

## EIF and NIFO, connecting public administrations, businesses and citizens



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 $ISA^2$ 

Programme manager of National Interoperability Framework Observatory (NIFO) Directorate-General for Informatics; European Commission OpenBelgium 12<sup>th</sup> March 2018



#### A DIGITAL SINGLE MARKET NEEDS MODERN PUBLIC SERVICES







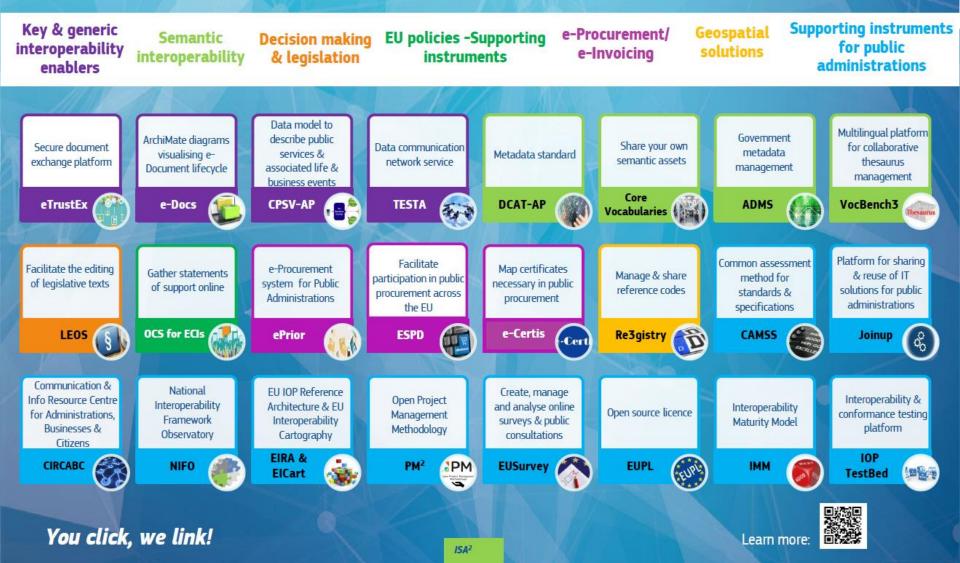
# Overview of ISA<sup>2</sup> Programme





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

Check out our interoperability and open source solutions to cut red tape. More to come!



## **CHECK OUT AND DOWNLOAD ISA<sup>2</sup> SOLUTIONS** ec.europa.eu/isa2



Multilingual online surveys

More than 5,400 surveys in 2016

#### DCAT-AP

Metadata management and reuse of semantic assets

83,000 datasets from 15 national data portals



#### JOINUP

**Collaborative platform to share** and reuse IT solutions



Single access point to 2830 IT solutions 72 communities 30.219 users



#### CPSV-AP

A data model for describing public services and the associated life and business events 1.100 times downloaded until January 2017

#### e-TrustEX

A secure document exchange platform 500,000 electronic messages in 2014 Used by:



**7 National Parliaments** 

European Commission & EU bodies

8 Permanent Representations

## **OCS for ECIs**

Gather statements of support online

33 out of 41 European Citizens Initiatives launched in 2016



TESTA



A data communication network service.

operated by the European Commission

80 applications in various EU policies domains 10 services at Member State level







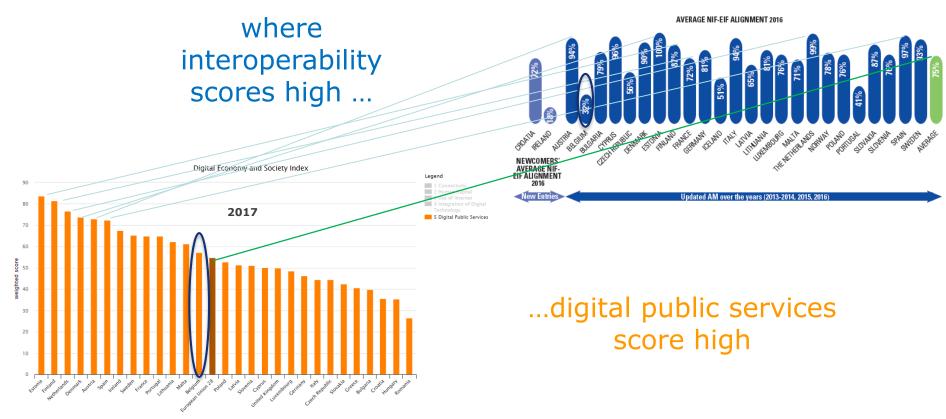
#### New European Interoperability Framework

Promoting seamless services and data flows for European public administrations

# EIF European Interoperability Framework



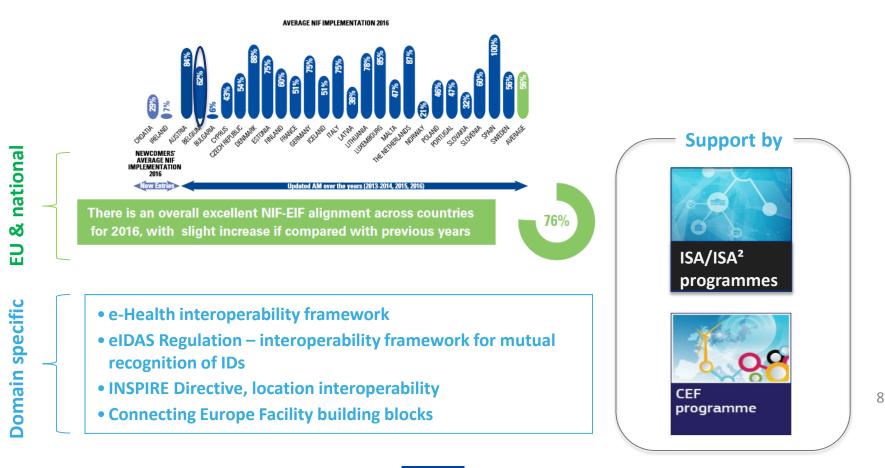
## **Digital public services - Current landscape**



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## So far so good ...





#### The political context: Tallinn Declaration



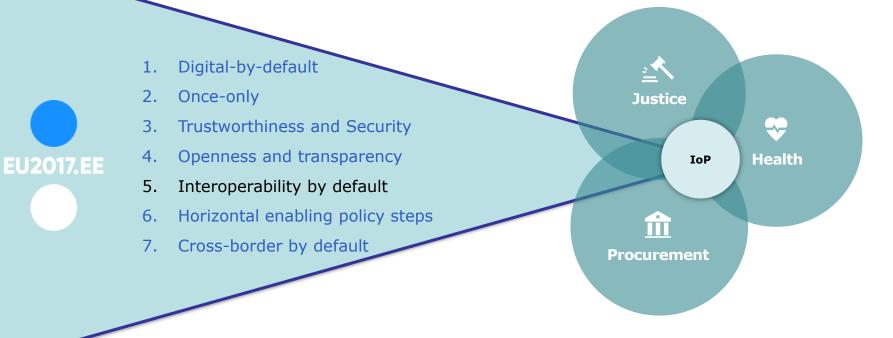
"We confirm our commitment to the vision laid out in the EU eGovernment Action Plan 2016-2020 and in the European Interoperability Framework"

> 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)



## **New EIF?**



## ... but still some way to go



## Alignment with policy development

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



Alignment with emerging technological trends

- Interoperability
   governance
- Integrated service delivery
- Information Management (big & open data)
- 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



## 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

European Commission

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



#### **EUROPEAN INTEROPERABILITY FRAMEWORK**

**GUIDING EU MEMBER STATES SINCE 2005** 

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#### **IDABC Programme**

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2005

Interchange of Data between Administrations, Businesses and Citizens

#### ISA Programme

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Interoperability Solutions for Public Administrations

EIE-V2

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

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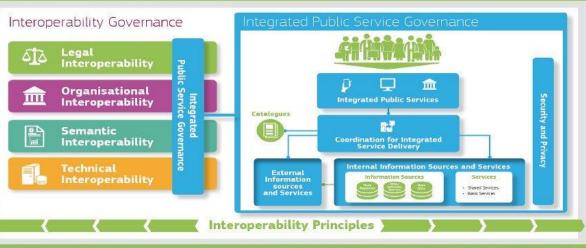
2016

Interoperability Solutions for Public Administrations, Businesses and Citizens

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#### EIF Conceptual Mode

2010





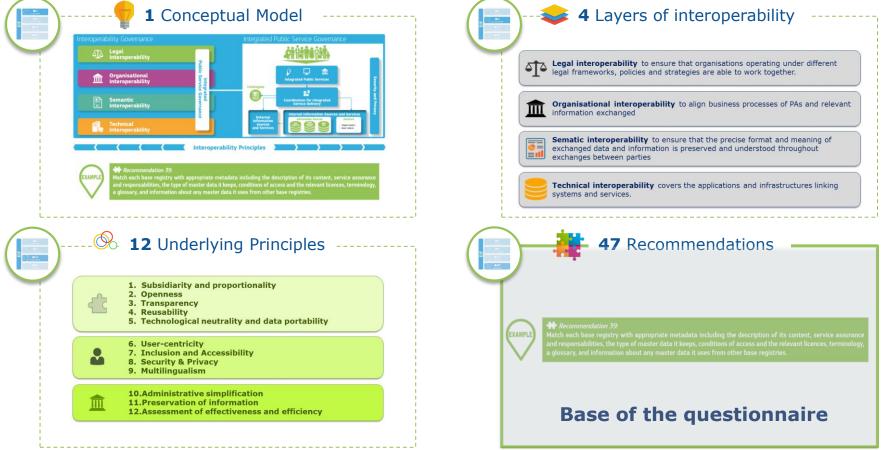
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2020



#### EIF Overview: EIF Elements

## **Detailed view of the EIF structure:**





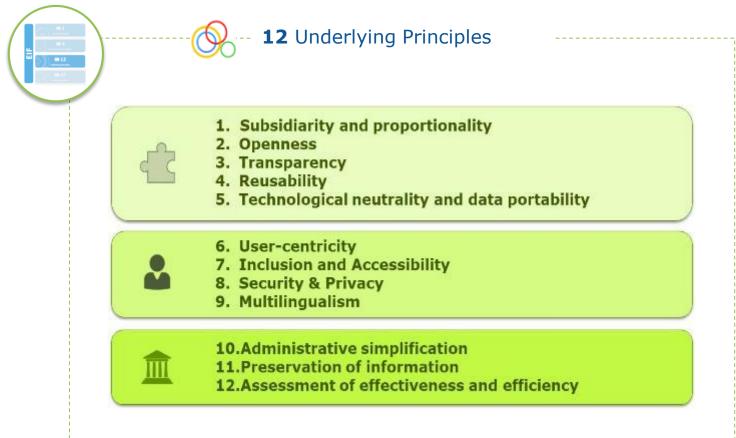
#### EIF Overview: EIF Elements Detailed view of the EIF structure



Technical interoperability covers the applications and infrastructures linking systems and services.



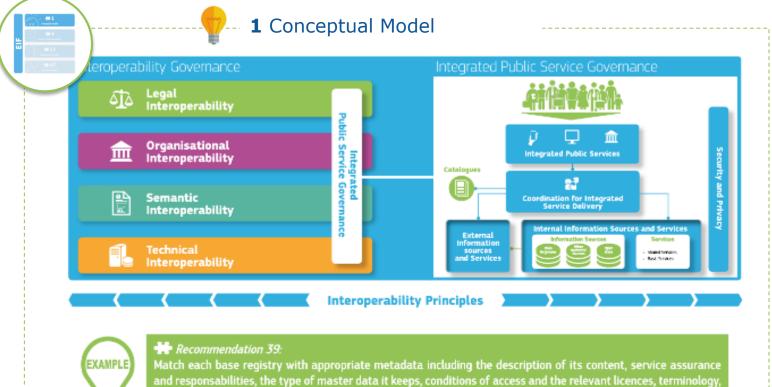
#### EIF Overview: EIF Elements Detailed view of the EIF structure





# EIF Overview EIF Elements De

#### **Detailed view of the EIF structure**

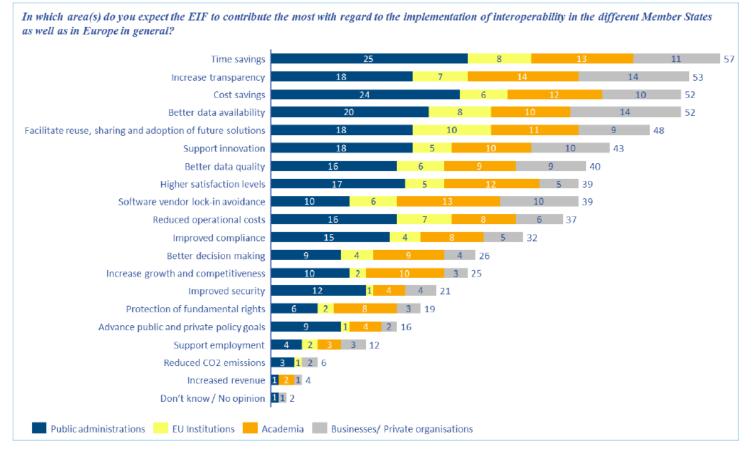


a glossary, and information about any master data it uses from other base registries.

## **EIF - benefits**



## **Expectations** !



<u>Source</u>: results from the open public consultation with public administrations, academia/research/standardisation organisations, business and private organisations and the targeted consultation with EU institutions/agencies.



## Data is a boost to interoperability and better public service delivery

#### 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.

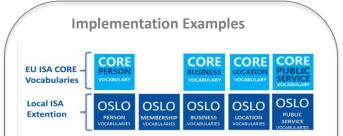
#### Recommendation 7:

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

Recommendation 30:

Perceive data and information as a public asset that should be appropriately generated, collected, managed, shared, protected and preserved.





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



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

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#### **H** 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.

#### **H** Recommendation 44:

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



# EIF Monitoring Mechanism Strategic view



Article 1.2 of the ISA<sup>2</sup> Decision states that "the Commission, through the ISA<sup>2</sup> programme, shall **monitor the implementation of the EIF**". Establish the **degree of implementation** of the EIF in Member States through the measurement of **specific primary/secondary indicators** for each of its 47 recommendations. Provide each Member State with its level of implementation of the EIF based on a recommendation by recommendation measurement.

#### EIF Monitoring Mechanism Inputs & benefits



# Inputs

#### **Primary indicators**

 Definition of new primary indicators and reuse of existing indictors from previous NIFO when secondary indicators either do not exist or are not yet available

#### **Secondary indicators**

 External indicators from data sources of relevant EC legislation, initiatives and activities that measure interoperability (e.g. Open Data Portal, eGovernment Benchmark Report)

#### **NIFO/EIF Monitoring Mechanism**

Benefits	Granular & concrete measurement of a country's level of EIF implementation	Enables ISA <sup>2</sup> programme to leverage on existing indicators	Valuable input for ISA <sup>2</sup> programme mid-term & final evaluations	Provides evidence for potential synergies across EC to further common objectives	Marketing tool for ISA <sup>2</sup> as an enabler of core EU policies
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#### Towards the new observatory





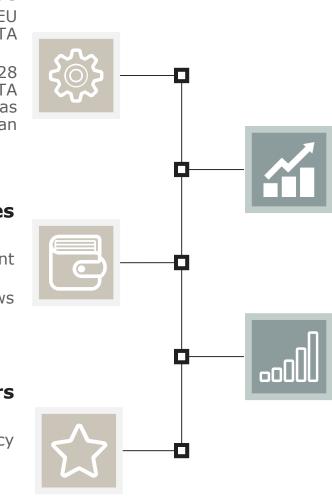
- NIFO factsheets for 28 EU Member States and EFTA countries.
- eGovernment factsheets for 28 EU Member States, EFTA countries, Turkey, FYROM as well as for the European Commission.

#### **Analytical Capabilities**

- Users can find best practices.
- View NIFO and eGovernment factsheets.
- Find and share their own news and events items.

#### **End-users**

- EU public administrations.
- National experts and policy officers.
- European Commission.
- ICT industry.



#### **Data Sources**

- NIFs are updated by the responsible national authorities.
- NIFO and eGovernment factsheets are updated by the contracting authority, with data supplied by the national contact points.

#### Main Outputs

Users can access:

- eGovernment and NIFO factsheets;
- Yearly updates to the Analytical Model;
- Annual report on the State of Play on Interoperability in Europe.



Semantic Interoperability Conference

#SEMIC201

**@EU\_isa2** 

# Linked Digital Public Administrations

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14 June 2018 - Sofia, Bulgaria

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Initiative supported by the ISA<sup>2</sup> Programme

CLEARNER NETO BPARE CREATA





## **Questions?**



## ISA<sup>2</sup> programme You click, we link. Stay in touch

### ec.europa.eu/isa2

@EU\_isa2

isa2@ec.europa.eu

Run by the Interoperability Unit at DIGIT (European Commission) with 131€M budget, the <u>ISA<sup>2</sup> programme</u> provides public administrations, businesses and citizens with specifications and standards, software and services to reduce administrative burdens.