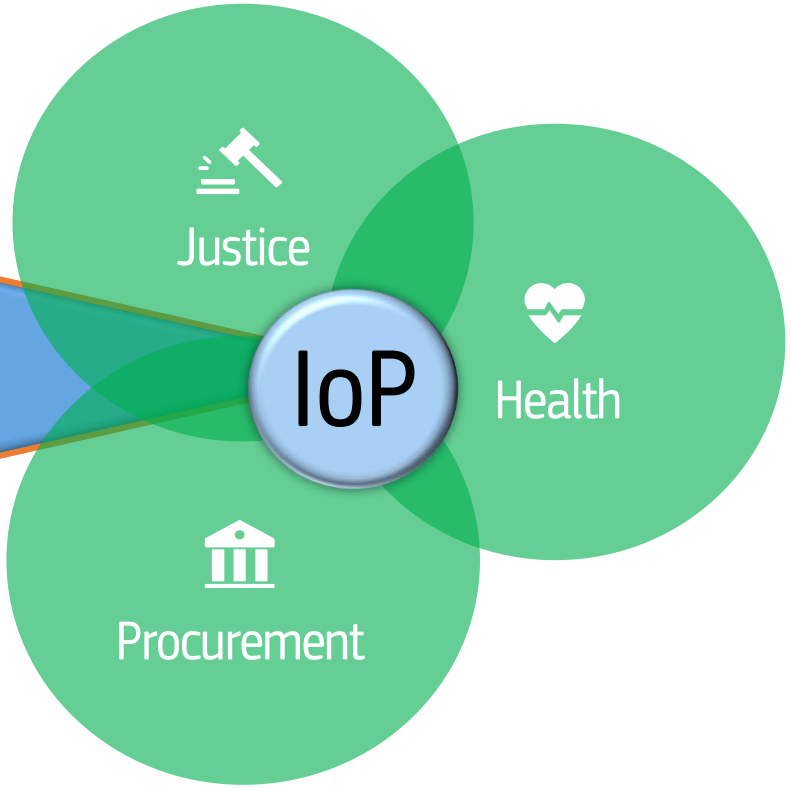
"We confirm our commitment to the vision laid out in the EU eGovernment Action Plan 2016-2020 and in the European Interoperability Framework"

Ministerial Declaration on eGovernment
The Tallinn Declaration, Friday 6 October 2017

The political context: Tallinn Declaration

The Tallinn Declaration recognised that the digital transformation of public administration can be greatly facilitated by interoperability (IoP)

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. Cross-border by default



Interoperability principles VS EU Cohesion policy TOs

1: Subsidiarity and proportionality
1 recommendation

2: Openness
3 recommendations

3: Transparency
1 recommendation

4: Reusability
2 recommendations

5: Technological neutrality and data portability
2 recommendations

6: User-centricity
4 recommendations

7 Inclusion and accessibility

8: Security and privacy
1 recommendation

9: Multilingualism
1 recommendation

10 Administrations simplification

11: Preservation of information
1 recommendation

12 Assessment of Effectiveness and Efficiency

Strengthening research, technological development and innovation

TO2: Enhancing access to, and use and quality of information and communication technologies (ICT)

Enhancing the competitiveness of small and medium-sized enterprises (SMEs)

Supporting the shift towards a low-carbon economy in all sectors

Promoting climate change adaptation, risk prevention and management

Preserving and protecting the environment and promoting resource efficiency

Promoting sustainable transport and removing bottlenecks in key network infrastructures

Promoting sustainable and quality employment and supporting labour mobility

Promoting social inclusion, combating poverty and any discrimination

Investing in education, training and vocational training for skills and lifelong learning

TO11: Enhancing institutional capacity of public authorities and stakeholders and efficient public administration

e-tools for networking and boosting administrative capacity for EU funds management

Ann-Kerstin MYLEUS DG Regional and

Urban Policy - Unit E1 "Competence Centre for Administrative Capacity-Building and the Solidarity

TAIEX-REGIO PEER 2 PEER

Instrument to facilitate exchange of experience among Member States on ERDF and CF issues

What is an exchange?

Expert missions

Up to 5 Days

Study visits

Up to 5 Days

Workshops

Up to 2 Days

A few figures

- **Launched in 2015**
- **158 exchanges organised**
- **2258 participants**
- **27 Member States**

Popular topics

- Management and control
- Financial instruments
- Smart specialisation
- Public procurement
- State aid

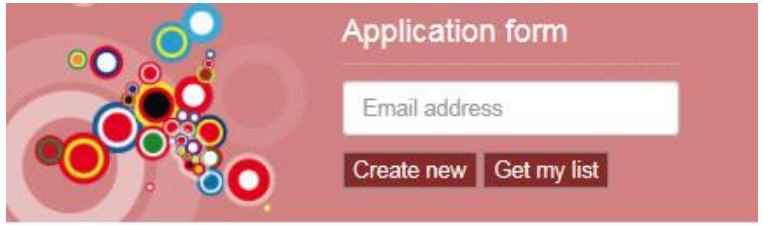
How to apply?

✓Online http://ec.europa.eu/regional_policy/p2p

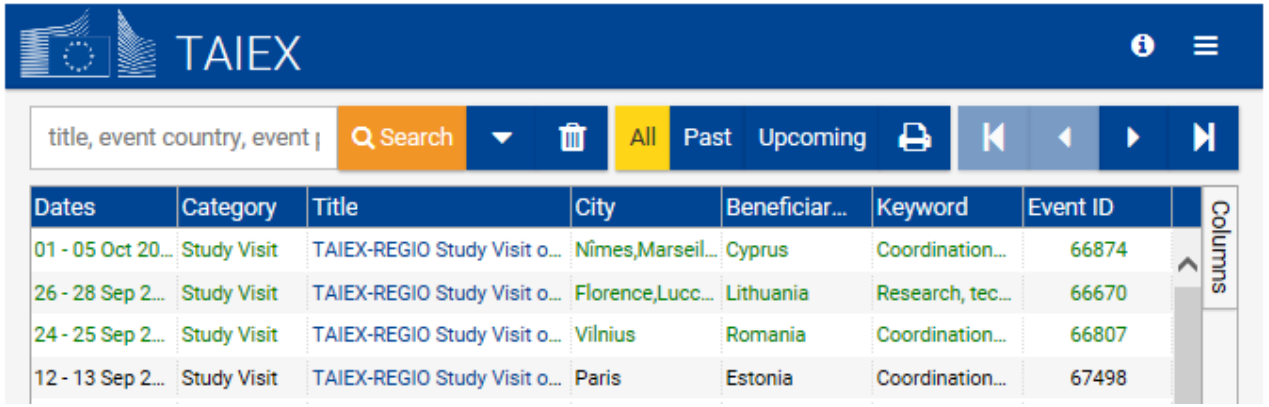
List of events & materials

✓ PEER 2 PEER website

http://ec.europa.eu/regional_policy/p2p



Find information on TAIEX-REGIO PEER 2 PEER events: TAIEX Library. Information provided includes the agendas and expert presentations.



Do you need assistance?

Applications could be submitted by using the

Online application

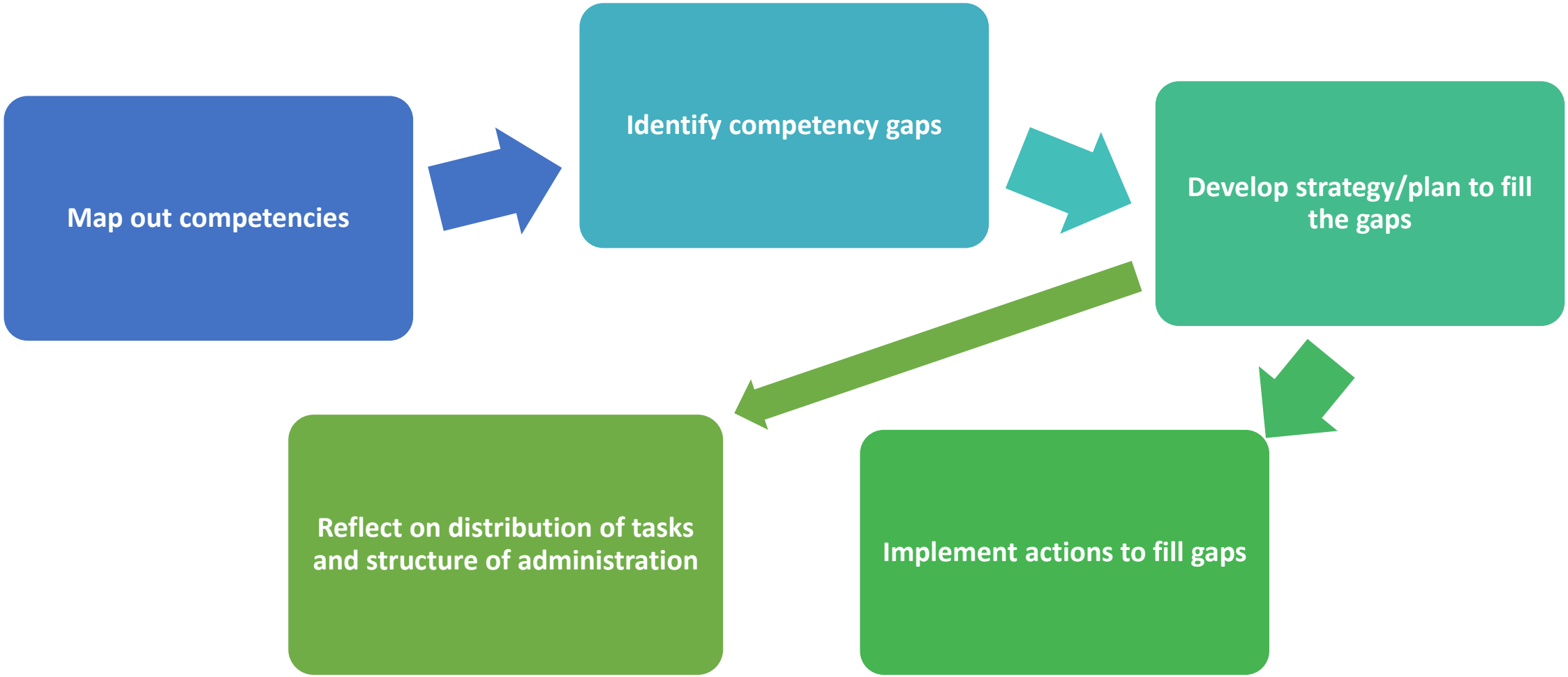
Are you a public official willing to share your knowledge and expertise and engage in exchange of good practice. Please register through

Experts Database

Your institution is eager to host study visit from another Member State please sign up here:

Host Institutions Database

How ensure that administrations have the right competencies?



EU Competency Framework for management and implementation of ERDF/Cohesion Fund

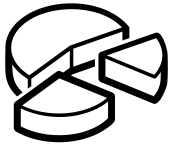
1. EU Competency Framework

2. Web based Self-Assessment Tool

User Guidelines

3. Competency Assessment on-line

4. Institution Analysis



5. Learning and development Plan

6. Capacity Building

The Open Data Platform

The tool provides access to data on financing and achievements under ESI Funds 2014-2020

Over 530 programmes are covered

The platform visualises the latest data available on

- EU payments (daily updates)
- achievements,
- finances implemented

https://cohesiondata.ec.europa.eu/

Use of the tool

Data can be explored by using one of the 4 options.

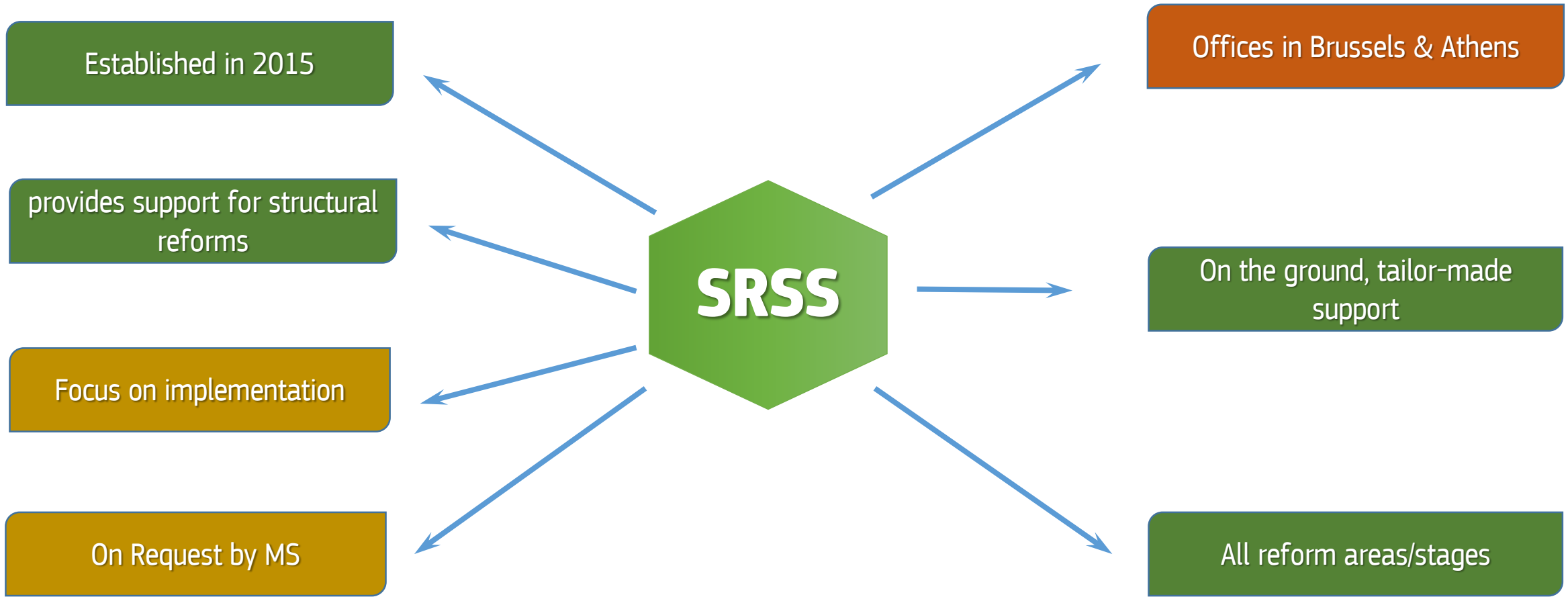
Progress in delivering investments at EU level, by theme, by Member State (linked to programmes) or by fund can be checked.

Datasets can be visualised, embedded in other sites or downloaded to analyse.

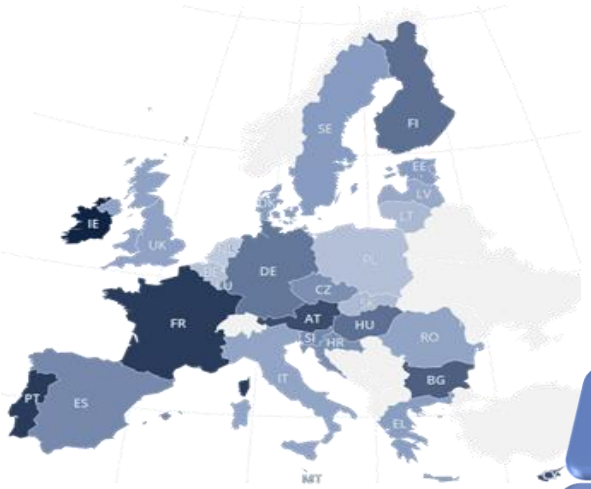
Konstantinos DRYLLERAKIS

Advisor on Digital Public Administration to the Structural Reform Support Service (SRSS)

About the SRSS



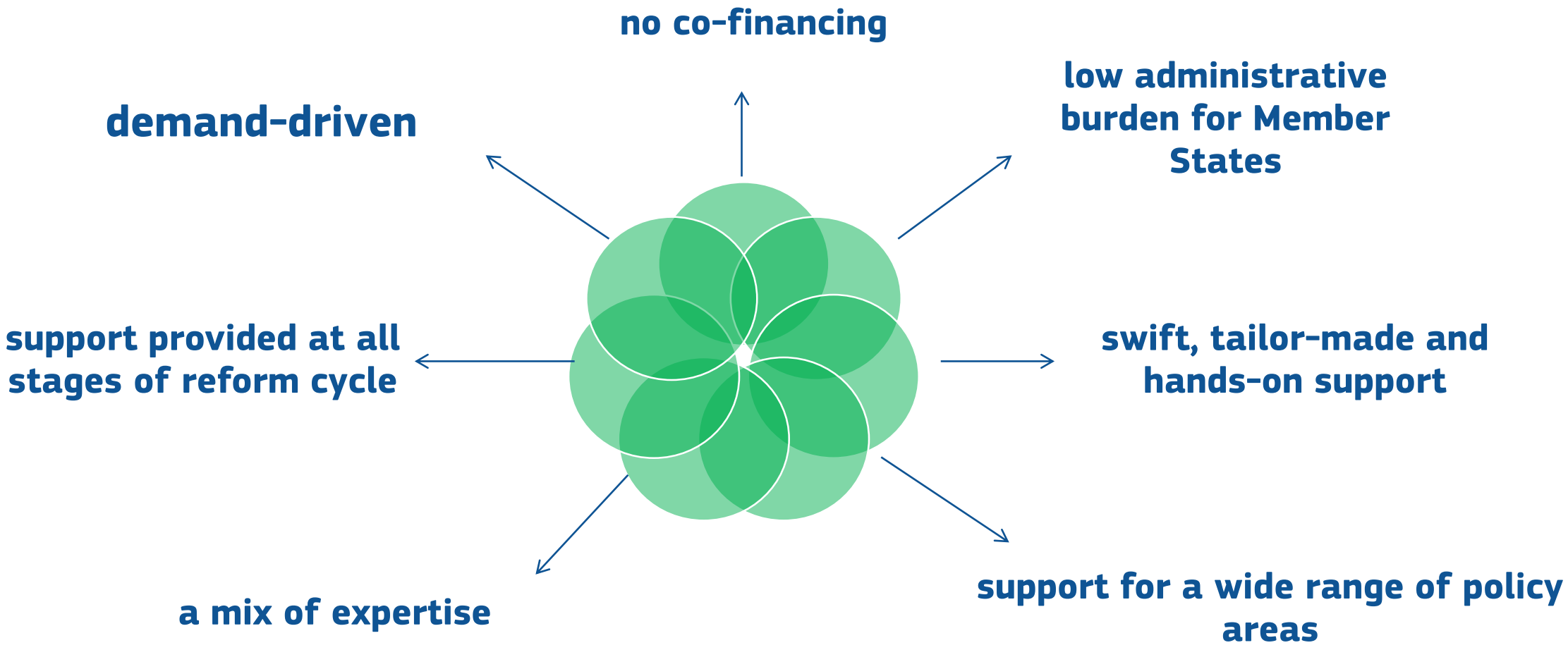
The SRSP Programme



Accessible to ALL Member States

Objective	• Strengthen the capacity to implement reforms
Legal base	• Regulation (EU) 2017/825
Demand-driven	• upon request
Duration	• 2017-2020
Budget	• €142.8 million (2017-2020) • no co-financing required
Scope	• a wide range of policy areas

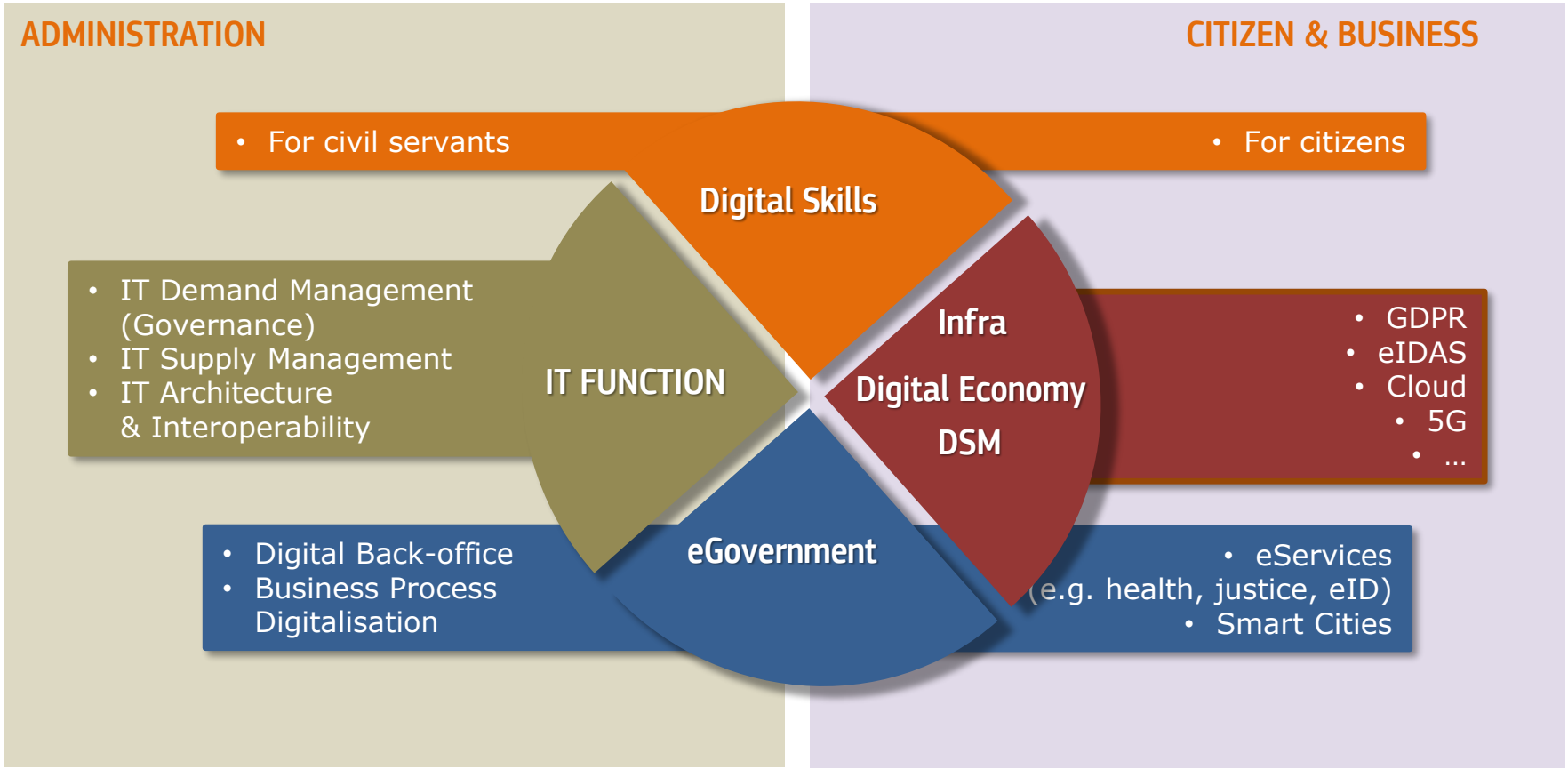
SRSP benefits



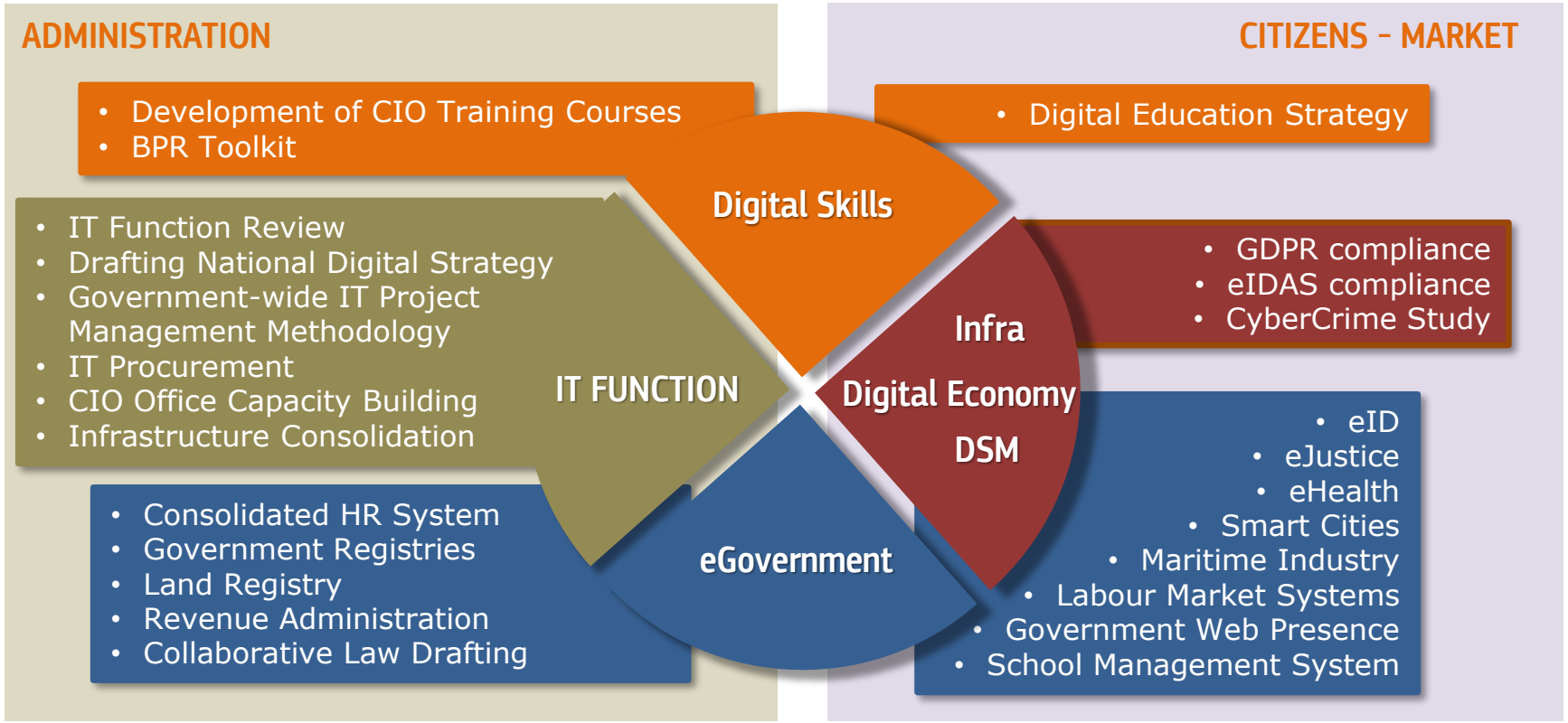
Reform Areas

Governance and public administration	Tax revenue and public financial management	Growth and business environment	Labour market, health and social services	Financial sector and access to finance
•Governance •Central & local administration •e-Government & Digital Public Administration •Management of human resources •Better regulation •Anti-corruption & anti-fraud strategies •Anti-money-laundering strategies •Judicial reform	• Revenue administration • Budget preparation • Spending reviews • Fiscal strategies & tax policy • Supreme audit institutions/ independent fiscal institutions	• Investment licensing • Competition policy • Trade issues • Digital society • Digital economy • Land registry • Energy Union • Better Regulation • Management of State-owned enterprises (SOEs) • Sectoral expertise: transport, environment, water, agriculture, etc.	• Labour market, policies & laws • Welfare system • Pension system • Healthcare system • Education & vocational training	• Access to finance • Capital Markets Union • Bank supervision & resolution • Non-performing loans • Insolvency & financial literacy • Insurance & pensions • Competition issues

The Government `Digital' Landscape



Digital Public Administration: Example projects



SRSP: Types of Project for DPA

Covered:

- Studies
  - Strategies, action plans, implementation plans
  - Reviews
- Specifications & Business Requirements Documents
- Workshops
- Exchange visits

Not covered:

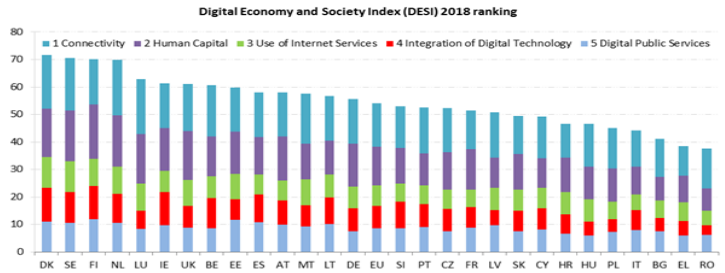
- Hardware & Software
- Licences
- IT Development Work

Goal: Support Structural Reforms

Prioritising Digital Reforms

The Digital Economy and Society Index (DESI)

DESI 2018



ISA²

Digital @ SRSP 2018 – Facts and Figures

105/444 Requests – 24 MS

24 Member States submitted a total of 444 requests under SRSP2.
105 of those have a digital dimension

30.5M€

have been allocated to projects in SRSP2

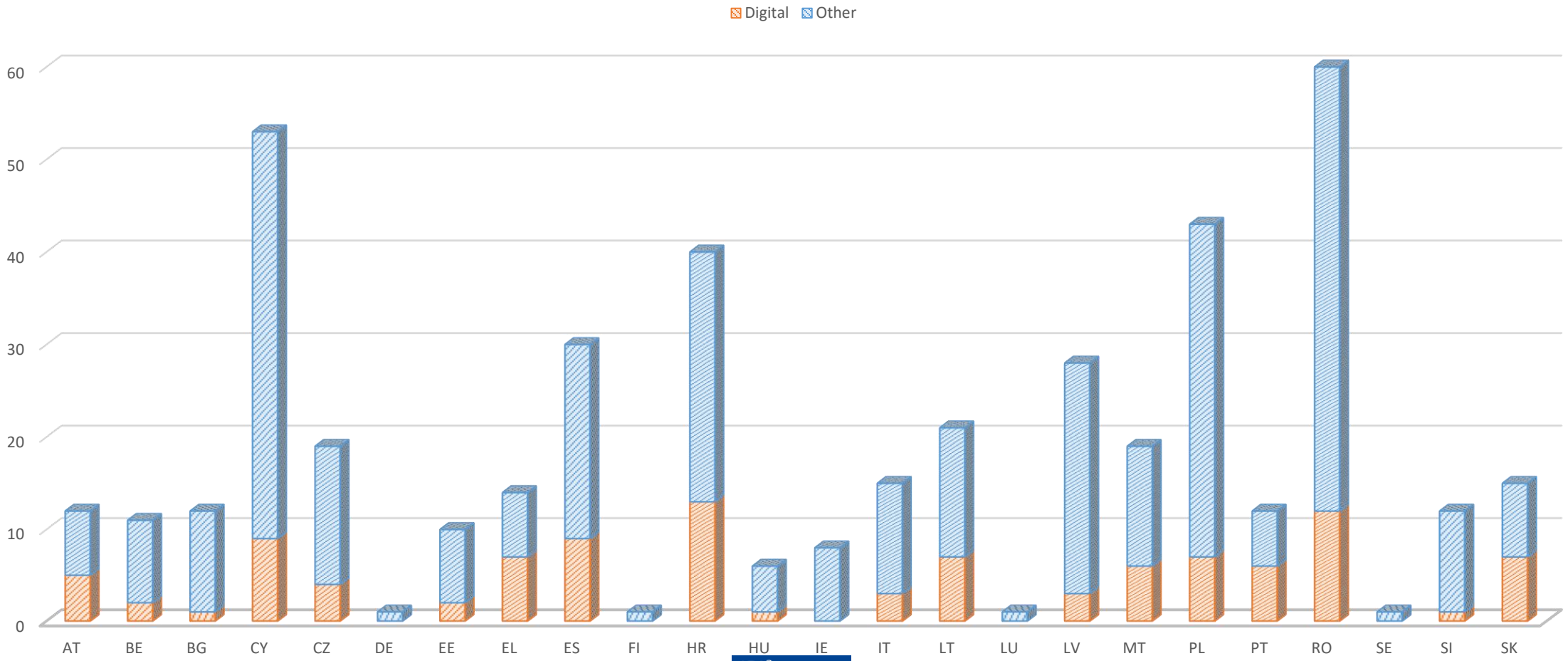
34 Projects – 16 MS

34 of the 146 requests selected with a digital dimension in 16 Member States.

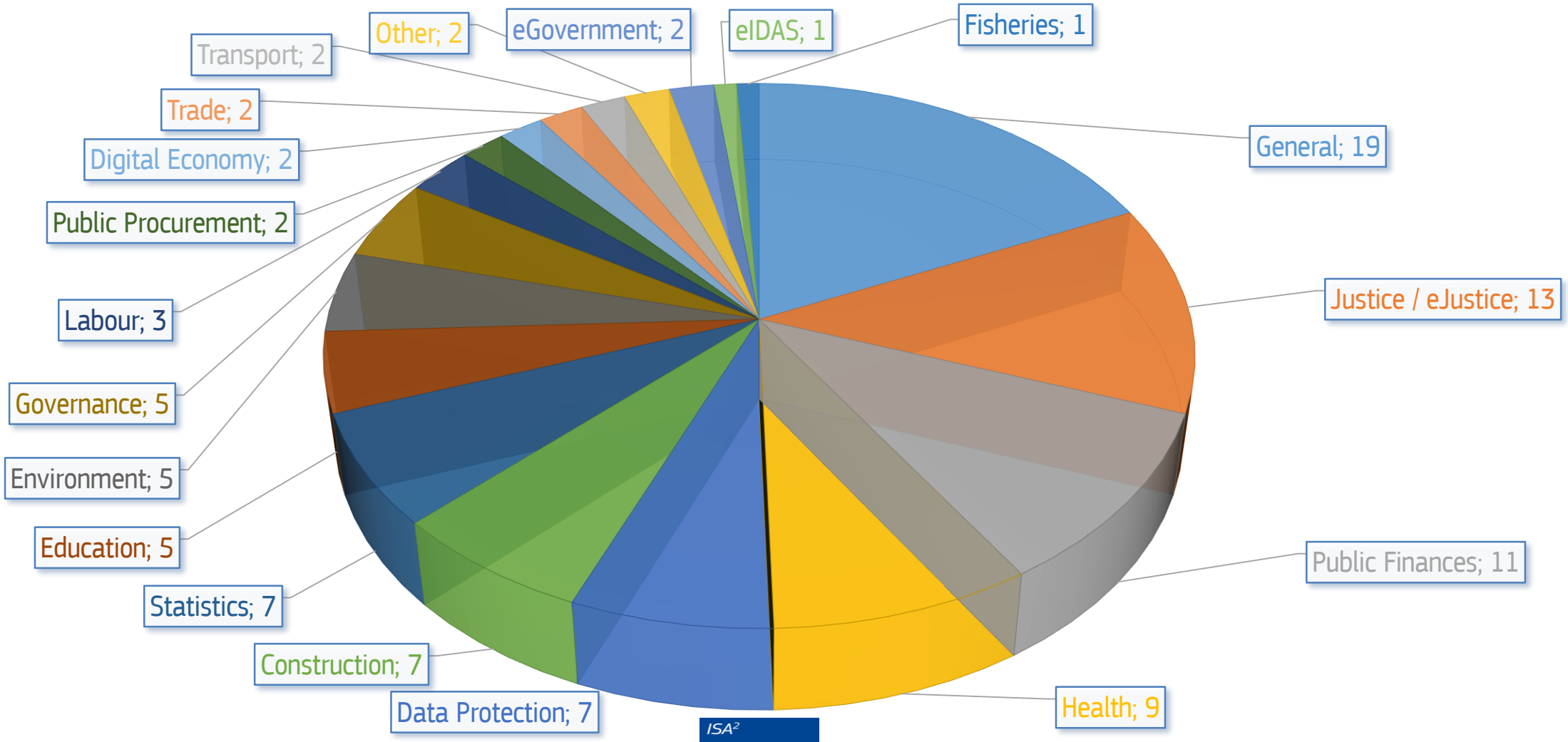
6.4M€

have been allocated to projects with a digital dimension in SRSP2

SRSP2: Projects with a “Digital” dimension

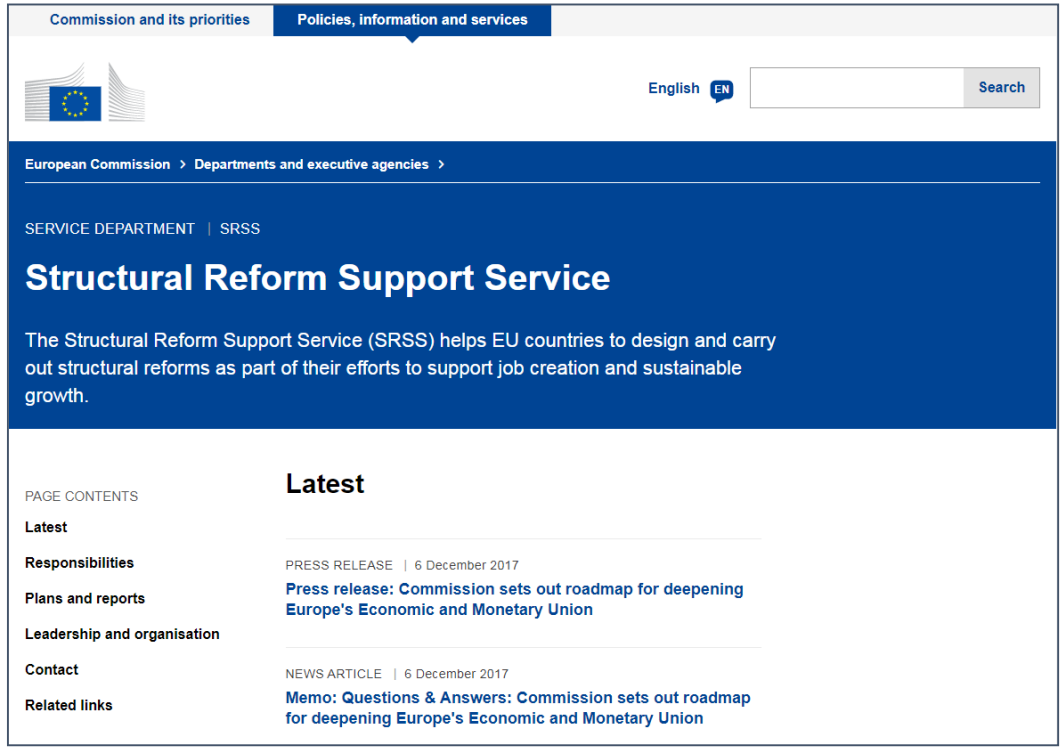


SRSP2: Requests with a “Digital” dimension



Further information & Contact

https://ec.europa.eu/info/departments/structural-reform-support-service_en



Governance and public administration:
SRSS-02-GOVERNANCE-PUBLIC-ADMINISTRATION@ec.europa.eu

THE CASE OF BELGIUM

Frank LEYMAN

Chief Information Officer of Belgium

BELGIUM
VIEW ON INTEROPERABILITY

ISA2 – EIS – EIF - EIRA

EURegionsWeek2018
ISA^2 Programme, boosting digital public administrations in Europe

Frank LEYMAN

BOSA Federal Public Service Policy and Support

BELGIUM:

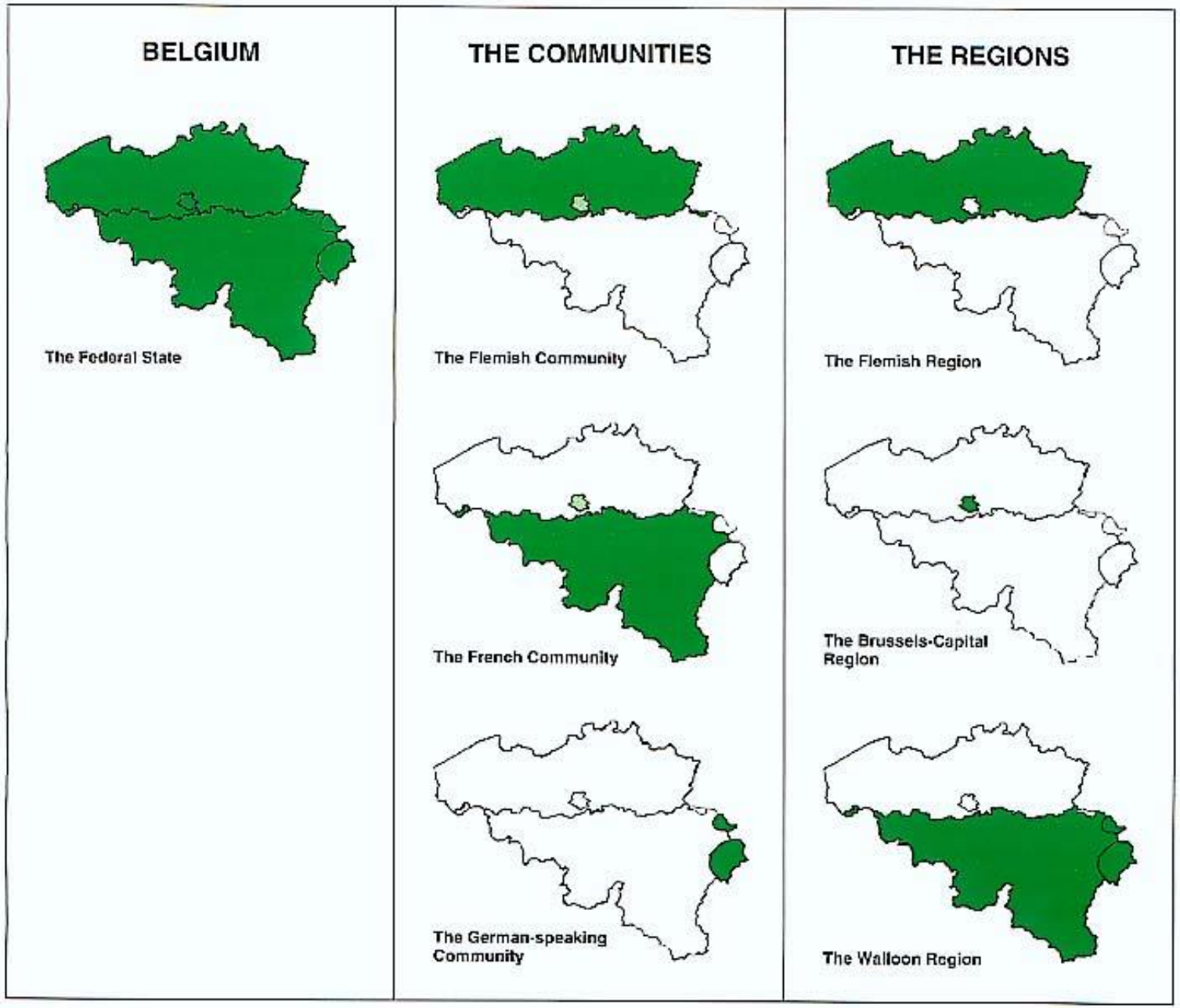
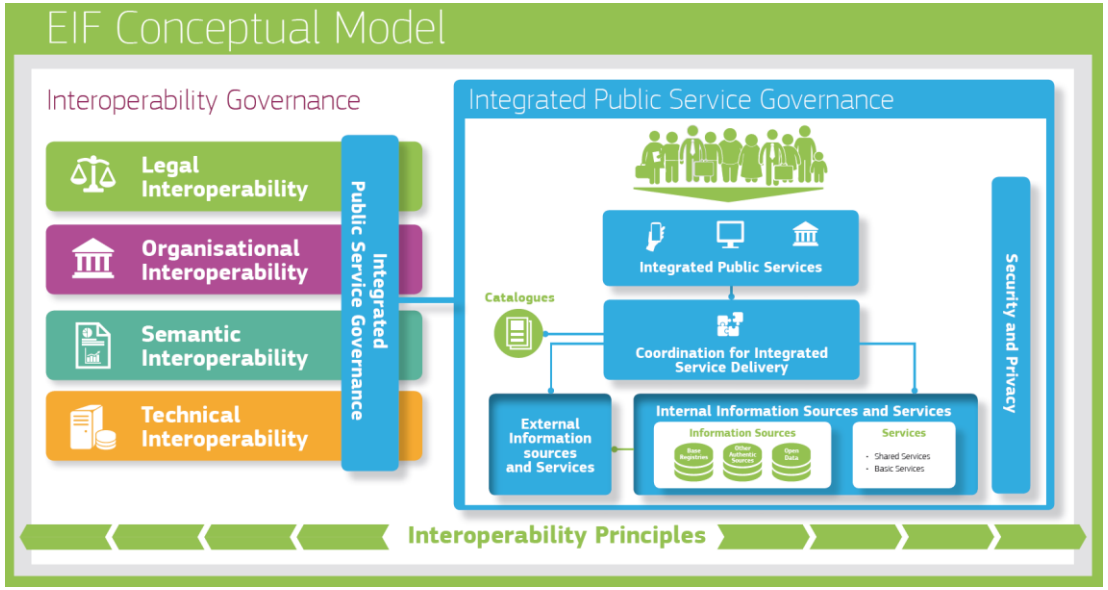
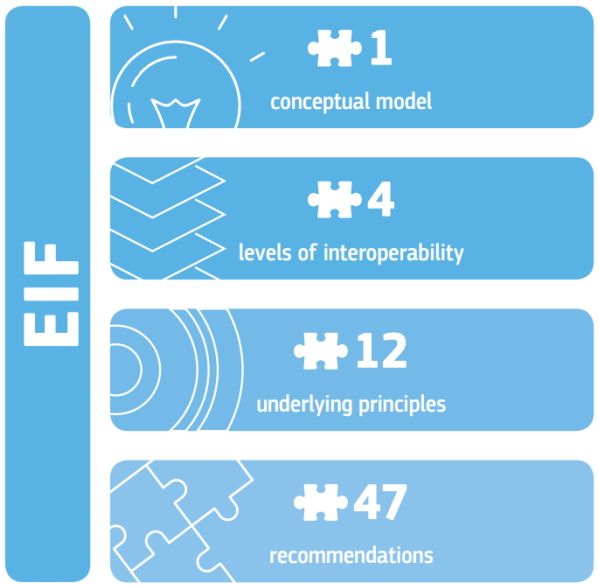


Fig. 1.1. – Belgium, a Federal State which consists of Communities and Regions.

European Interoperability Framework – EIF -> BelGIF





Webservice families (soon) available on FSB

	Person Services persoonsgegevens		**Enterprise Services** ondernemings-gegevens		**Mobility Services** auto & rijbewijs gegevens		**Judicial Services** gerechtelijke gegevens
Mutation Register Service ontvangen van mutaties		**CSAM Services** toegangsbeheer	CSAM	**Authorization Services** gefedereerd rollenbeheer		**Traffic Clearing Service** clearing van havenverkeer	
	eLoket Services eLoket gegevens		**4thWay Services** schuldnotificaties		**Debt Services** schuldattesten		**eBirth Services** aangifte geboorte
Maritime Localisation Services localisatie van schepen		**Mapping Service** codetabellen		**eDepot Services** oprichting bedrijf/vzw/ea		**eHealth Service** verwerking medische data	Health
	NationalBank Service data Nationale Bank		**EDRL Services** loket voor dienstenbedrijven		**EurTransBel Service** opvolging omzetting EU in Belgische **wetgeving**		**FSBUtility Services** connectietest services
eInvoicing Services uitwisseling facturen	INVOICE	**eProcurement Services** aankoopproces gegevens		**EmployeeSelf Services** opvolging inschrijving opleidingen		**Property Services** Kadastergegevens	
KSZ BCSS	**Social Security Services** KSZ gegevens		**VDI Services** gegevens Informatie VL		**MFT Services** uitwisselen van grote bestanden		**Postal Services** toegang eBox

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Example: eBOX

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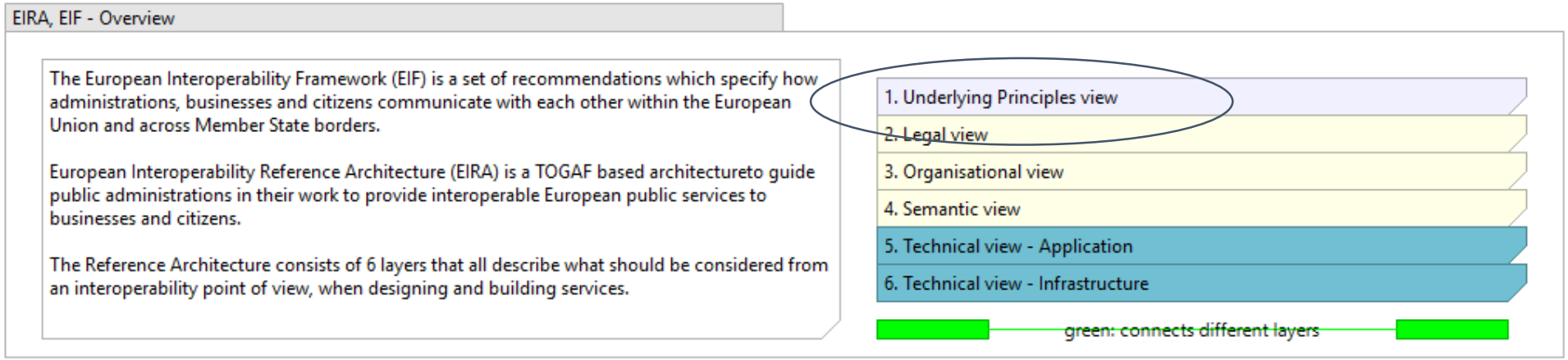
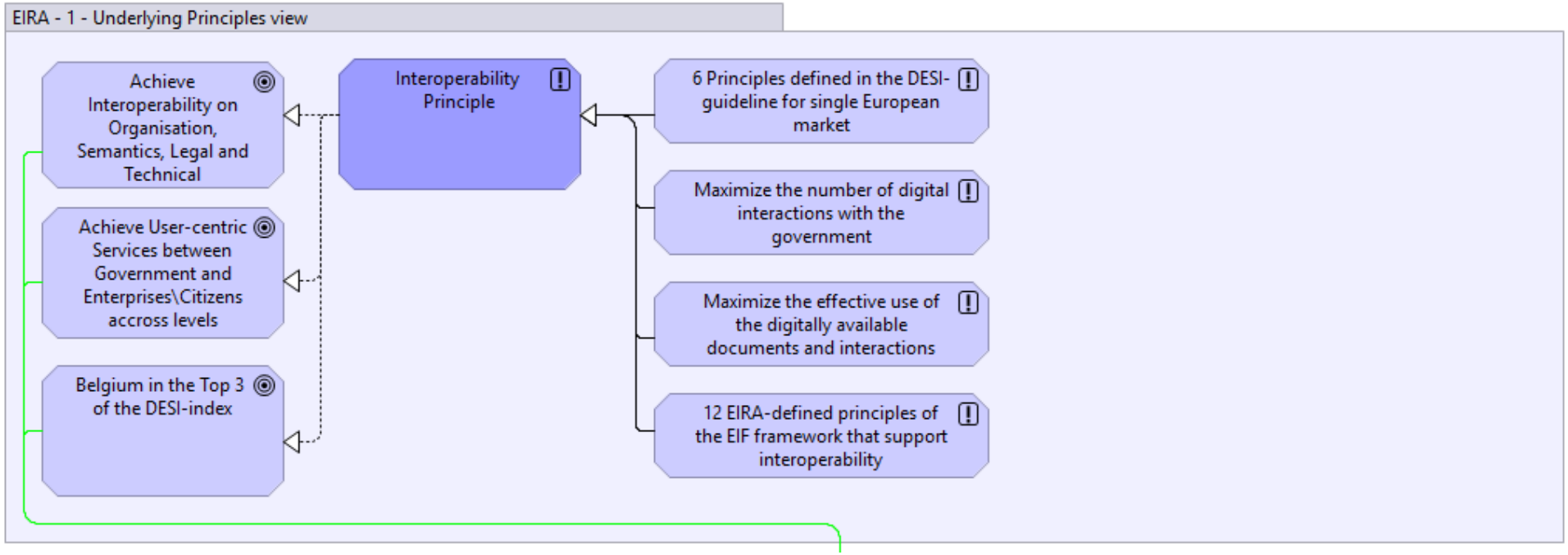
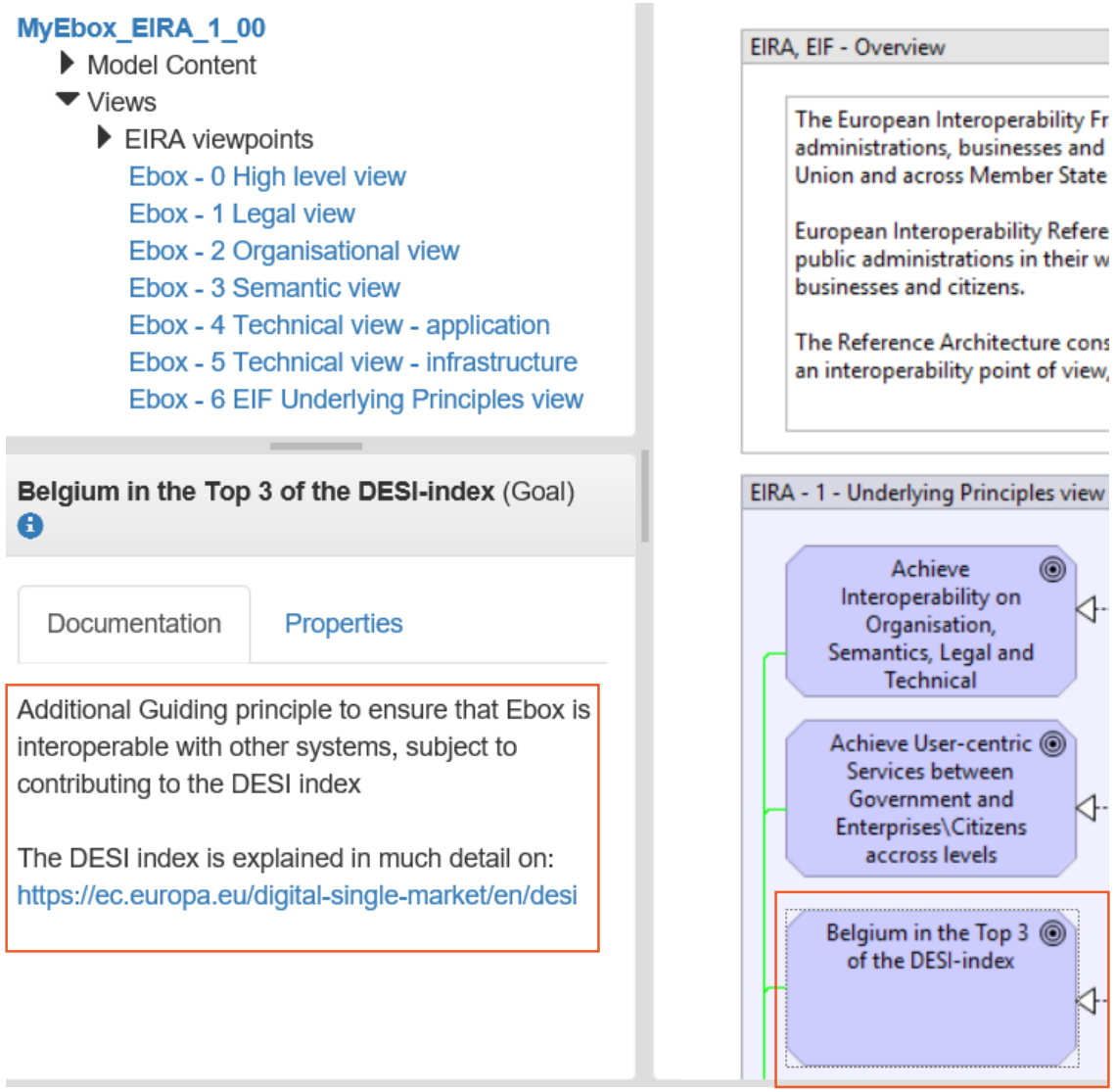
High level view



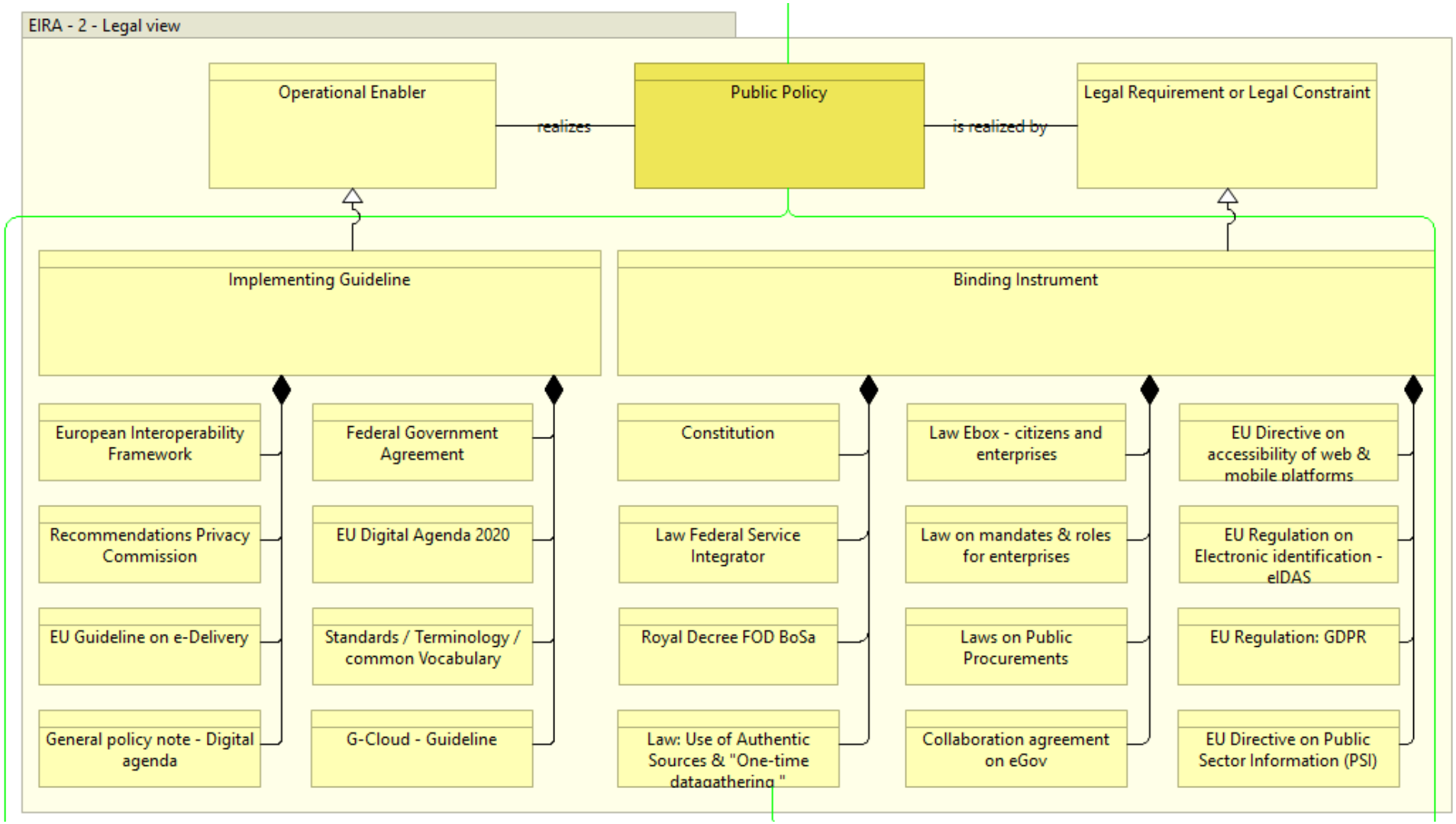
Underlying principles



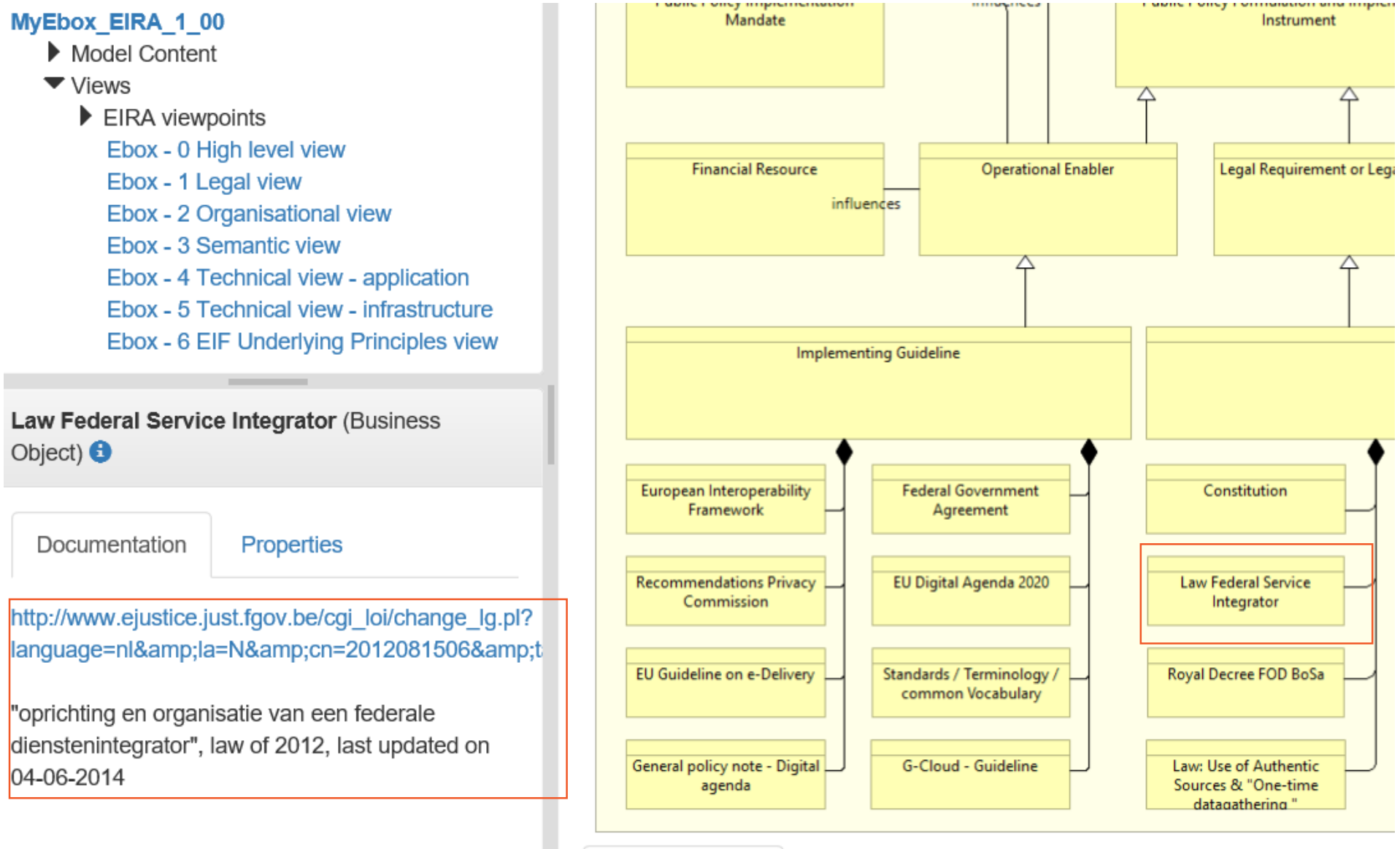
Each element is clickable and shows documentation



Legal view


EIRA - 2 - Legal view
Operational Enabler
realizes
Public Policy
is realized by
Legal Requirement or Legal Constraint
Implementing Guideline
Binding Instrument
European Interoperability Framework
Federal Government Agreement
Constitution
Law Ebox - citizens and enterprises
EU Directive on accessibility of web & mobile platforms
Recommendations Privacy Commission
EU Digital Agenda 2020
Law Federal Service Integrator
Law on mandates & roles for enterprises
EU Regulation on Electronic identification - eIDAS
EU Guideline on e-Delivery
Standards / Terminology / common Vocabulary
Royal Decree FOD BoSa
Laws on Public Procurements
EU Regulation: GDPR
General policy note - Digital agenda
G-Cloud - Guideline
Law: Use of Authentic Sources & "One-time datagathering "
Collaboration agreement on eGov
EU Directive on Public Sector Information (PSI)

Zoom in on each element



Organisational view – detail : non-federal admin

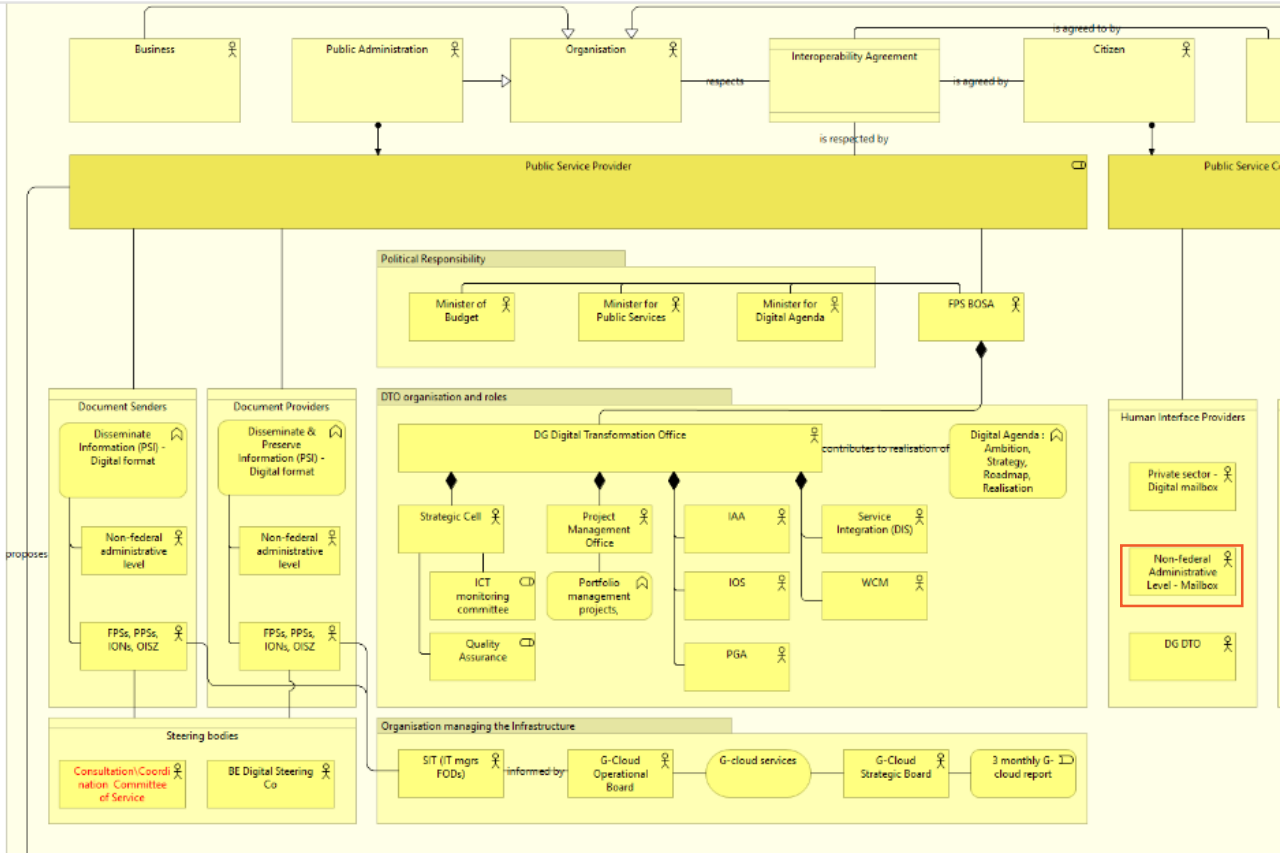
MyEbox_EIRA_1_00
- Model Content
- Views
  - EIRA viewpoints
    - Ebox - 0 High level view
    - Ebox - 1 Legal view
    - Ebox - 2 Organisational view
    - Ebox - 3 Semantic view
    - Ebox - 4 Technical view - application
    - Ebox - 5 Technical view - infrastructure
    - Ebox - 6 EIF Underlying Principles view

Non-federal Administrative Level - Mailbox
(Business Actor)

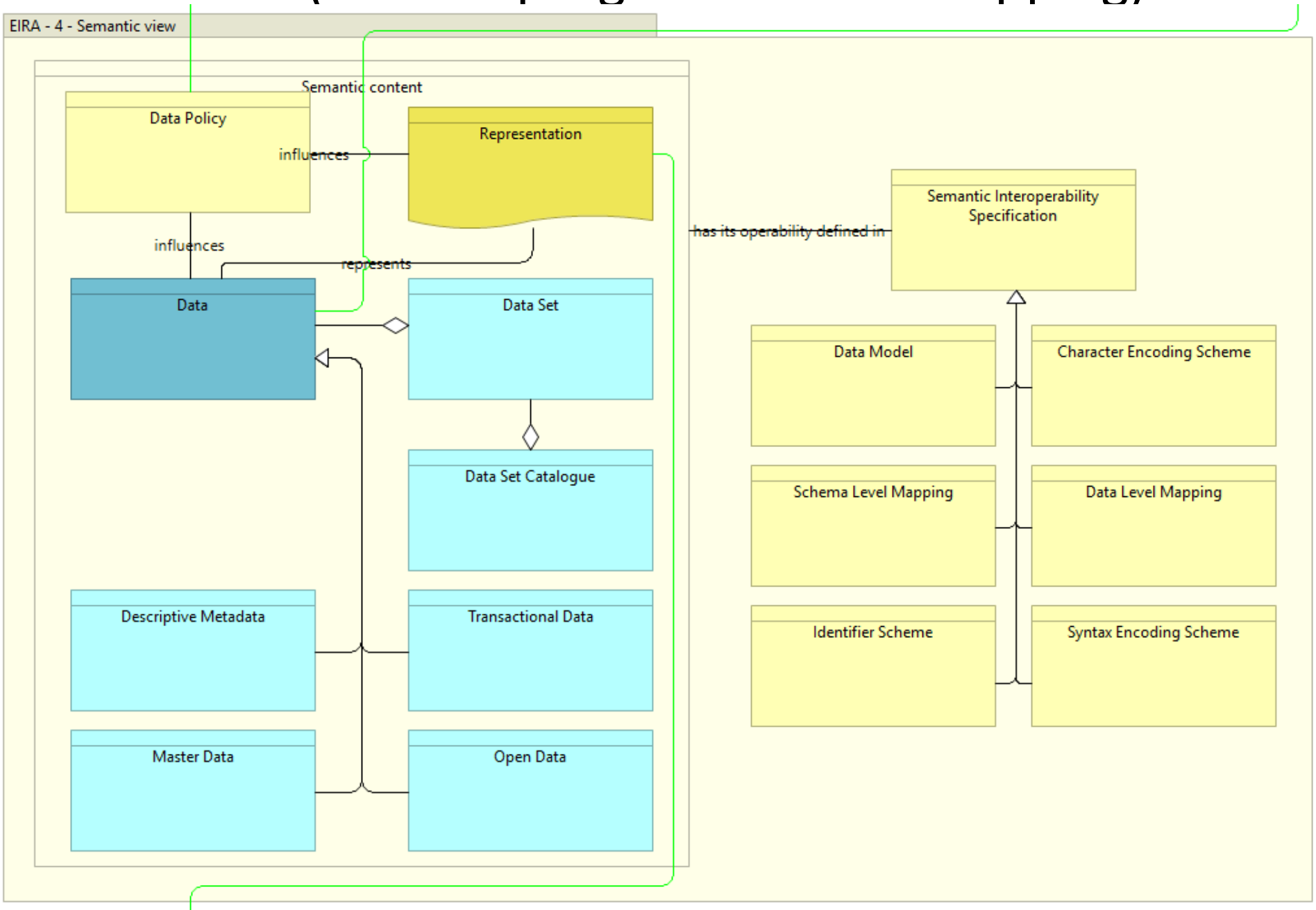
Documentation | Properties

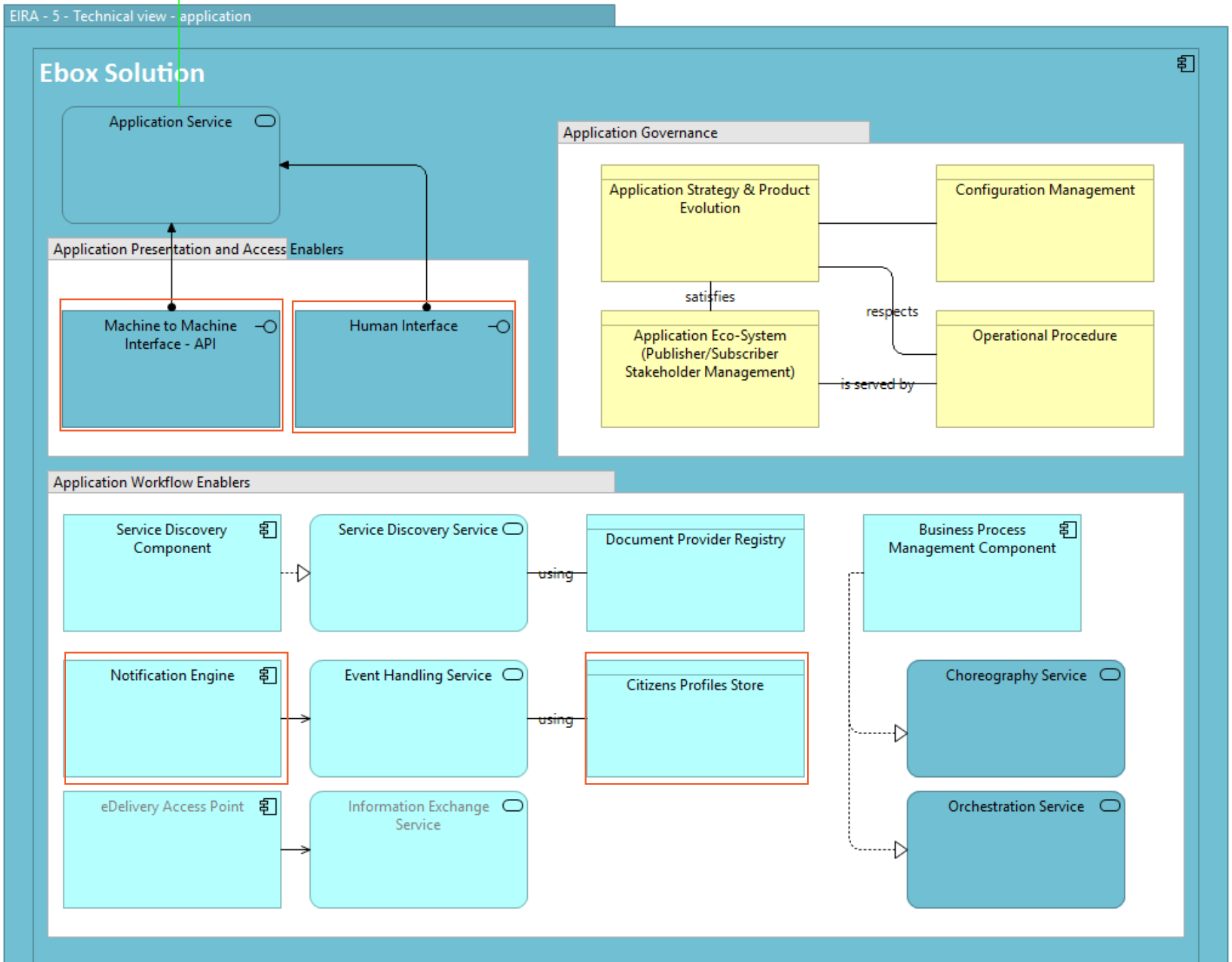
Vlaanderen - Burgerportaal, Ondernemingsportaal

https://overheid.vlaanderen.be/informatie-vlaanderen/ontdek-onze-producten-en-diensten/mijn-burgerprofiel

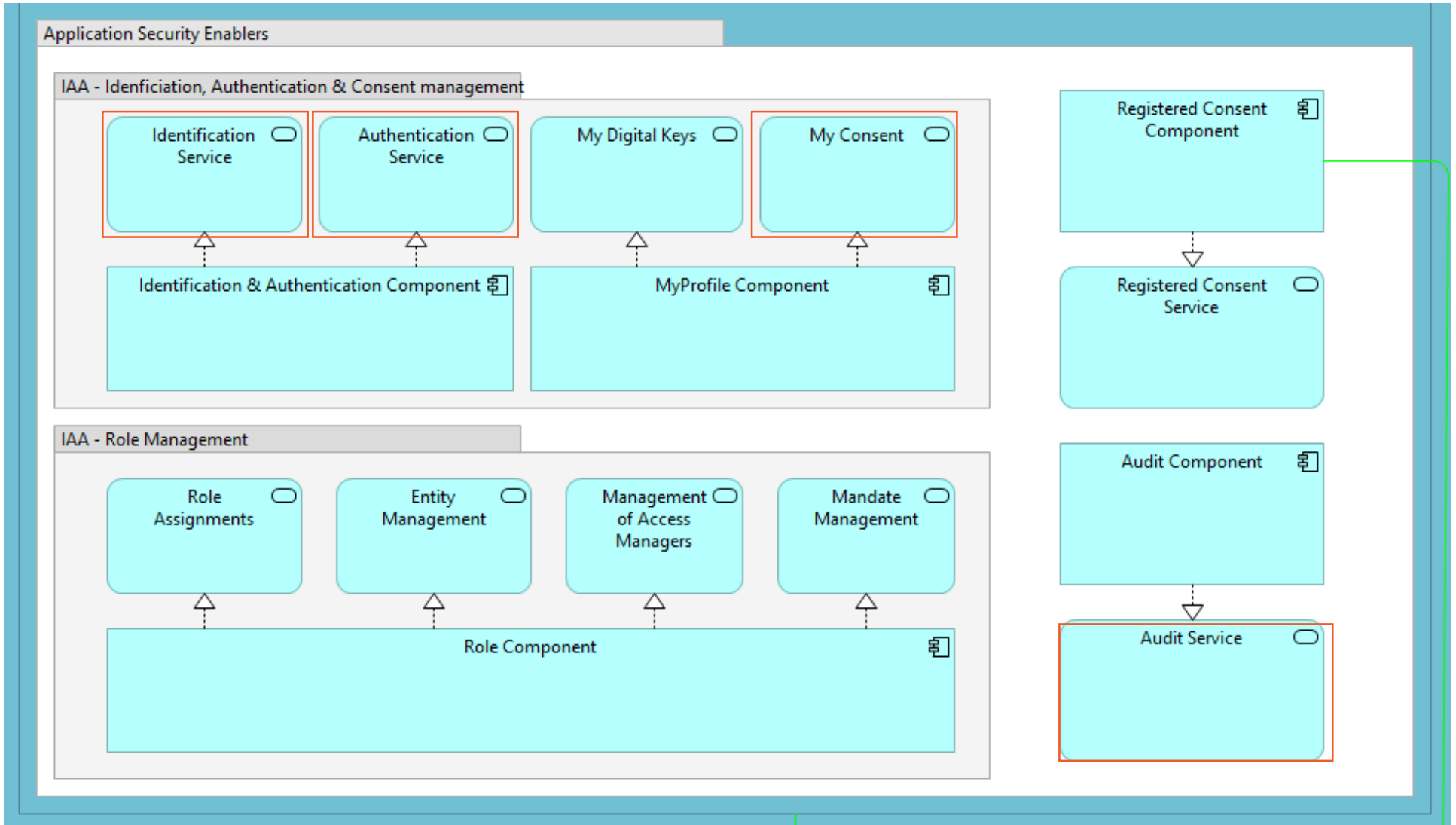


Semantic view (work in progress – Oslo² mapping)




EIRA - 5 - Technical view - application
Ebox Solution
Application Service
Application Presentation and Access Enablers
Machine to Machine Interface - API
Human Interface
Application Governance
Application Strategy & Product Evolution
Configuration Management
satisfies
respects
Application Eco-System (Publisher/Subscriber Stakeholder Management)
Operational Procedure
is served by
Application Workflow Enablers
Service Discovery Component
Service Discovery Service
using
Document Provider Registry
Business Process Management Component
Notification Engine
Event Handling Service
using
Citizens Profiles Store
Choreography Service
eDelivery Access Point
Information Exchange Service
Orchestration Service

Technical view – application security enablers



eBOX mapping on EIRA : WHY ?

- It is an excellent communication tool
  - To stakeholders, politics, partners
  - To administrations in the other member states
- It is an eye opener
  - Reveals gaps, overlaps,
  - Provides structure for the chaos
  - Comes with a “common language”, for example : list of architectural building blocks (ABB)
- It allows to compare and map different architectures

- Thank you !

- **DG Digitale Transformatie**
- **Simon Bolivarlaan 30**
- **1000 Brussel**

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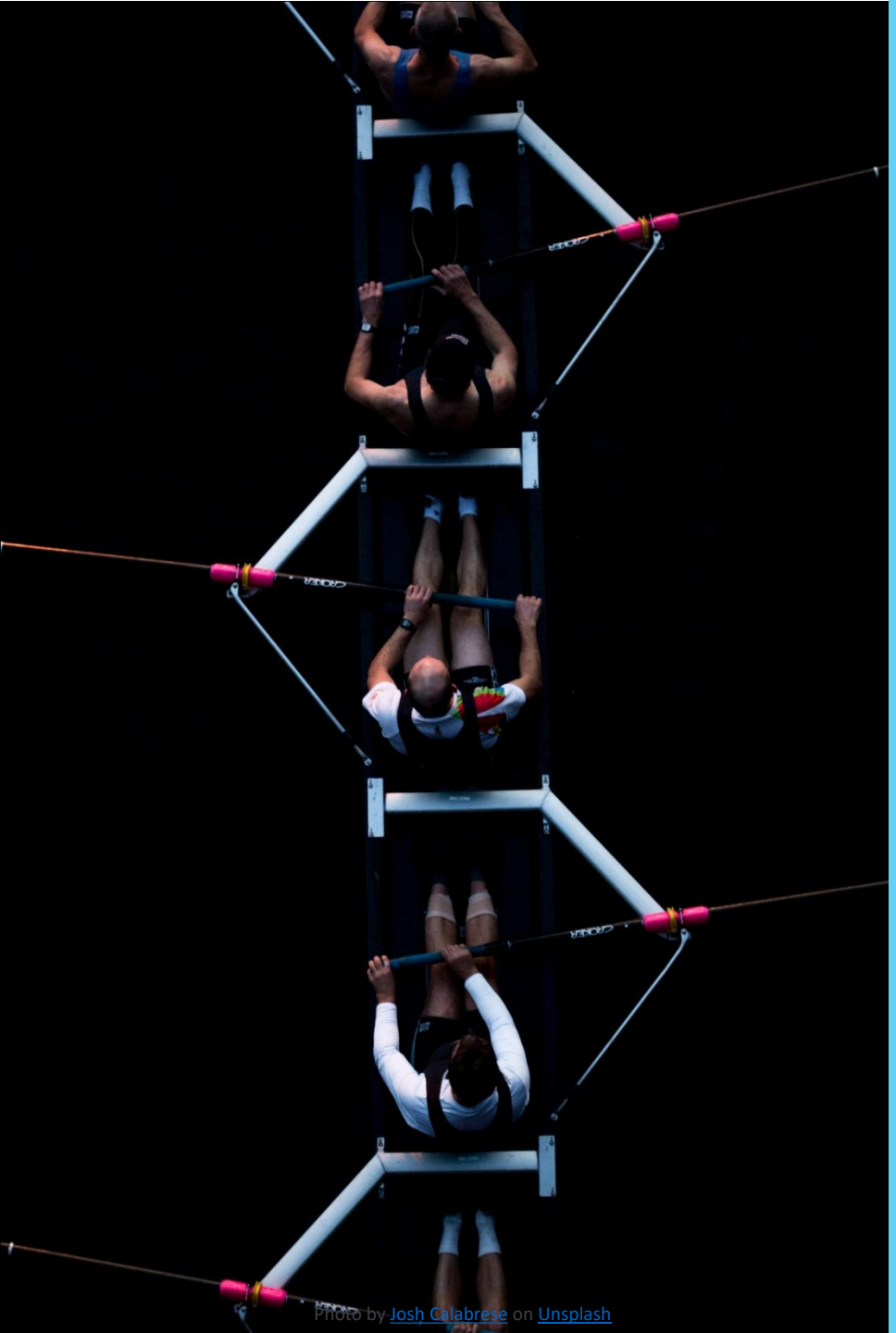
THE CASE OF SPAIN

Miguel A. Amutio Gomez

Deputy Director of Coordination of IT Units, Secretary General of Public Administrations, Spain



1. The situation of Spain in interoperability

- ✓ NIF aligned with the EIF
- ✓ Legal Framework
- ✓ Cooperation & Governance
- ✓ Services

2. Impact of EU Programmes, impact of ISA2

Strong Cooperation requires strong Interoperability

17 regional governments + 2 autonomous cities

GOBIERNO DE ESPAÑA

Ministerial Departments
> 100 Autonomous organisms

> 8.000 local entities

+ 50 Public Universities

Complexity and cooperation

National Interoperability Framework of Spain

It´s a legal text (Royal Decree 4/2010)

Its contributes to build and improve interoperability addressing its dimensions.

Scope: Public Sector

It´s a **key element for the development of digital administration**.

Aligned with the **EIF**.

Esquema Nacional de Interoperabilidad

OFFICIAL STATE GAZETTE

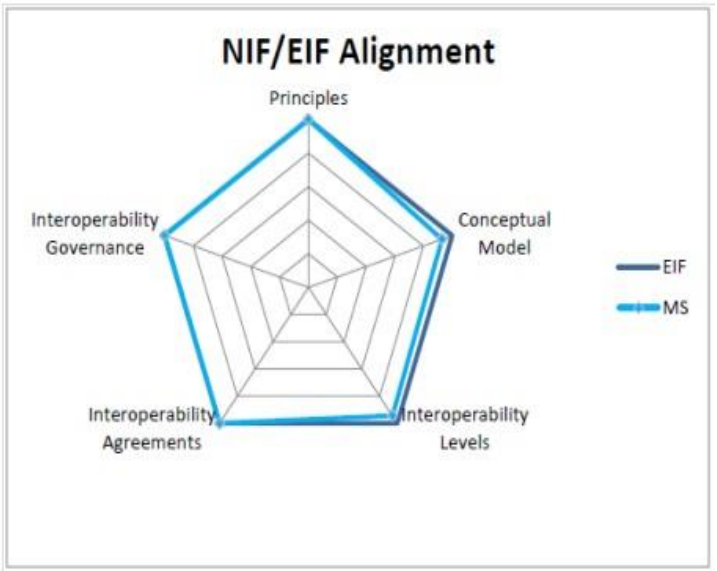
N°25 Friday 29 January 2010 Sect. I. Page 8139

I. GENERAL PROVISIONS

MINISTRY OF THE PRESIDENCY

1331 Royal Decree 4/2010, of January 8th, which regulates the National Interoperability Framework within the e-government scope

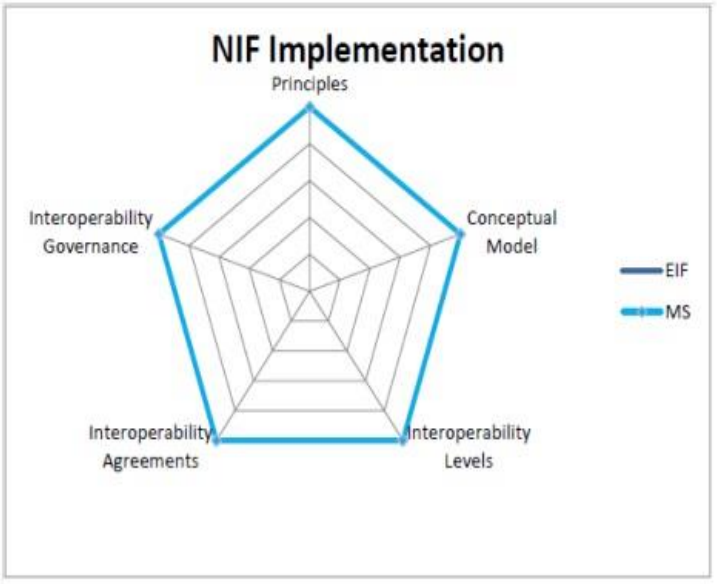
Aligned with the EIF

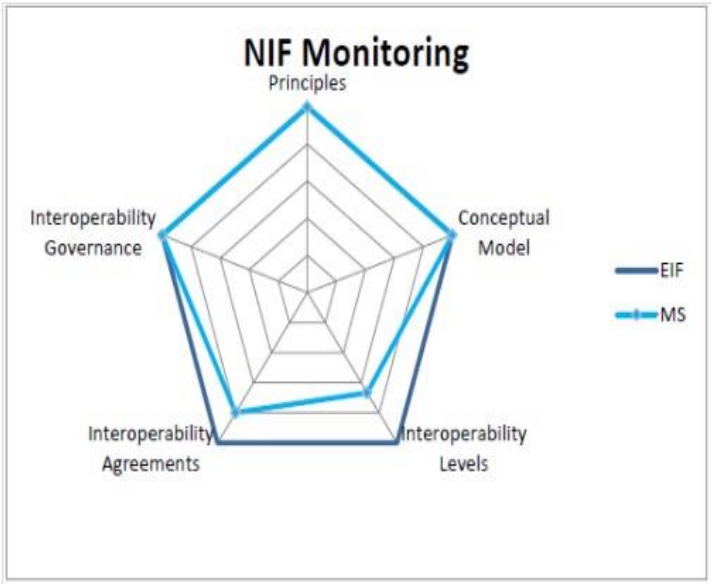


NIFO Factsheet – Spain

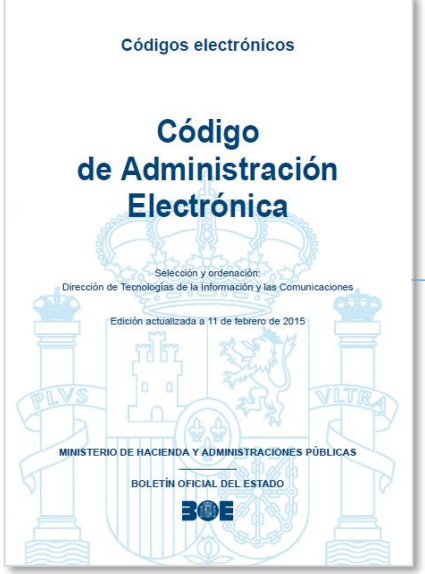
The main online sources for interoperability related information are:

- The Spanish NIF (Royal Decree 4/2010): http://www.boe.es/buscar/doc.php?id=BOE-A-2010-1331
- The portal for electronic administration (PAE): http://administracionelectronica.gob.es/pae_Home#.UçAjnvnV-Hg

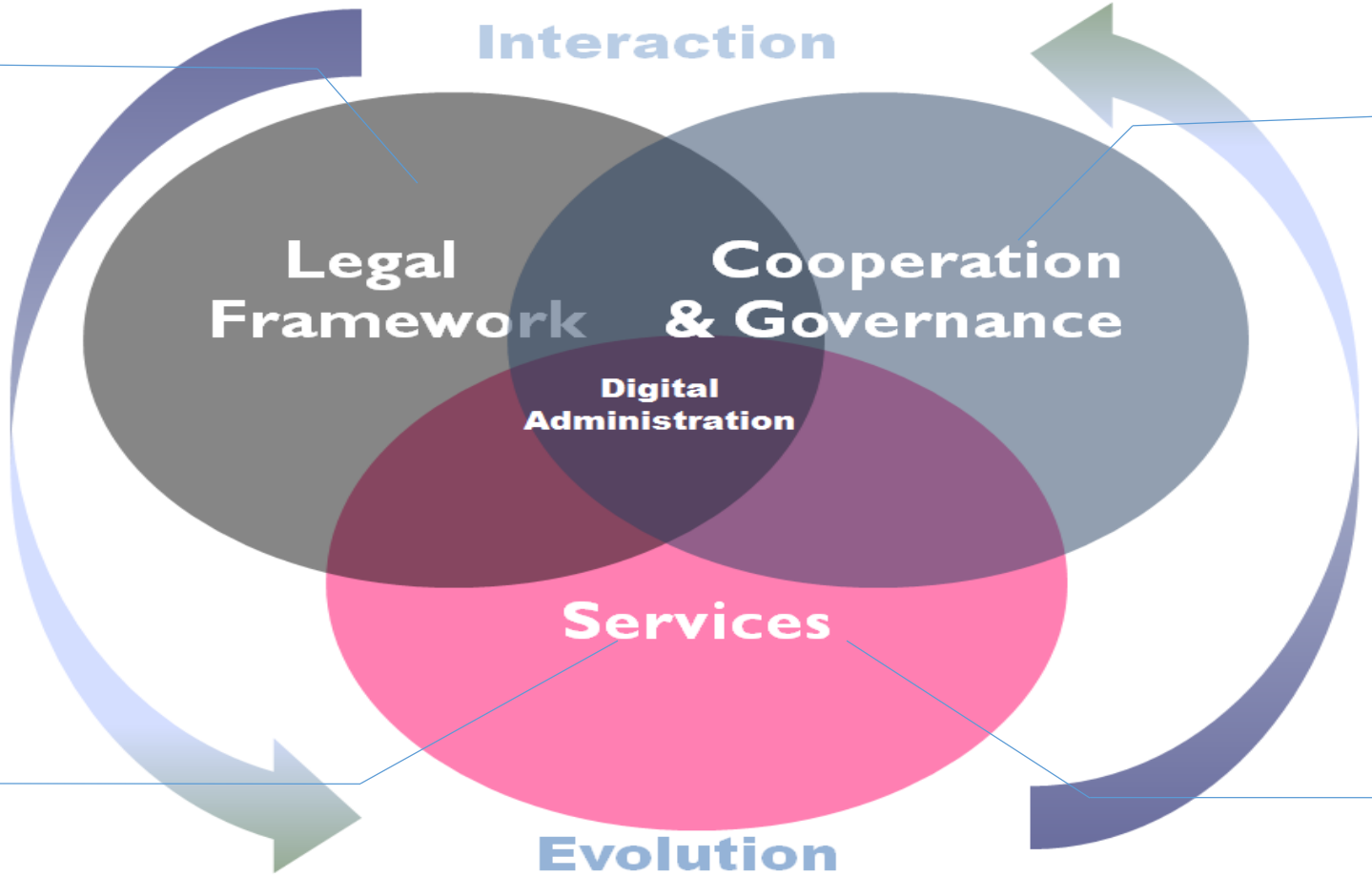




3 Pillars



Legal Framework for eGOV



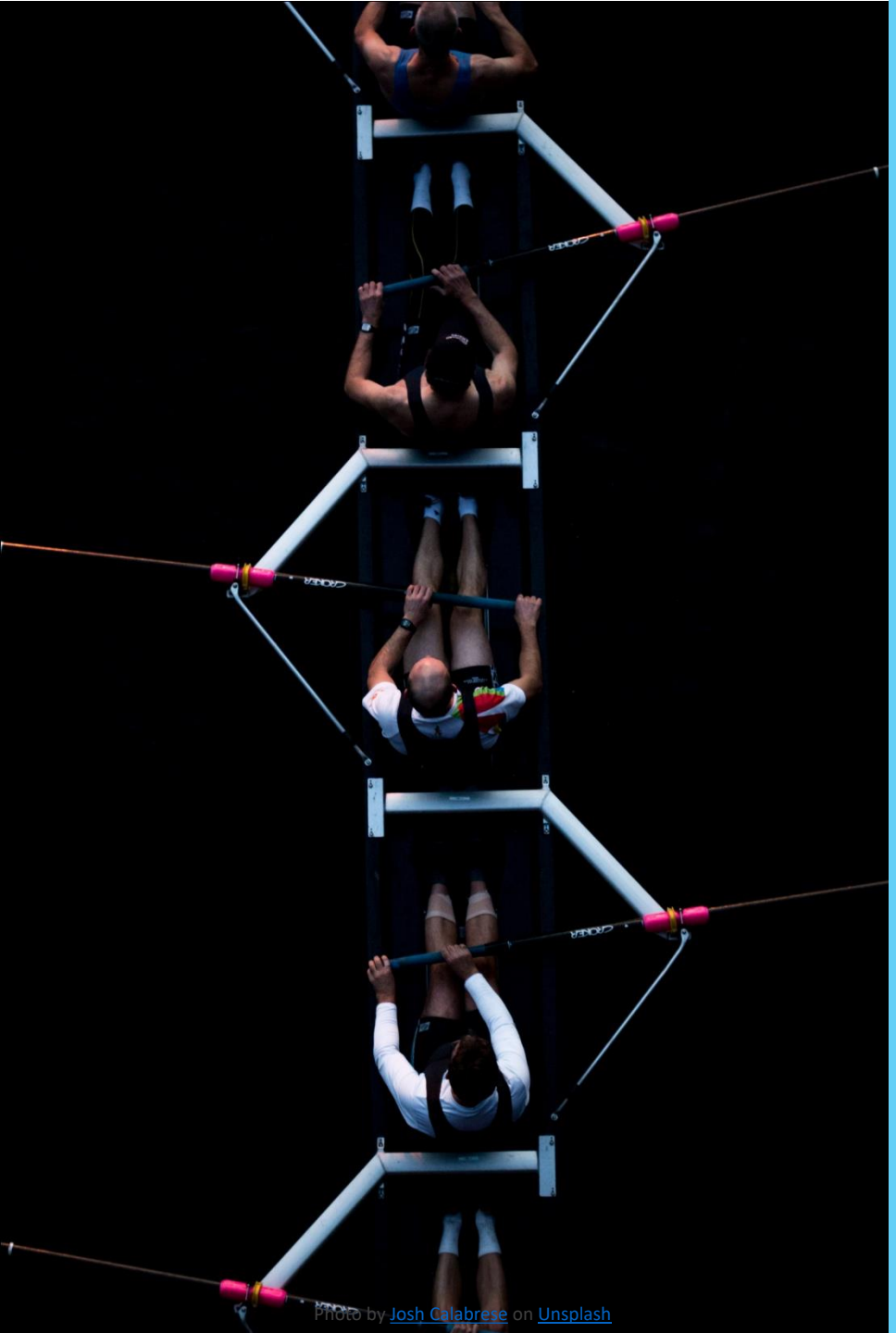
ICT Steering Committee (General State Administration)

Sectorial Committee for eGov (All PAs)

Forums for public-private collaboration

Catalogue of services for Digital Adm.

Shared services



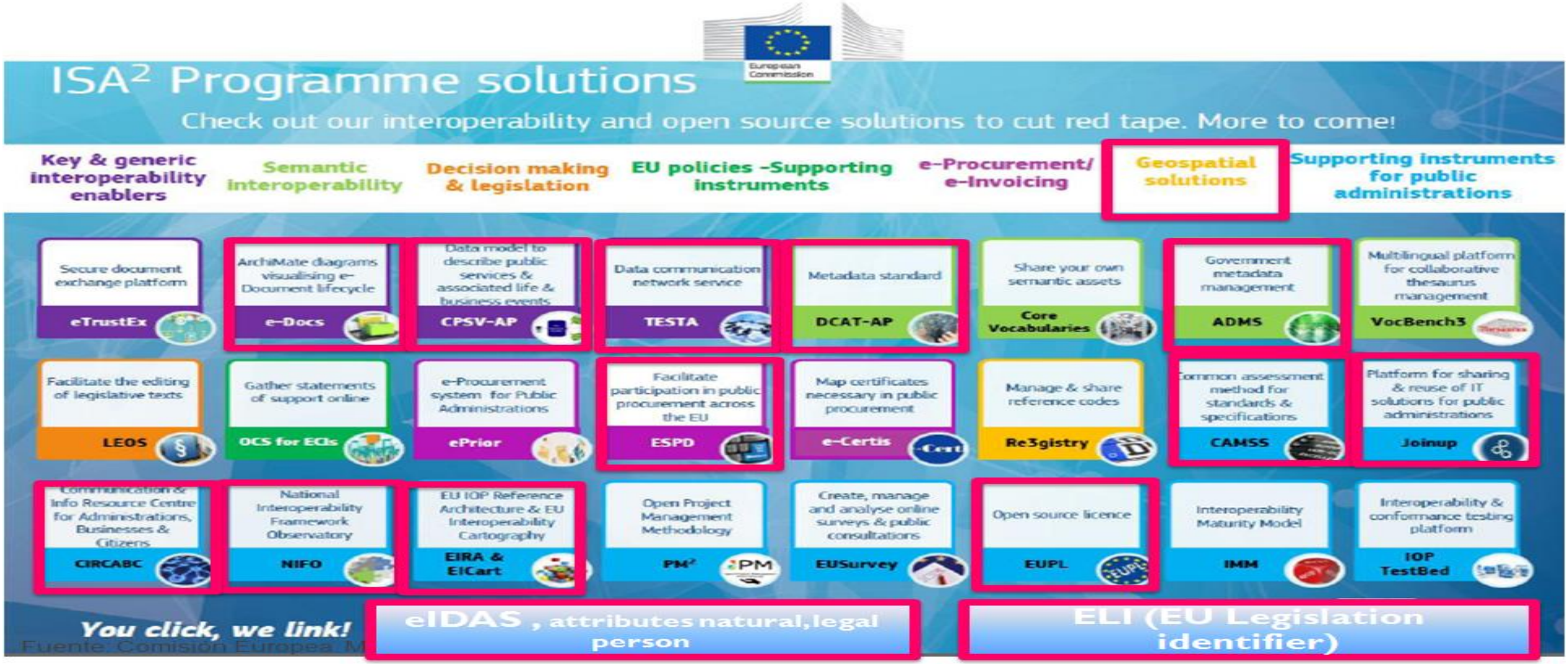
1. Key pillars for OOP:

- ✓ NIF aligned with the EIF
- ✓ Legal Framework
- ✓ Cooperation & Governance
- ✓ Services

2. Impact of EU Programmes, impact of ISA²

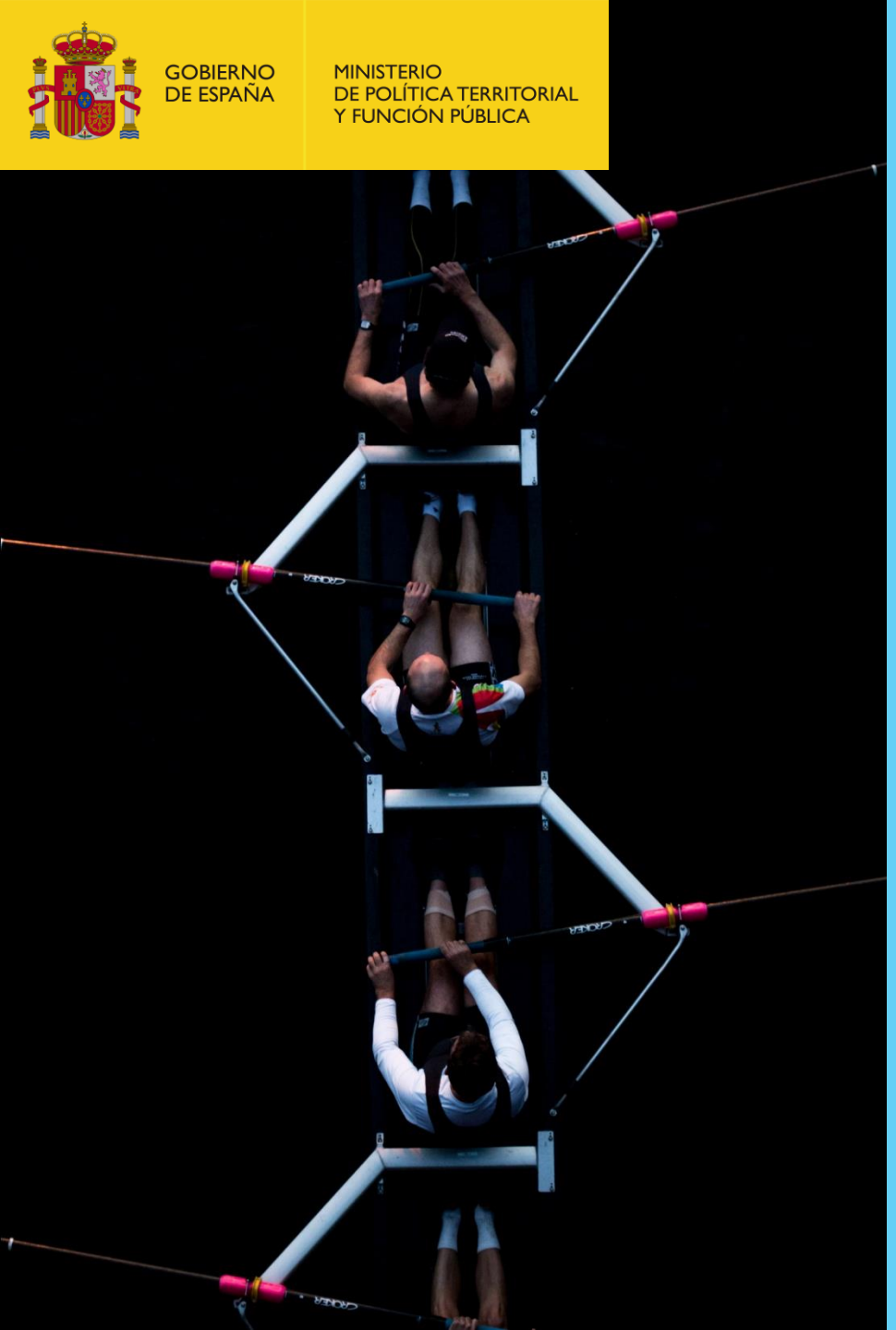
Impact of ISA²

- ✓ The EIF, a reference to structure and develop our NIF
- ✓ Correspondence or interest in 75% of the actions of ISA²
- ✓ EIF, TESTA, JOINUP, CIRCABC, EUPL, CAMSS, DCAT-AP, ADMS, ELI, NIFO, EIRA, …



Fuente: Comisión Europea. M

GOBIERNO DE ESPAÑA
MINISTERIO DE POLÍTICA Tterritorial Y FUNCIÓN PÚBLICA



REGIONS & CITIES
European Week | Brussels
8-11 October 2018

European Week of Regions and Cities Session on ISA²

Many thanks for your attention

10 October 2018

Miguel A. Amutio
Deputy Head of Unit for Coordination of ICT Units
General Secretariat for Digital Administration
Ministry of Territorial Policy and Public Function

HOW TO BETTER BOOST DIGITAL PUBLIC ADMINISTRATIONS IN EUROPE?

Grab the microphone!
You have 90 seconds!

Q & As

WHAT WE HAVE LEARNT TODAY…

ISA² MID-TERM CONFERENCE

Linking public administrations, businesses and citizens

29 November 2018 – Brussels

#ISA2CONF18

ec.europa.eu/isa2/isa2conf18

ISA² Programme @EU_isa2 ISA² Programme

THANK YOU

ISA² programme

You click, we link!

Stay in touch

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ISA² Programme

DIGIT-ISA2-COMM@ec.europa.eu

Run by the Interoperability Unit at DIGIT (European Commission) with 131€M budget, the ISA² programme provides public administrations, businesses and citizens with specifications and standards, software and services to reduce administrative burdens.