



"Revision of the European Interoperability Framework (EIF)"

Workshop with Standardisation bodies

Tuesday 14 July 2015, 13:00 – 17:00

*at Room Salle Daniel Jacob rue Montoyer, nr 34 / 3d Floor
B-1040 – Brussels*

EUROPEAN COMMISSION

Directorate General for Informatics – DIGIT.B.6



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- Context
- Timeline and expected inputs
- Conclusions and question time

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Introduction and roundtable

Agenda



13:00 – 13:20 **Introduction and roundtable**

Introduction and welcome by Vassilios Peristeras

Roundtable with Standardisation bodies representatives

13:20 – 14:50 **Presentation of the EIF revision initiative**

- Context
 - *Overview of the EIF context*
 - *ISA Programme: Action 4.2.03 – National Interoperability Framework Observatory (NIFO)*
 - *State of Play of Interoperability in EU - Report 2014*
- Revision of the existing European Interoperability Framework (EIF)
- Timeline of the process and expected inputs

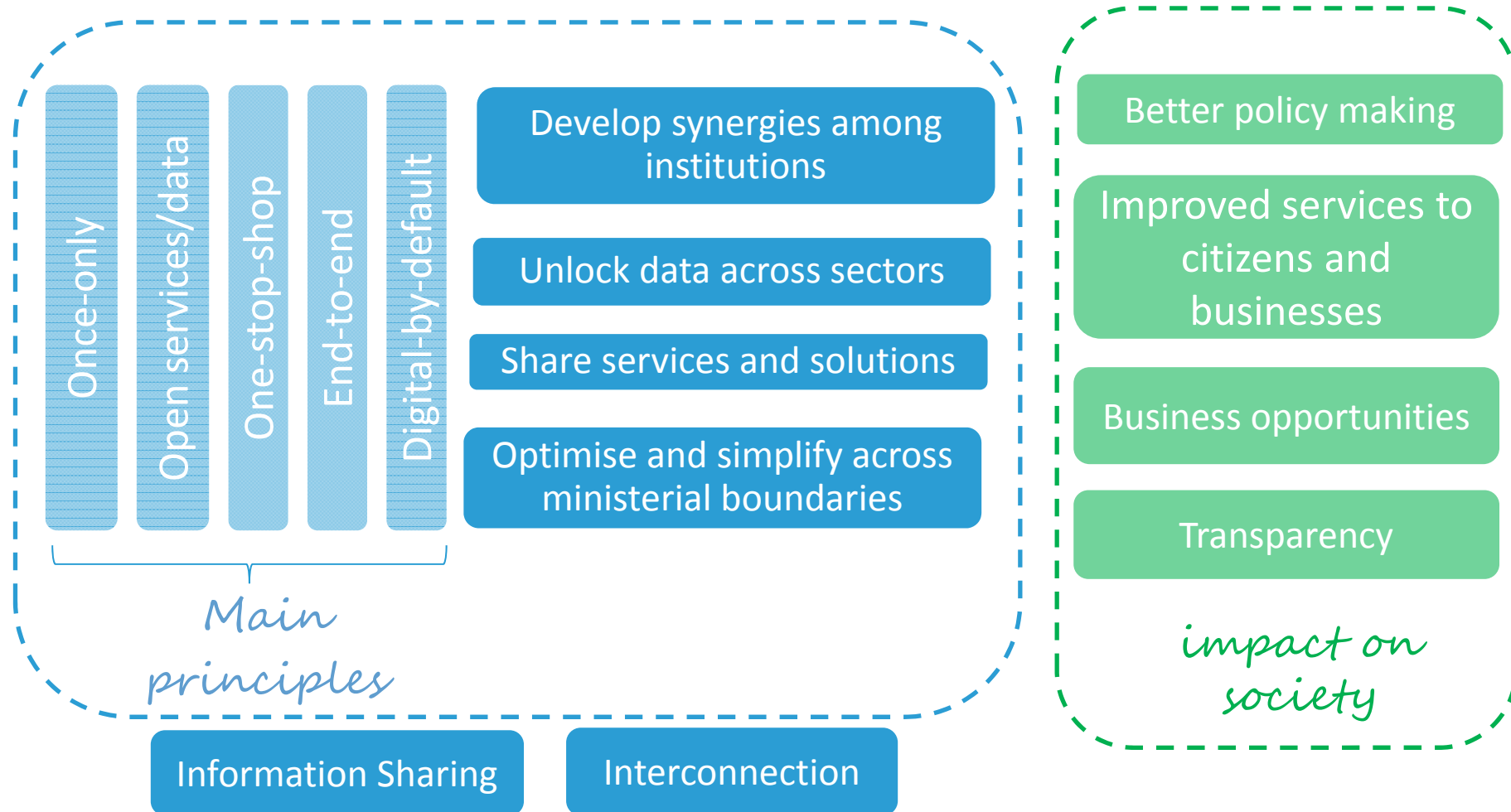
14:40 – 14:50 **Conclusions and question time**

14:50 – 15:10 **Coffee break**

15:10 – 15:25 **Next Steps**

- Expected input from Standardisation bodies
- Conclusions wrap-up

15:25 – 17:00 **Open discussion**





ISA²

Interoperability

Solutions for European Public

Administrations, Businesses and Citizens



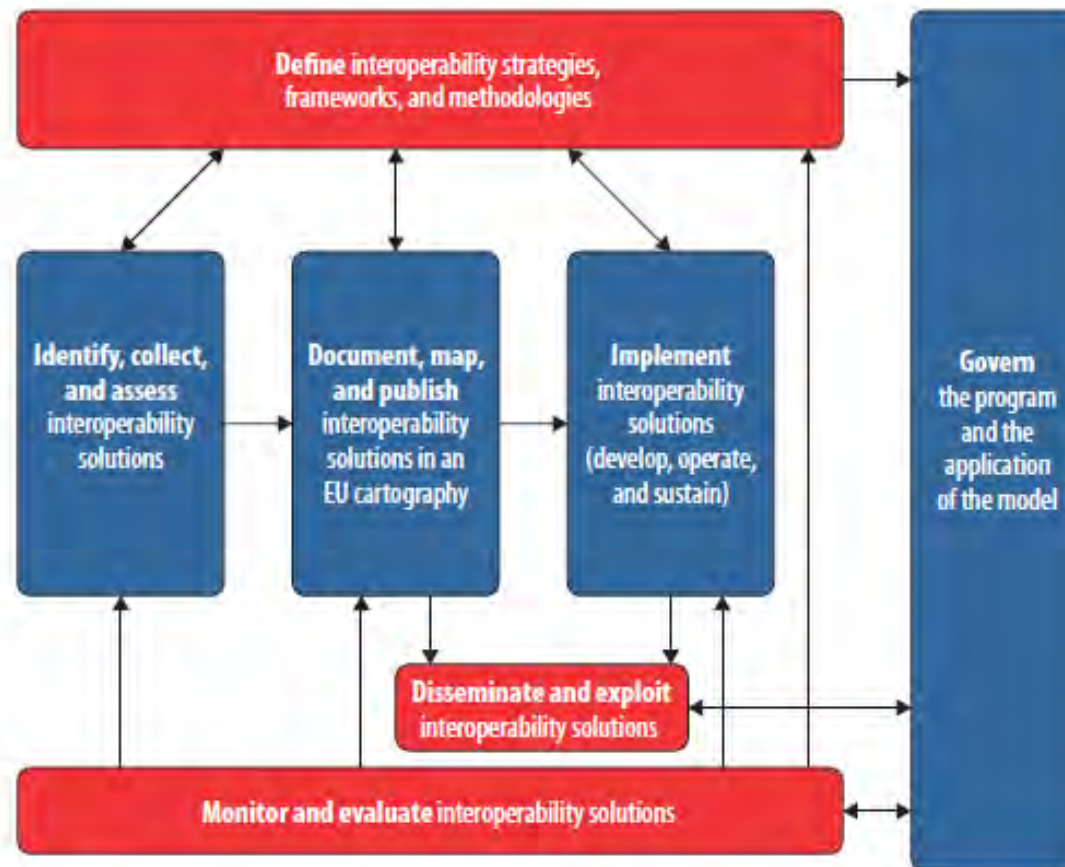
The objective

The ISA² programme shall **facilitate** efficient and effective electronic **cross-border or cross-sector** interaction between **European public administrations** and between them and citizens and businesses.

Implementation:

- The new programme is set to run from 2016 until 2020
- Alignment with Multi-annual Financial Framework (MFF)
- The operational financial envelope is approximately **131 million Euro**
- Proposals from Member States and Commission services executed by the European Commission

Interoperability value creation model





Introduction

Digital Single Market Strategy

The **Digital Single Market strategy**, adopted on the 6 May 2015, includes 16 initiatives, built on three pillars, to be delivered by the end of 2016.

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

Unlocking e-commerce potential



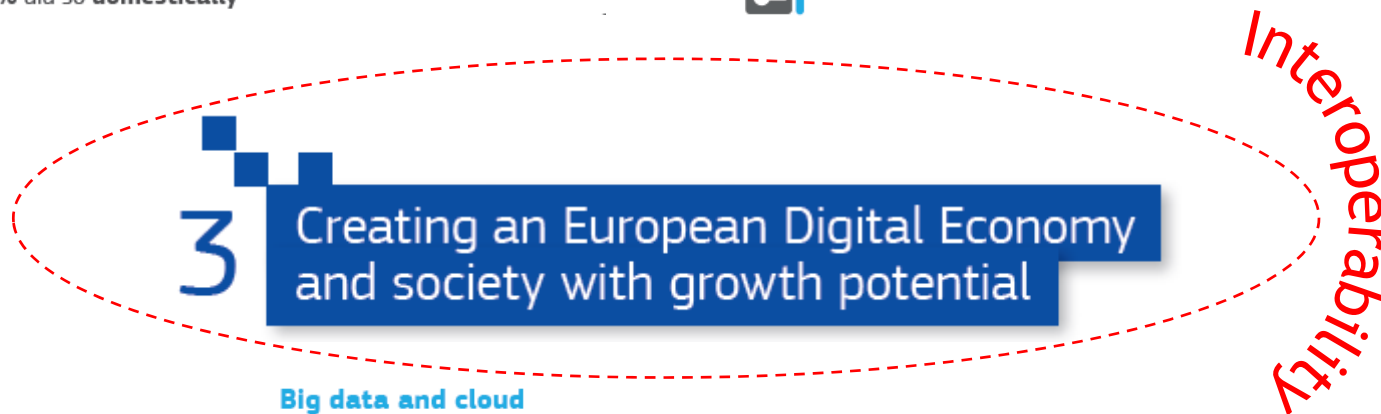
15% of consumers bought online from other EU countries in 2014 while **44%** did so **domestically**

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**



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**



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

The EIF extension can then be justified by **important priorities set at EU level.**

For instance, the EIF principles can be updated taking into account:

(i) the "once-only" principle that should be put into effect EU-wide;

(ii) the application of new technological developments such as big data, cloud etc.



Introduction

Example of Editable File



EIF Element Type

This column provides the type of the specific EIF element under analysis:

- Definitions
- Recommendations
- Principles
- Conceptual Model and Interoperability Levels

Element Description

In this field is summarized what is included in the EIF document for each element.

PRE-FILLED
COLUMNS

<i>Elements under analysis</i>		<i>Proposed revision</i>		
Element type	Element description	Type of the revision	Description of the proposed revision	Supporting evidence
Definition	D.1 European Public Service: <i>A cross-border public sector service supplied by public administrations, either to one another or to European businesses and citizens</i>			
Definition	D.2 Interoperability: <i>Interoperability, within the context of European public service delivery, is the ability of disparate and diverse organisations to interact towards mutually beneficial and agreed common goals, involving the sharing of information and knowledge between the organisations, through the business processes they support, by means of the exchange of data between their respective ICT systems.</i>			
Definition	D.3 Interoperability Framework: <i>An interoperability framework is an agreed approach to interoperability for organisations that wish to work together towards the joint delivery of public services. Within its scope of applicability, it specifies a set of common elements such as vocabulary, concepts, principles, policies, guidelines, recommendations, standards, specifications and practices</i>			
Recommendation	R.1. Public administrations should align their interoperability frameworks with the European Interoperability Framework to take into account the European dimension of public service delivery.			





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Presentation of the EIF revision initiative

Background and context



European Interoperability Framework (EIF)
for
European public services

In its Communication of 16 December 2010, the Commission introduced the **European Interoperability Strategy (EIS)** and the **European Interoperability Framework (EIF)**.



EUROPEAN COMMISSION

Brussels, le 16.12.2010
COM(2010) 744 final
Annex 2

Annex 2

to the

Communication from the Commission to the European Parliament, the Council, the European Economic and Social Committee and the Committee of Regions: 'Towards interoperability for European public services'

EN

EN

The EIF promotes and supports the delivery of European public services by fostering cross-border and cross-sectoral interoperability.



The ISA Programme contributes to the implementation of the Digital Agenda for Europe, one of the seven flagship initiatives in the Europe 2020 strategy for smart, sustainable and inclusive growth.

Action 26 of the Digital Agenda for Europe: *"Member States committed to align their National interoperability Frameworks to the EIF".*

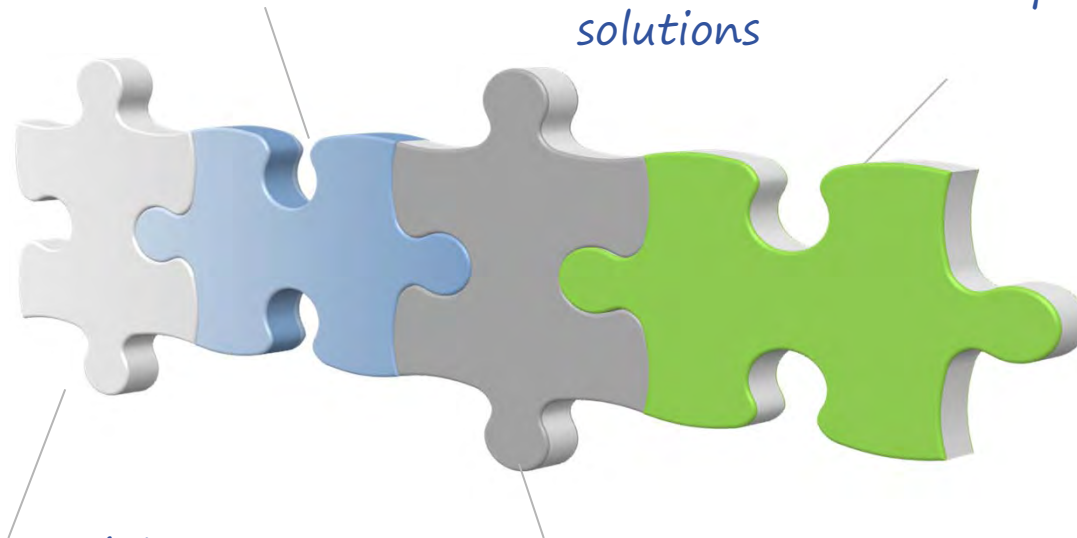
Under the ISA Programme, the **Action 4.2.3 National Interoperability Framework Observatory (NIFO)** aims to achieve closer alignment of interoperability frameworks across Europe and for this reason monitors interoperability activities among Member States.



Main objectives of the NIF Observatory

Achieve closer alignment of interoperability frameworks across Europe

Exchange and promote between European countries good practices in the fields of interoperability solutions



Monitor interoperability activities among European countries

Give a clear overview of eGovernment in Europe

State of play of IOP: 2014 Final Report



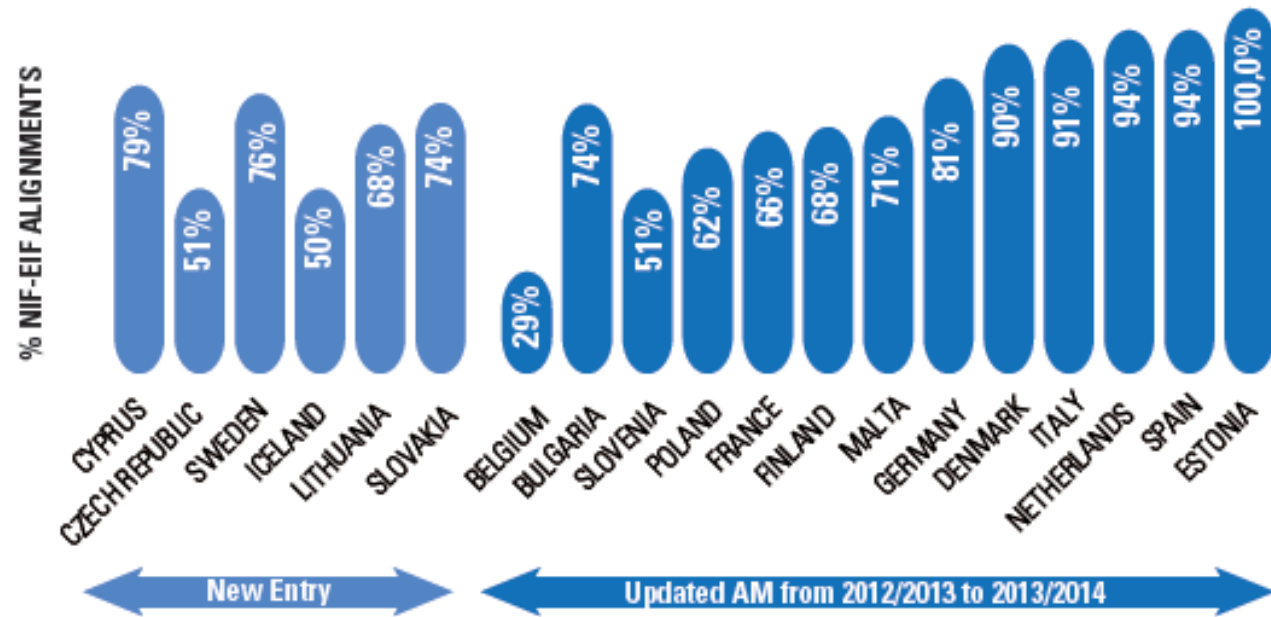
- Summary of the **main findings emerging from the analysis of the NIFs** across Europe
- Overview of the **main developments in alignment of NIFs with the European Interoperability Framework (EIF)** and paves the way for continued and enhanced monitoring and sharing of best practices
- **Best practices on interoperability** to be shared among countries
- The summary of the State of Play Report is **published into the EC collaborative platform JoinUp.eu**



European Interoperability Framework

Well accepted as a framework by the MS

AVERAGE NIF-EIF ALIGNMENTS

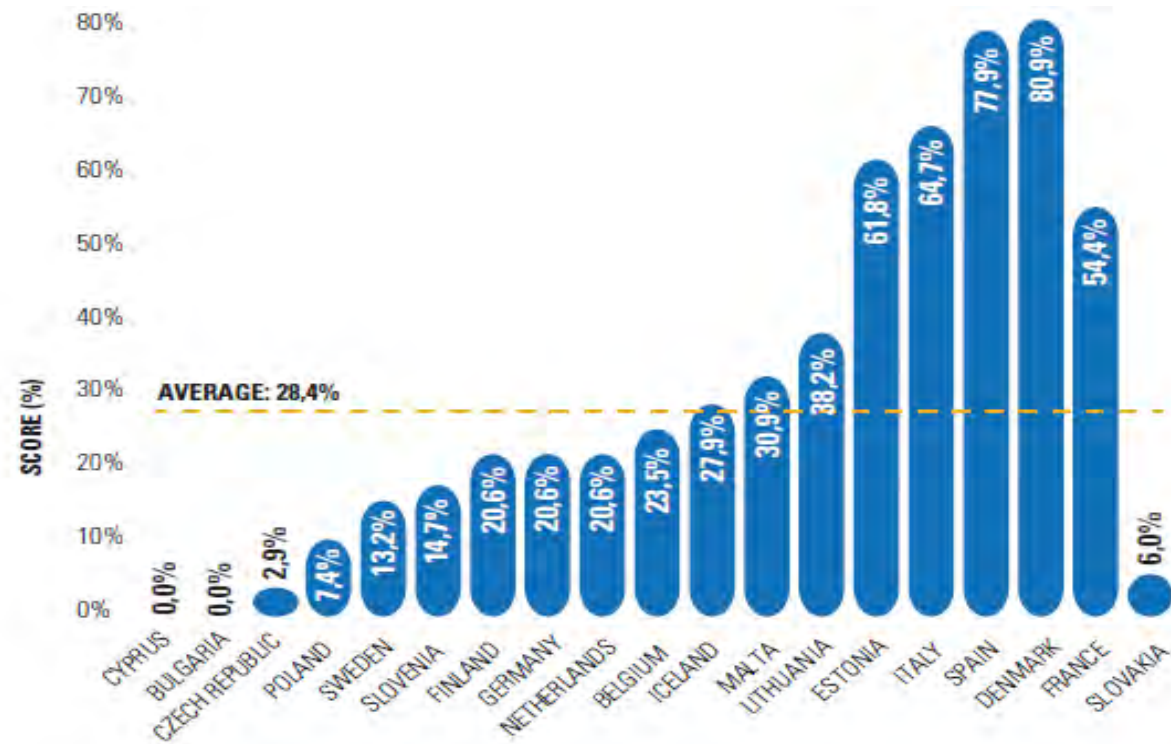


There is an overall very good NIF-EIF alignment across countries for 2014

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 lower than the overall average of NIF-EIF Alignment (72%)



Key Challenges in Member States

Legal level

- Legislation

Organisational level

- Re-use and sharing as an answer to financial restrictions (*seen both as an obstacle and an opportunity*)

- Lack of skills

Governance, coordination & enforcement

- Cooperation (Silo mentality)

- Country's size & complexity

- Stability of responsible entities

- Monitoring implementation

Semantic level

- Need ontologies and taxonomies

-Multilingualism

Technical level

- Focus on maintenance of legacy systems prevents innovation

- Base registers

- Catalogue of services



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Presentation of the EIF revision initiative

Revision of the existing European Interoperability Framework (EIF)



Several inputs for EIF revision:

- MSs feedbacks on EIF structure and text
- MSs key challenges on interoperability
- NIFO results
- Inputs from other ISA Actions
- Input from EIS revision
- Lessons learnt
- Input from policies
- Input from Standard Organisations
- Input through Public Consultation

State of Play of Interoperability in EU 2014



(i) Overall **Good** NIF-EIF alignment among MSs.

But some EIF recommendations are **not well understood**.



(ii) **Lagging behind** in EIF implementation.

Some challenges identified by MSs causing a **delay in the transposition of the EIF at national level**.

The EIF needs to be **revised and extended**



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Presentation of the EIF revision initiative

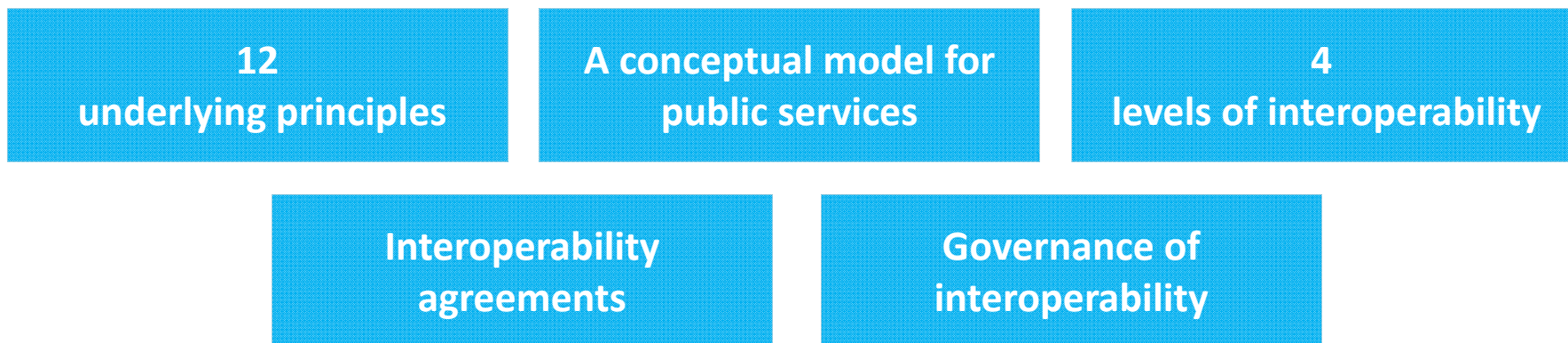
Current European Interoperability Framework – an overview



THE EIF AIMS TO:

- 1. promote and support the delivery of European public services** by fostering cross-border and cross-sectoral interoperability;
- 2. guide public administrations** in their work to provide European public services to Businesses and citizens;
- 3. complement and tie together national interoperability frameworks** at European level.

The EIF sets out guidelines in key areas to help achieve these aims:





12 Underlying Principles

**SETS THE CONTEXT
FOR EU ACTION**

1. Subsidiarity & Proportionality

**REFLECTS
GENERIC
USER NEEDS AND
EXPECTATIONS**

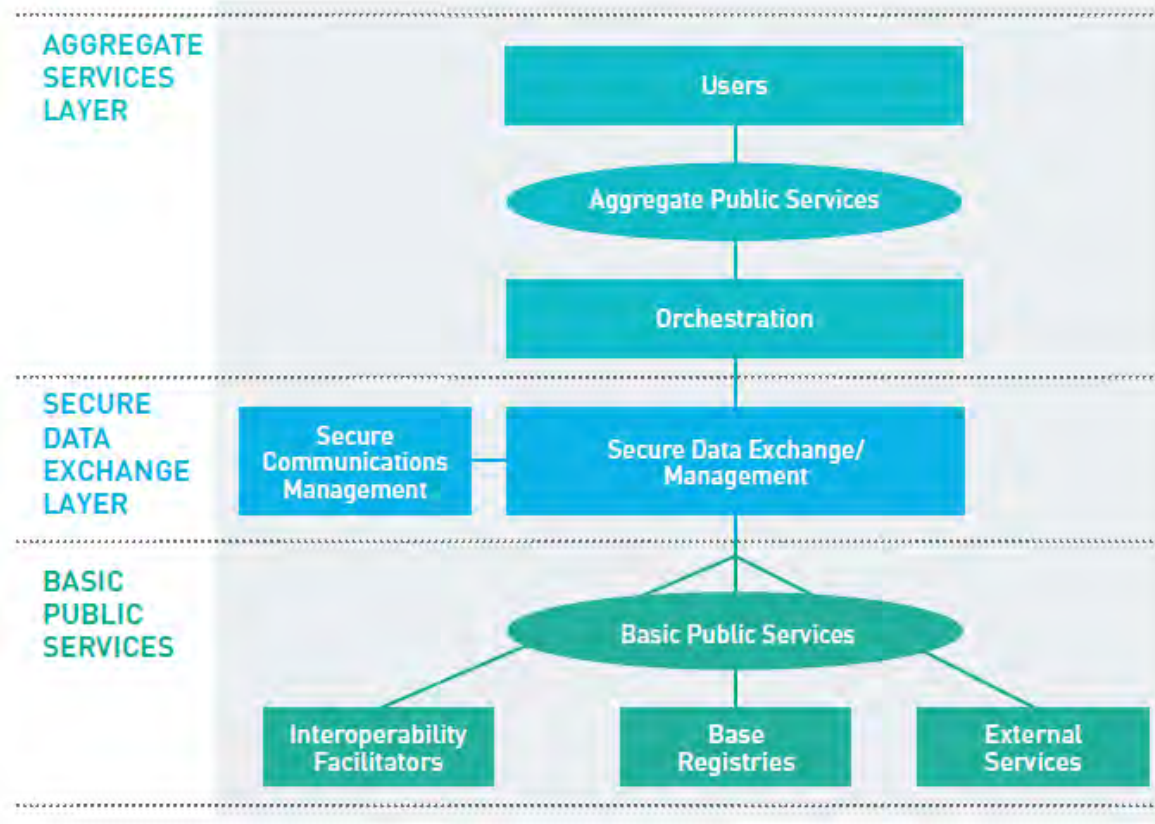
- 2. User-Centricity
- 3. Inclusion & Accessibility
- 4. Security & Privacy
- 5. Multilingualism
- 6. Administrative Simplification
- 7. Transparency
- 8. Preservation of Information

**PROVIDE
A FOUNDATION
FOR COOPERATION
AMONG PUBLIC
ADMINISTRATIONS**

- 9. Openness
- 10. Reusability
- 11. Technological Neutrality & Adaptability
- 12. Effectiveness & Efficiency

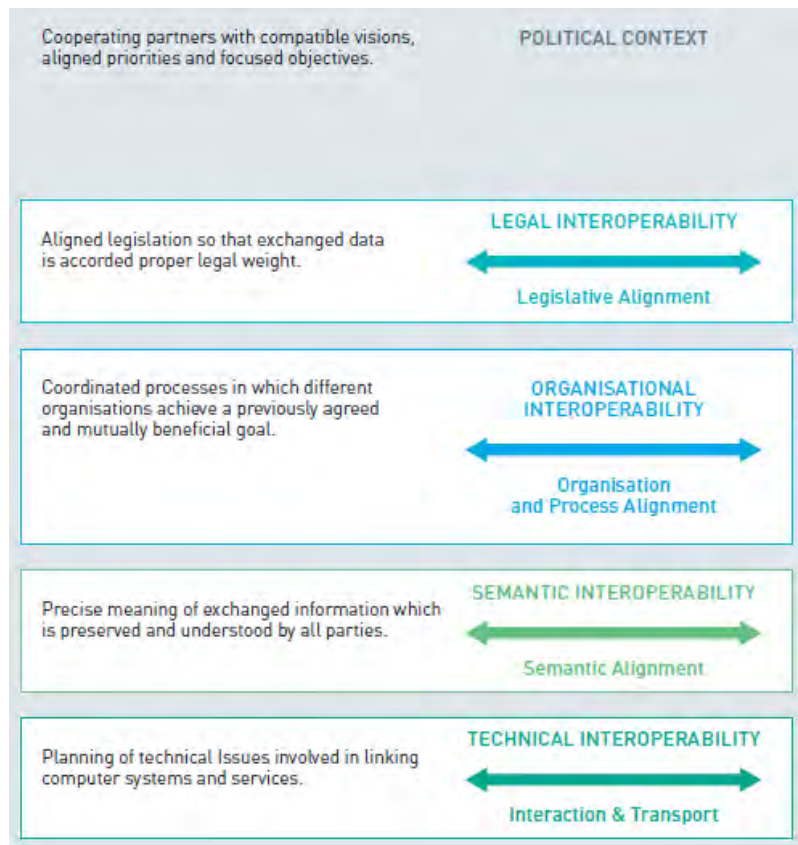
The underlying principles illustrate the context in which European public services are established and implemented by summarising the expectations of public administrations, business and citizens regarding their delivery.

A conceptual model for public services



The conceptual model brings together the common aspects and best practices observed to suggest ways to organise the creation and operation of public services.

4
levels of interoperability



The practical implementation of the conceptual model for cross-border/cross-sectoral services requires the political context and four levels of interoperability – legal, organisational, semantic and technical – to be taken into account when a new European public service is established.



Interoperability agreements

Cooperation amongst public administrations at different levels of interoperability should be formalised in interoperability agreements, containing sufficient detail to achieve their aim – to provide a European public service – whilst providing each organisation with autonomy.

Due to their positive effect on interoperability, the use of open specifications is encouraged for European public service delivery.



Interoperability Governance

- *Public administrations should ensure that interoperability is ensured over time when operating and delivering a European public service.*
- *Public administrations should establish a framework for the governance of their interoperability activities across administrative levels.*



The EIF contains 25 recommendations for public administrations in any of the key areas:

Example: EIF Recommendation on Principle "Multilingualism"

Recommendation 4. Public administrations should use information systems and technical architectures that cater for multilingualism when establishing a European public service.

Example: EIF Recommendations on Organizational Interoperability

Recommendation 15. Public administrations should document their business processes and agree on how these processes will interact to deliver a European public service.

Recommendation 16. Public administrations should clarify their organisational relationships as part of the establishment of a European public service.

Recommendation 17. Public administrations working together to provide European public services should agree on change management processes to ensure continuous service delivery.

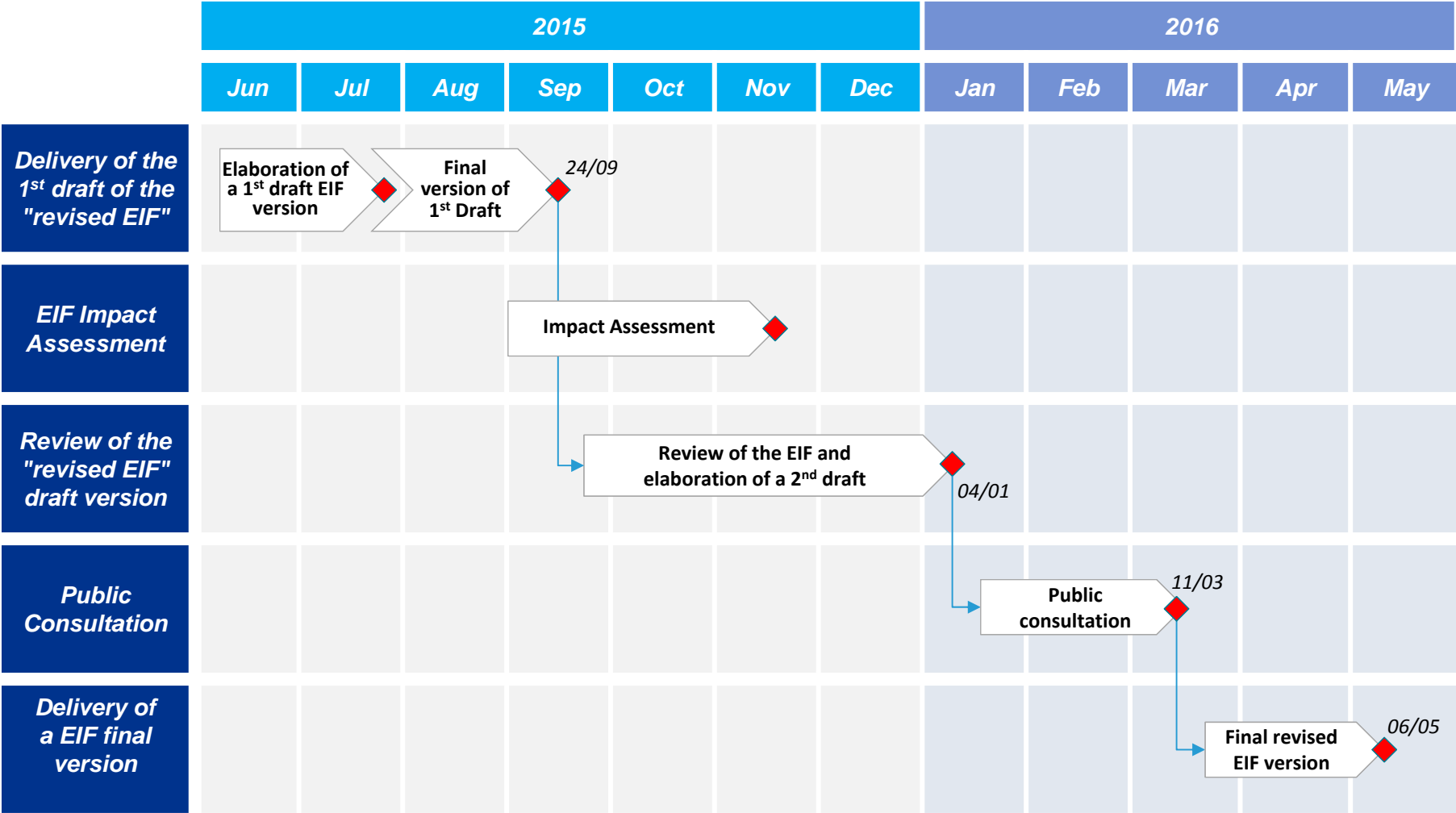


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Presentation of the EIF revision initiative

Timeline

Timeline of the EIF revision initiative



◆ Milestone / Deliverable



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Presentation of the EIF revision initiative

Conclusions and Question Time



- **Standardisation bodies will send input to the ISA unit by 11st of September:**
 - Filling the editable file provided into the Workshop material package
 - Sending input via email to ISA Unit mailbox: isa@ec.europa.eu

- **Standardisation bodies will participate to the Public Consultation on the revised EIF version**





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Next Steps

Expected inputs from the Standardisation bodies

Next Steps

Example of Editable File (1/2)



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Recommendation	R.1. Public administrations should align their interoperability frameworks with the European Interoperability Framework to take into account the European dimension of public service delivery.			 

Next Steps

Example of Editable File (2/2)



TO BE FILLED COLUMNS

Type of the revision



- add/extend
- modify/update
- keep as is
- other e.g. merge

Description of the proposed revision

Extensive description of the revision to the EIF element proposed by the stakeholder.

Supporting evidence

Main rationale for the revision of that specific EIF element.

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Please, provide in the box below your additional/new suggestions and ideas on the EIF revision:

Open input on ideas / suggestions on EIF Revision



01 02 03 **04**

Open discussion

Roundtable for comments and feedback





Thank you!