



## The Digital Single Market and the role of Interoperability

*ISA and ISA<sup>2</sup> :*

*Interoperability  
Solutions for European public  
Administrations, (businesses  
and citizens)*

Margarida Abecasis  
European Commission

**GeoSpatial World Forum  
Lisboa, May 2015**

## 3 Creating an European Digital Economy and society with growth potential

### Big data and cloud



Digital data stored in cloud:  
**2013: 20% - 2020: 40%**

The use of big data by the top 100 EU manufacturers could lead to **savings worth €425 billion**

Interoperability

## 1 Better access for consumers and businesses to digital goods and services across Europe

### Unlocking e-commerce potential



**15% of consumers** bought online from other EU countries in 2014 while **44%** did so **domestically**

## 2 Shaping the right environment for digital networks and services to flourish

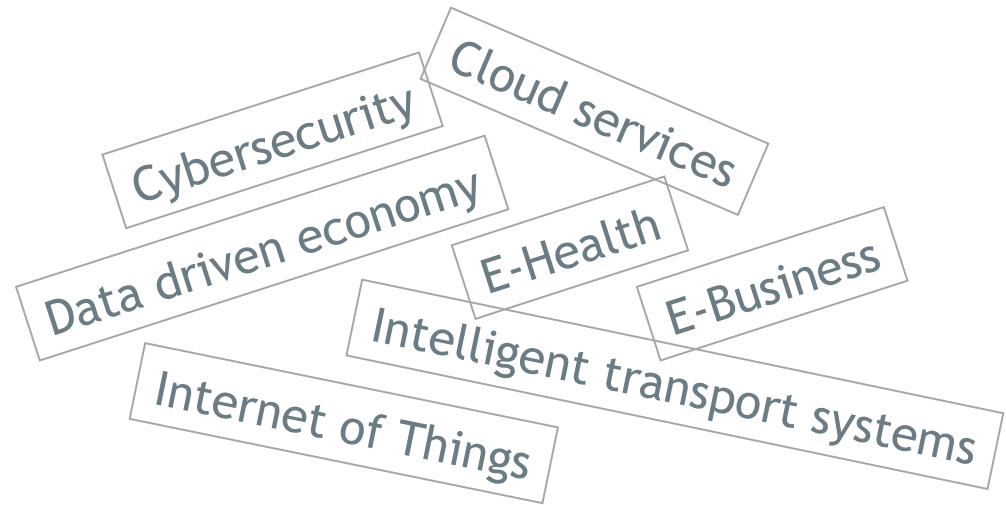
### Strong European data protection rules to boost the digital economy

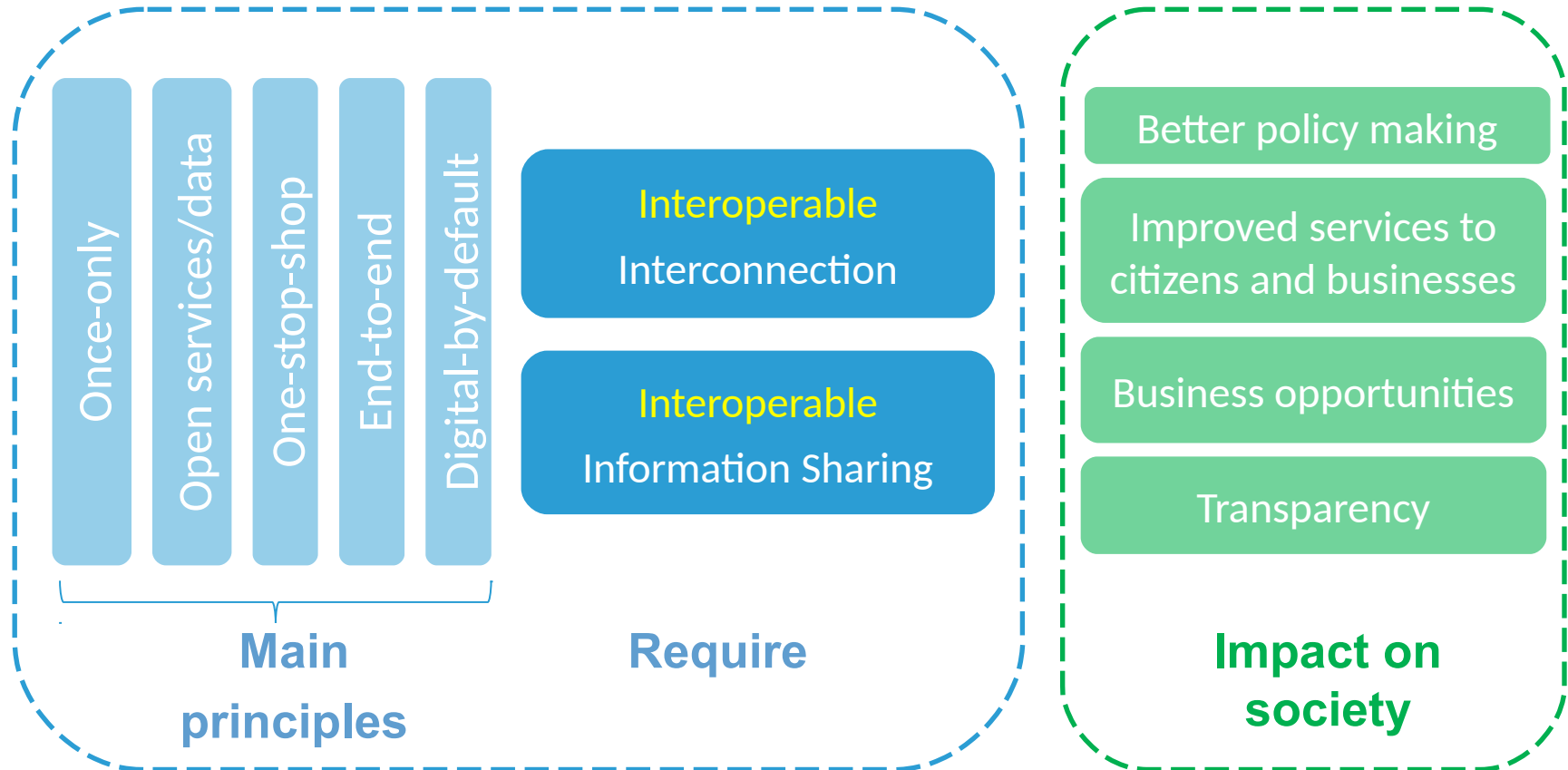


**72% of Internet users** in Europe still worry that they are being asked for too much **personal data online**

## Creating an European Digital Economy and society with growth potential

**Interoperability** is strategic for



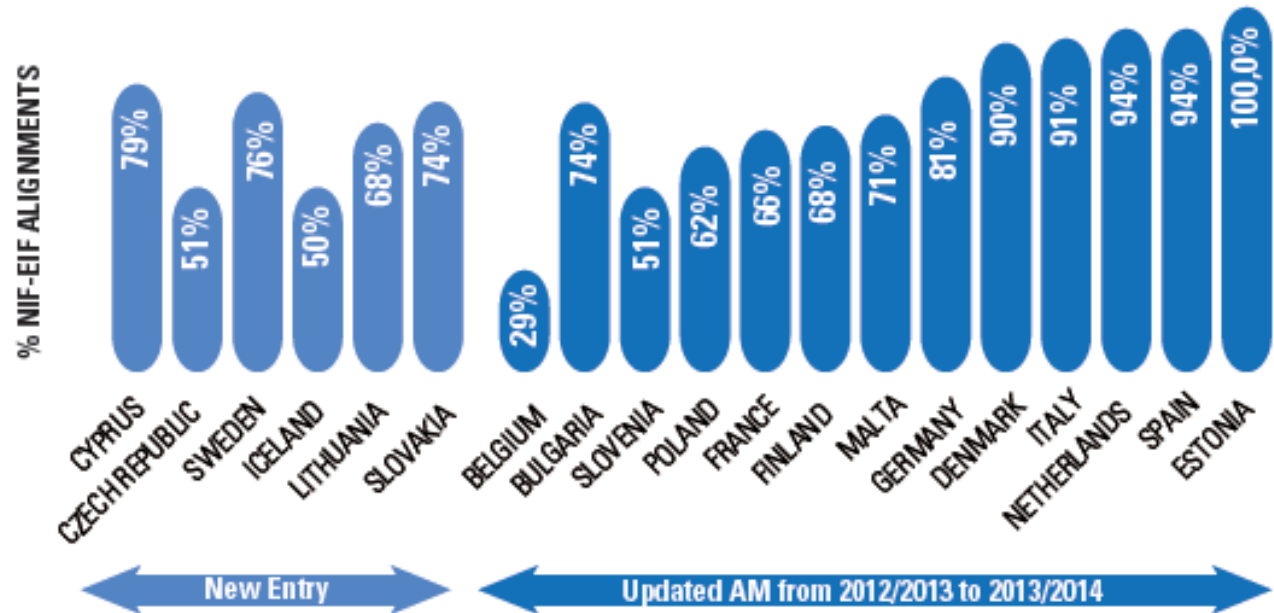




## European Interoperability Framework

Well accepted as a framework by the MS

### AVERAGE NIF-EIF ALIGNMENTS



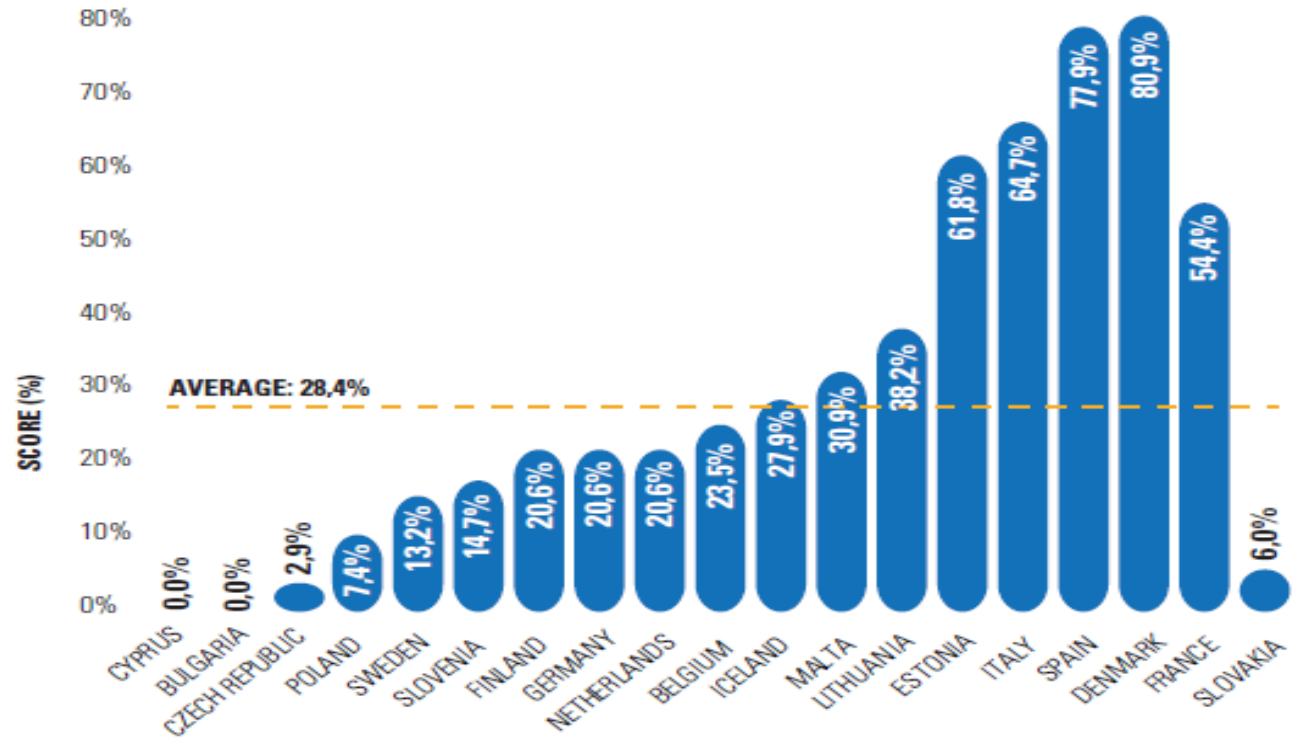
There is an overall very good NIF-EIF alignment across countries for 2014



## European Interoperability Framework

Still some way to go to have it implemented

AVERAGE NIF-EIF IMPLEMENTATION / MONITORING



The overall average of NIF Implementation and Monitoring for 2014 is significantly minor than the overall average of NIF-EIF Alignment (72%)



### Roadmap for completing the Digital Single Market /// Initiatives

2015

2016

#### I. Better access for consumers and businesses to digital goods and services across Europe

Legislative proposals for simple and effective cross-border contract rules for consumers and businesses



A wide ranging review to prepare legislative proposals to tackle unjustified geo-blocking

Review of the Regulation on Consumer Protection Cooperation

Measures in the area of parcel delivery



Competition sector inquiry into e-commerce, relating to the online trade of goods and the online provision of services

Legislative proposals for a reform of the copyright regime

Review of the Satellite and Cable Directive

Legislative proposals to reduce the administrative burden on businesses arising from different

#### II. Creating the right conditions for digital networks

Comprehensive analysis of the role of platforms in the market including illegal content on the Internet



*Adoption of a Priority ICT Standards Plan and extending the European Interoperability Framework for public services*

#### III. Maximising the growth potential of the Digital Economy



Adoption of a Priority ICT Standards Plan and extending the European Interoperability Framework for public services

Initiatives on data ownership, free flow of data (e.g. between cloud providers) and on a European Cloud

New e-Government Action Plan including an initiative on the 'Once-Only' principle and an initiative on mandatory interconnection of business registers



Digital Single Market



## From Interoperability Solutions for Public Administrations (ISA) to....

Efficient

... and effective  
electronic  
**cross-border**  
and **cross-sector**  
interaction  
between  
European  
public  
administrations.

European public  
administrations

... share and re-  
use **existing**  
successful or  
**new**  
Interoperability  
**solutions**,  
**common**  
**services** and  
**generic tools**.

Flexible and  
interlinked

...IT systems  
allow smooth  
implementatio  
n of  
**Community**  
**policies** and  
activities .

## Interoperability Solutions for Public Administrations, citizens and business (ISA<sup>2</sup>)

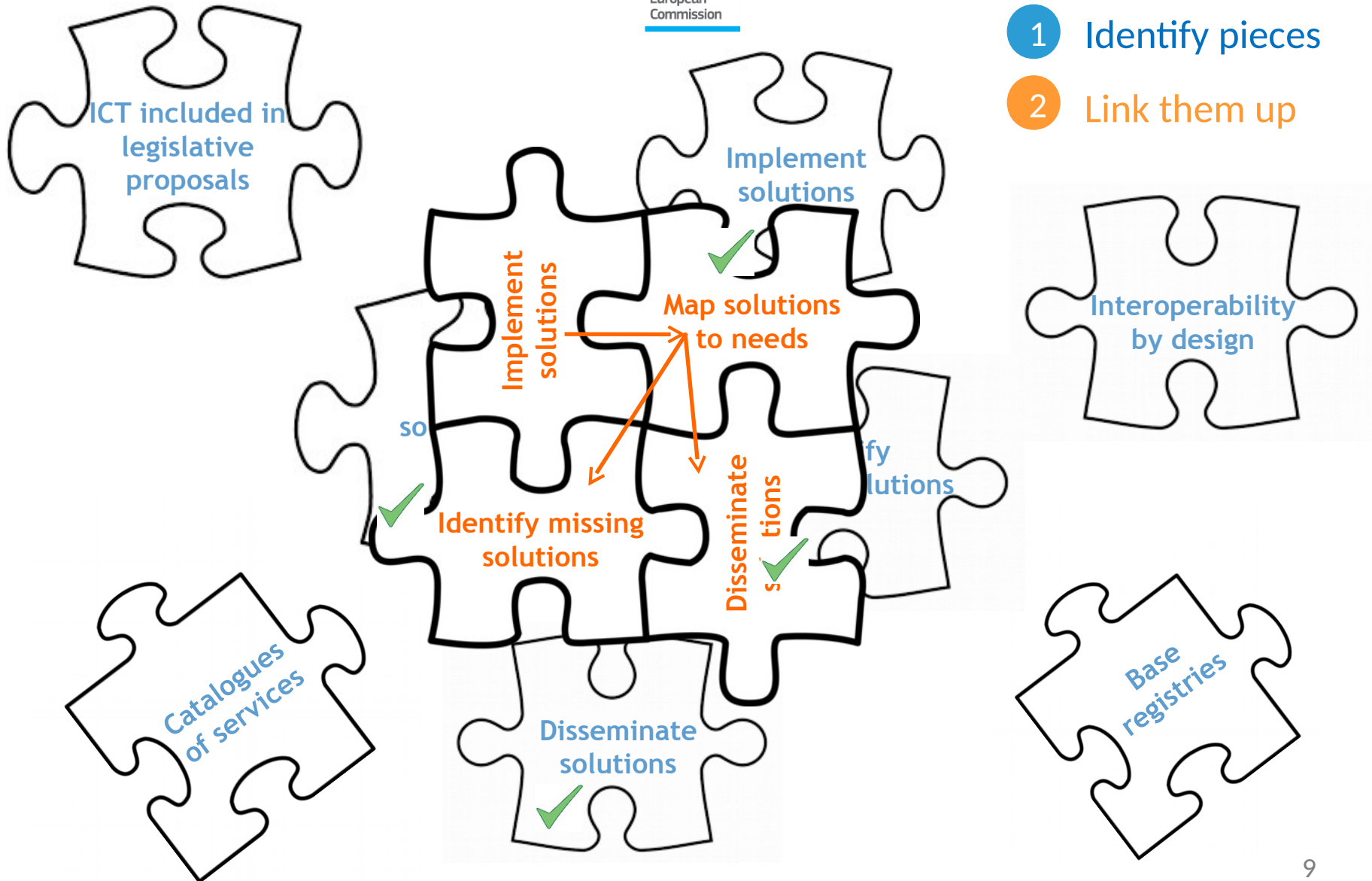
The ISA<sup>2</sup> programme shall **facilitate** efficient and effective electronic **cross-border** or **cross-sector** interaction between **European public administrations** and between them and **citizens and businesses**.

- Will run from 2016 until 2020, aligned with the Multi-annual Financial Framework (MFF)
- Will have a financial envelope of approx. 131 M€
- Will receive proposals from Member States and Commission services
- Will be executed by the European Commission



# The Interoperability puzzle

- 1 Identify pieces
- 2 Link them up

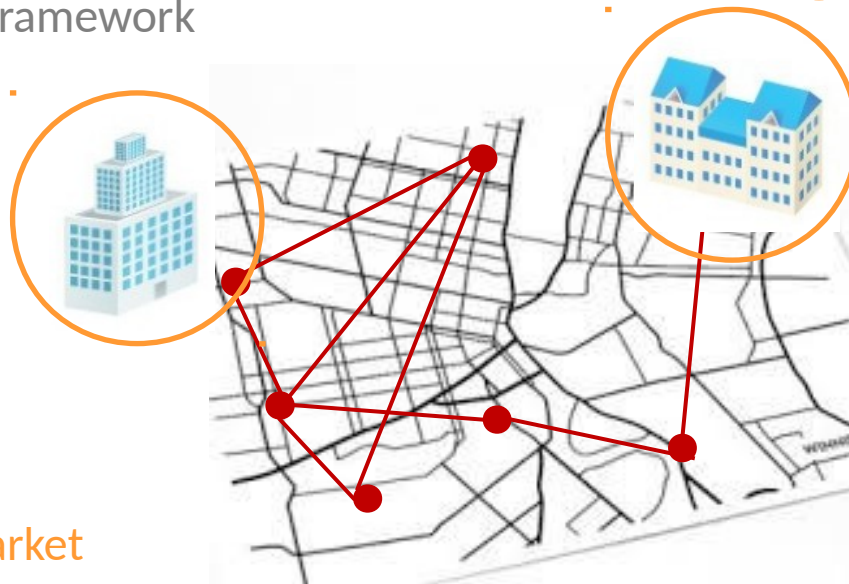


- European IOP Strategy & Framework (EIS and EIF)
- European Interoperability Reference Architecture – EIRA
- European IOP Cartography – EIC
- ICT impact of EU legislation ("Digital check")
- Share and reuse framework

1 Supporting instruments ("City planning")

2 Key interoperability enablers ("City utilities")

3 Support EU legislation and initiatives



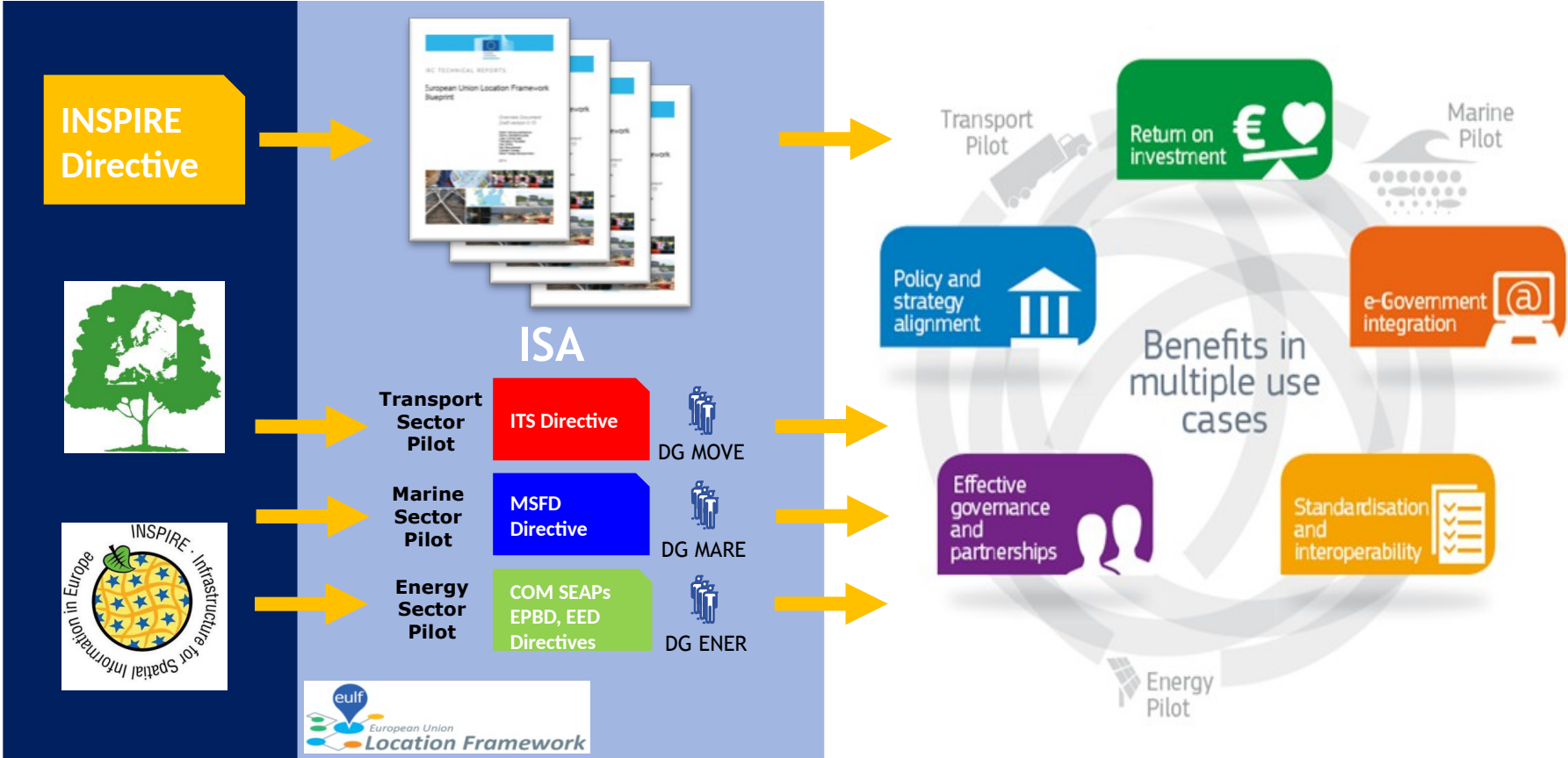
- Data exchange
- eID – eSignature
- Data semantics
- Base registries
- Catalogue of Services

- Digital Single Market
- INSPIRE



## Objective:

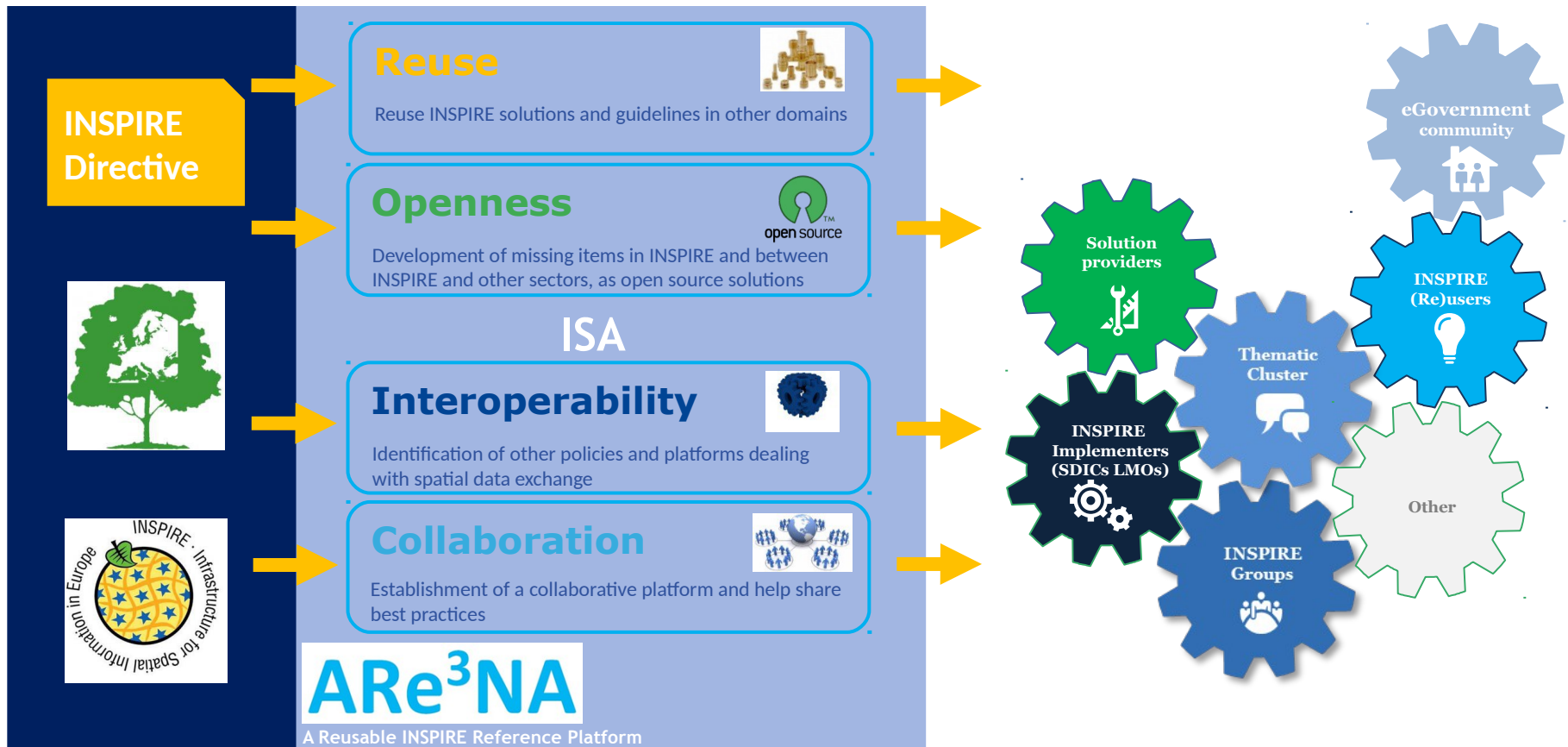
To deliver services, growth and better services through location government enabled





## Objective:

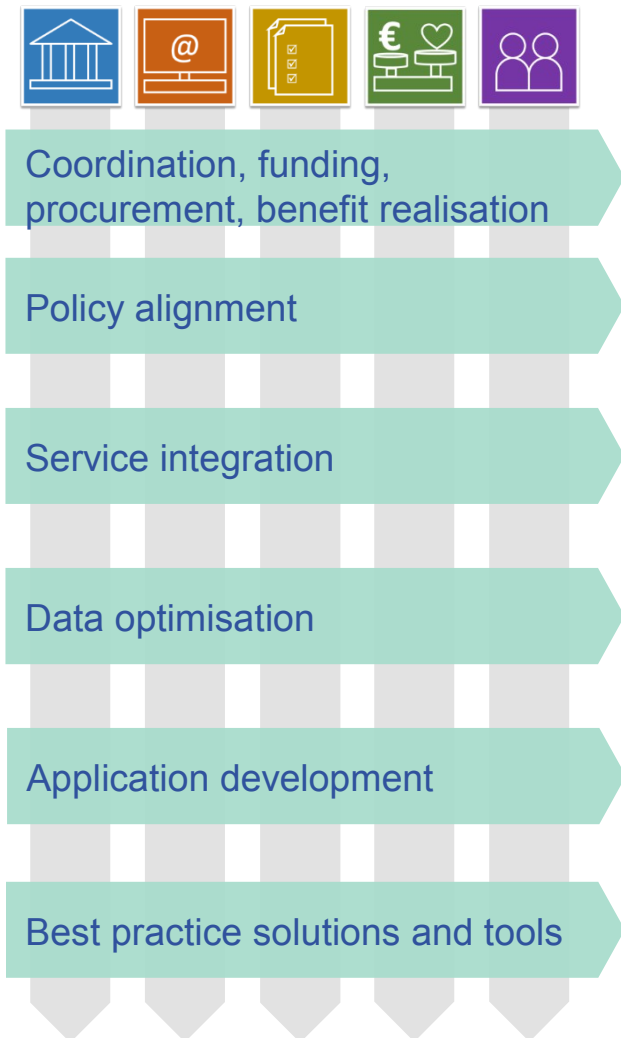
To build a collaborative platform for sharing reusable INSPIRE components aiding INPSIRE implementation and cross-border/sector interoperability





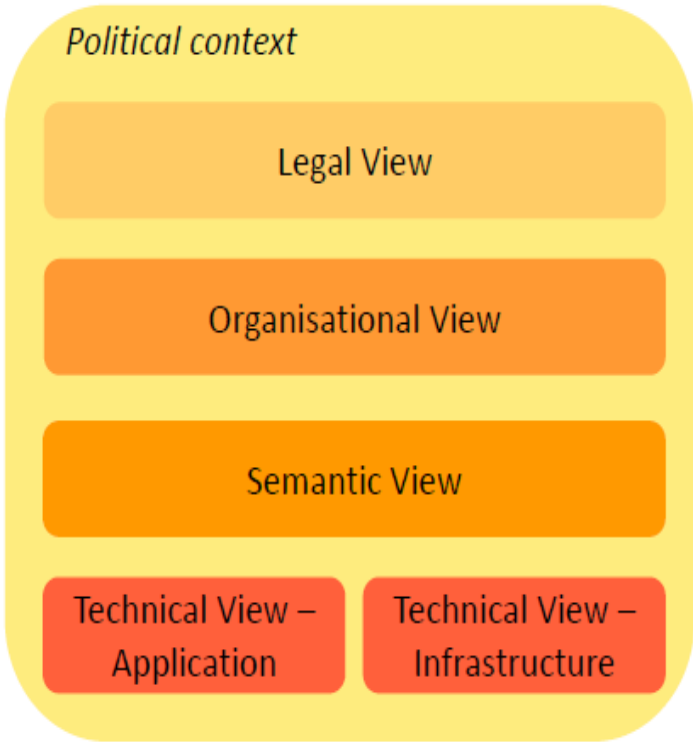
## EULF Blueprint

TOOLKITS: Recommendations, best practices, guidelines, methodologies




## EIF Interoperability levels

European Interoperability Framework



## EICart

European Interoperability Cartography



## EIRA

European Interoperability Reference Architecture





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Digital Single Market



European Commission

The screenshot shows the Joinup website interface. At the top, there is a navigation bar with 'Contact | Search | Glossary | Help | Analytics Disclaimer | English (en)'. Below this is the 'joinup' logo and a search bar with 'Login or Sign up' and a 'Search' button. The main header reads 'Share and reuse interoperability solutions for public administrations'. The breadcrumb trail is 'European Commission > ISA > Joinup > Projects > Eia > Description'. The navigation menu includes 'My Page', 'Communities', 'Interoperability solutions', 'News', 'Events', 'e-Library', and 'People'. The 'Interoperability solutions' section is active, showing 'Catalogue', 'Federated repositories', and 'Projects'. The main content area features the 'European Interoperability Architecture (EIA)' project, with a 'Download' button and social media sharing options (Facebook, Twitter, Google+, LinkedIn, and Print). The description states: 'Submitted by [Eia Team](#) on August 06, 2014'. The 'Description' tab is selected, showing: 'With the growing amount of information exchanges between public services (across borders and sectors), the need for interoperability in Europe is higher than ever. The ISA Action 2.1 (EIA) introduces a reference architecture to guide public administrations in their work to provide interoperable European public services to businesses and citizens.' A 'Propose your...' button and an 'Actions' dropdown are visible. A 'Related Content' section lists two articles: '06 May 2014 | Europe PUBLIC ENTITIES REDUCING LOCK-IN: THE WAY FORWARD.' and '11 April 2014 DIGIT - Common Information Sharing Environment - CISE Incubator'. A video player is partially visible at the bottom left with the text 'An interoperable Europe. Interested?'.

Join ISA initiatives at: [http://ec.europa.eu/isa/index\\_en.htm](http://ec.europa.eu/isa/index_en.htm)  
and @ <http://joinup.ec.europa.eu>



<http://goo.gl/eK1EY>



@SEMICeu



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