



# European Interoperability Framework

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ISA<sup>2</sup>

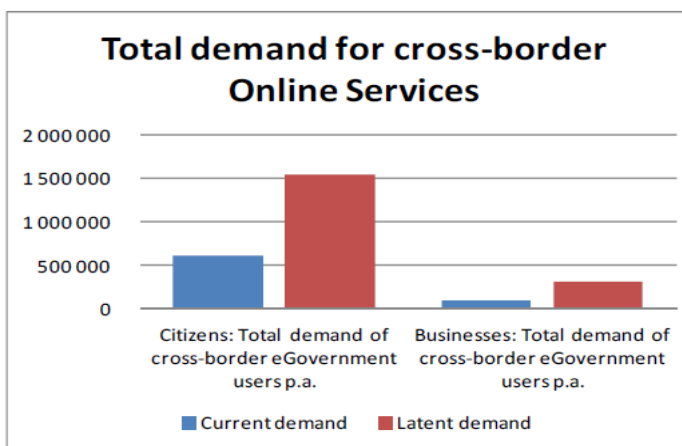
## INSPIRE 2017



# Citizens & businesses on the move



Citizens active in another Member State as	
Workers	7.1 million (2013)
Students	571 000 (2010)
Residents	18.5 million (2014)
Tourists	223 million visits (2015)
Consumers	19% of online shoppers (2015)
Migrants between the Member States	1.3 million (2014) intra-EU
SMEs active in another Member State as	
Exporters	5.5 million (26 % of SMEs, 2009)
Investors	500 000 (2009)
Subcontractors	1.4 million (2009)



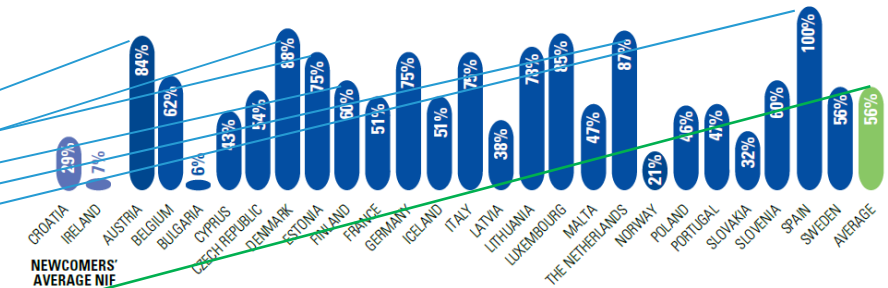
Tinholt, D., et al., *Study on Analysis of the Needs for Cross-Border Services and Assessment of the Organisational, Legal, Technical and Semantic Barriers*. Capgemini et al. for the European Commission, 2012

# Digital public services Current landscape

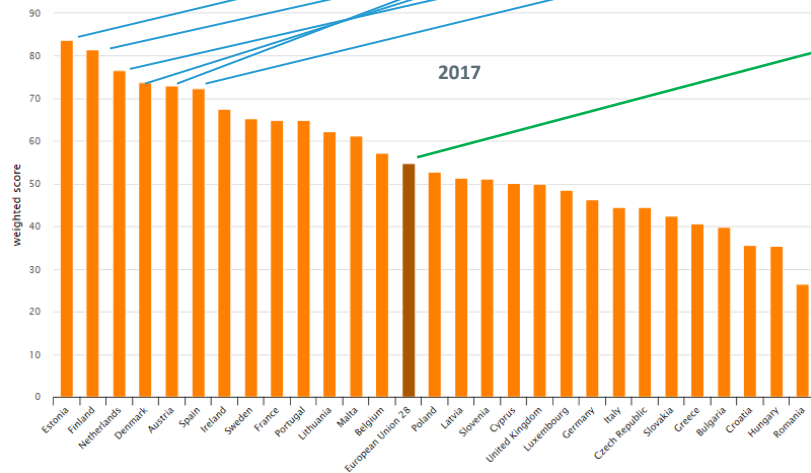


where interoperability scores high ...

AVERAGE NIF IMPLEMENTATION 2016



Digital Economy and Society Index



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

NEWCOMERS' AVERAGE NIF IMPLEMENTATION 2016



... digital public services score high



# Baseline – EIF 2010



## So far so good ...

EU & national

### 2016 alignment

There is an overall excellent NIF-EIF alignment across countries for 2016, with slight increase if compared with previous years



Domain specific

- e-Health interoperability framework
- eIDAS Regulation – interoperability framework for mutual recognition of IDs
- **INSPIRE Directive, location interoperability**
- Connecting Europe Facility building blocks

Support by





## EU Institutions and Member States to implement



Communication, COM(2017) 134, 23 Mar 2017

*"European Interoperability Framework – Implementation Strategy"*

Annex 1: **Interoperability Action Plan** (5 focus areas, 22 actions)

Annex 2: The **European Interoperability Framework**

(mainly) supported by ISA<sup>2</sup>

# EIF 2017 add-ons



**Policy**  
A policy described government, private  
"Statement of Inter  
important organiza

**Alignment with policy development**

- Digital Single Market (EIF revision in the Roadmap)
- **INSPIRE Directive**
- Revised Directive on Public Sector Information
- eIDAS Regulation
- e-Government Action Plan 2016-2020



**Alignment with emerging trends**

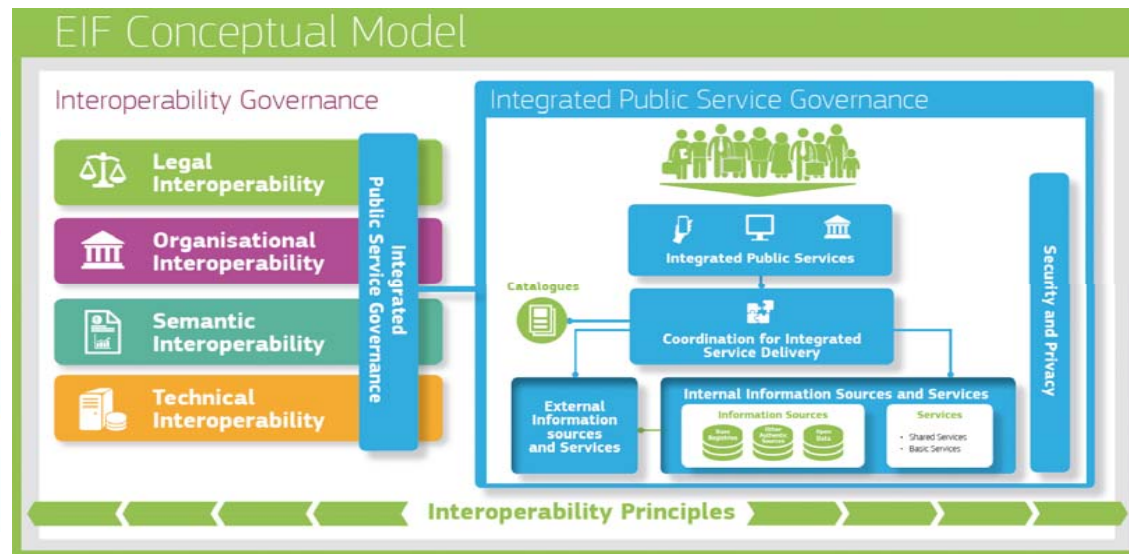
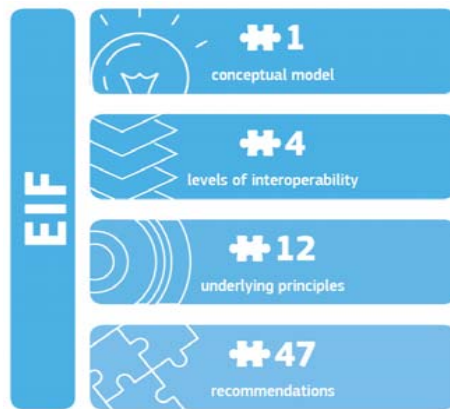
- Interoperability governance
- Integrated service delivery
- Data/Information management
- European Interoperability Reference Architecture
- Security & privacy



**More focus on EIF implementation**

- More concrete recommendations
- Point to specific solutions that can facilitate implementation
- Interoperability Action Plan

# EIF 2017 – structure



# EIF 2017 – example



The INSPIRE Directive is an important domain-specific illustration<sup>20</sup> of an interoperability framework including legal interoperability, coordination structures and technical interoperability arrangements.

*Recommendation 2:*

**Publish the data you own as open data unless certain restrictions apply.**

*Recommendation 4:*

**Give preference to open specifications, taking due account of the coverage of functional needs, maturity and market support and innovation.**

*Recommendation 6:*

**Reuse and share solutions, and cooperate in the development of joint solutions when implementing European public services.**

*Recommendation 7:*

**Reuse and share information and data when implementing European public services, unless certain privacy or confidentiality restrictions apply.**



# EIF 2017 – example



## Implementation Examples



### Open Standards for local administrations OSLO (Belgium – Flanders)



### Basic Data program (Denmark)

Use specs such as DCAT-AP (or extensions i.e. GeoDCAT-AP), CPSV, ADMS to describe open data, public services and interoperable solutions

#### ✚ Recommendation 42:

Publish open data in machine-readable, non-proprietary formats. Ensure that open data is accompanied by high quality, machine-readable metadata in non-proprietary formats, including a description of their content, the way data is collected and its level of quality and the licence terms under which it is made available. The use of common vocabularies for expressing metadata is recommended.

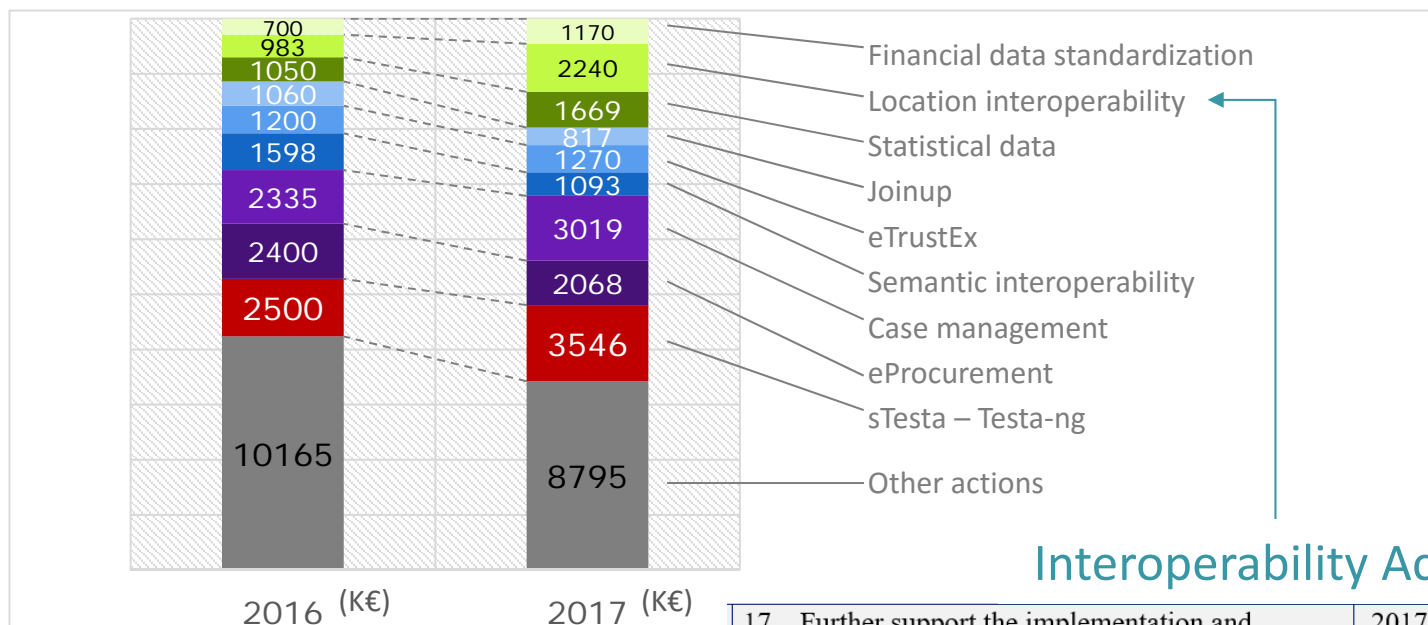
#### ✚ Recommendation 44:

Put in place catalogues of public services, public data, and interoperability solutions and use common models for describing them.

# Action Plan and ISA<sup>2</sup>



## ISA<sup>2</sup> Work Programme



## Interoperability Action Plan

17. Further support the implementation and enhancement of the <b>INSPIRE</b> Directive through the use of geospatial data in digital public services.	2017-2020	EC, MS
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# What's next?



- **Oct 2017 ministerial declaration on eGovernment, EE** presidency: EUIs and Member States to commit - among other eGov related things - on EIF implementation
- **ISA<sup>2</sup> to continue supporting + monitoring the EIF (evaluation by end-2019) including INSPIRE related actions**
- **Commission to reflect on how '*digital and interoperable public administrations*' fit into the **post 2020 MFF****

# Q&A



A screenshot of the ISA2 website. The header includes the European Commission logo and the text "ISA2 Interoperability solutions for public administrations, businesses and citizens". Below the header is a navigation menu with items like "ABOUT ISA2", "ACTIONS", "SOLUTIONS", "B2B AWARDS", "ISA2 CONFERENCE", "DASHBOARDS", "CONSULTATIONS", "LIBRARY", "EVENTS", and "NEWS". The main content area features a large blue banner with the text "ISA2 - IT solutions for less bureaucracy" and "You click, we link". Below the banner are three columns: "News" with a "#SRCONF17" article, "Events" with a "Big Linked Geodata" article, and "Video" with an "ISA2 - IT solutions for less bureaucracy" video. At the bottom, there are two quotes from officials: Andreas Arisp, Vice-President of the European Commission, and Gertraud Ingebrigtsen, Director-General of the Directorate-General for Informatics.

Join ISA initiatives at: [ec.europa.eu/isa2](http://ec.europa.eu/isa2)  
and [joinup.ec.europa.eu](http://joinup.ec.europa.eu)



joinup

