The Digital Single Market and the role of Interoperability

European Interoperability Framework revision
Call for action!

eGovernment

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European Commission

Benefits of Interoperability

Time Savings

Owner time savings

User time savings

Financial Benefits

Cost savings for users
Increased revenue for owners
Reduced operational costs for owners
Vendor lock-in avoidance for owners
Facilitate reuse, sharing and adoption
of future solutions

Improved Service Quality

Higher services satisfaction for users
Improved compliance for owners
Better data quality for owners
Better data availability for users
Improved security for owners

Spill-over effects

Foster innovation

Increase transparency

Impact on growth and competitiveness

Protection of fundamental rights for users and society

Reduced CO_2 emissions

Better decision making

Furthering public and private policy goals

Digital Single Market - DSM

Interoperability

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**

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**

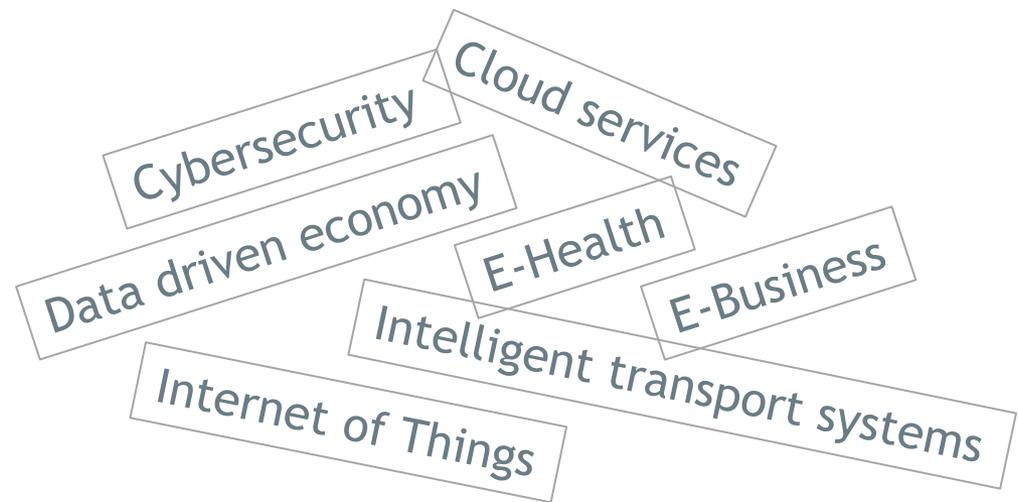**2** Shaping the right environment for digital networks and services to flourish

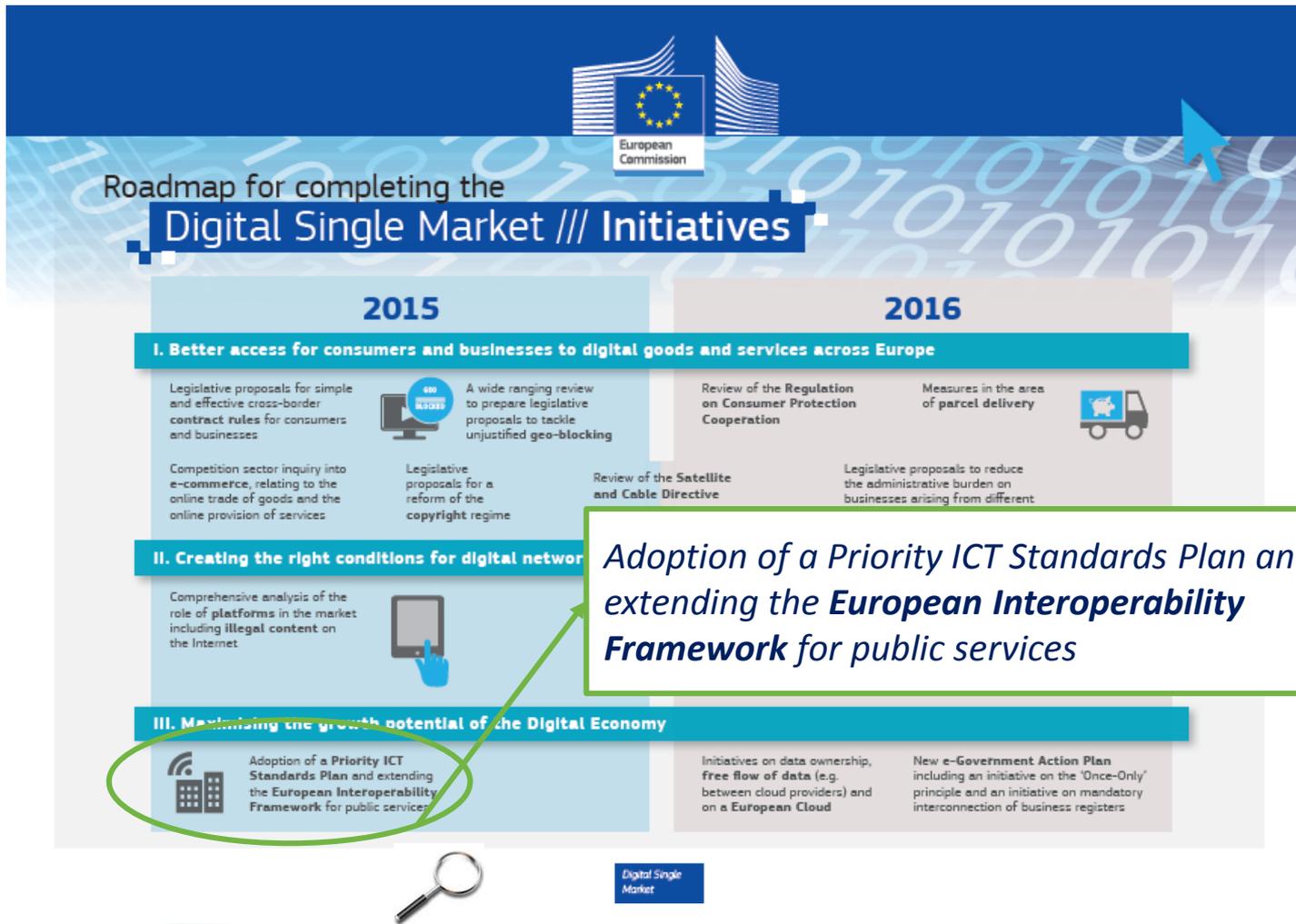**Strong European data protection rules to boost the digital economy**

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

Cybersecurity

Cloud services

Data driven economy

E-Health

E-Business

Intelligent transport systems

Internet of Things

Global challenges require multidisciplinary approaches

DSM Roadmap

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

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

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

5

Current State-of-Play

The European Interoperability Framework - EIF

72% Well accepted as a framework by the MS

AVERAGE NIF-EIF ALIGNMENTS

% NIF-EIF ALIGNMENTS

Country	%
CYPRUS	79%
CZECH REPUBLIC	51%
SWEDEN	76%
ICELAND	50%
LITHUANIA	68%
SLOVAKIA	74%
BELGIUM	29%
BULGARIA	74%
SLOVENIA	51%
POLAND	62%
FRANCE	66%
FINLAND	68%
MALTA	71%
GERMANY	81%
DENMARK	90%
ITALY	91%
NETHERLANDS	94%
SPAIN	94%
ESTONIA	100,0%

← New Entry →   ← Updated AM from 2012/2013 to 2013/2014 →
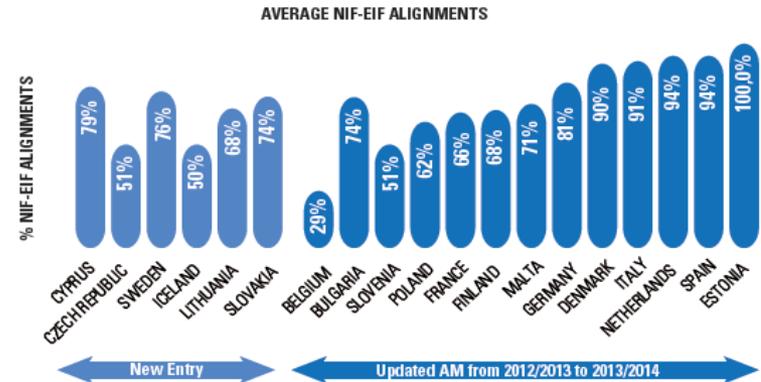
28% Still some way to go to have it implemented

AVERAGE NIF-EIF IMPLEMENTATION / MONITORING

SCORE (%)

AVERAGE: 28,4%

Country	Score
CYPRUS	0,0%
BULGARIA	0,0%
CZECH REPUBLIC	2,9%
POLAND	7,4%
SWEDEN	13,2%
SLOVENIA	14,7%
FINLAND	20,6%
GERMANY	20,6%
NETHERLANDS	20,6%
BELGIUM	23,5%
ICELAND	27,9%
MALTA	30,9%
LITHUANIA	38,2%
ESTONIA	61,8%
ITALY	64,7%
SPAIN	77,9%
DENMARK	80,9%
FRANCE	54,4%
SLOVAKIA	6,0%

European Interoperability Framework Revision

Guidance **Support** **Best practices**

Avoiding the creation of new electronic barriers or silos when modernising public administrations in Europe

Facilitating the interconnection of public services for citizens and businesses at national and EU level

Improving quality of public services and transparency

Coherence of open data from various sectors and countries

European Interoperability Framework Revision

Alignment with policy development

› **Policies having a strong linkage with IOP** have been either recently launched (e.g. DSM strategy) or revised (e.g. PSI Directive).

Extend and align with emerging trends

› Include **the European Reference Interoperability Architecture (EIRA) and Cartography (EIC)**

› **ICT** (e.g. Cloud)

› **Information management** (e.g. Big data, Open data)

› **Security**

› **Organisational** and **governance structures**

More focus on EIF implementation is needed

› NIFs aligned with EIF to a large extent (72%)

› **Application** (implementation and monitoring) **of NIFs still lags behind (28%)**

European Interoperability Framework Revision

Updated Interoperability PRINCIPLES

Updated Interoperability RECOMMENDATIONS

Updated Interoperability MODELS
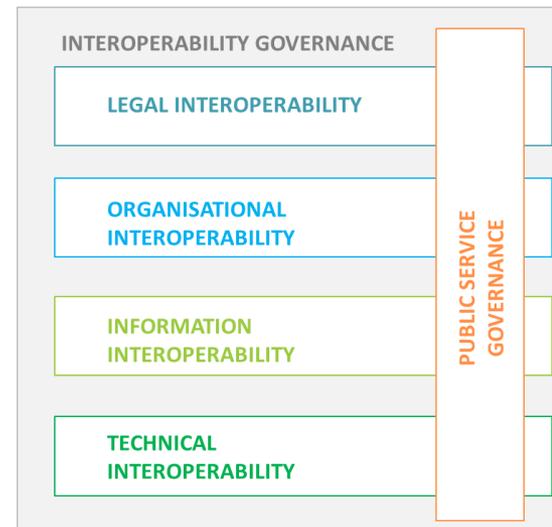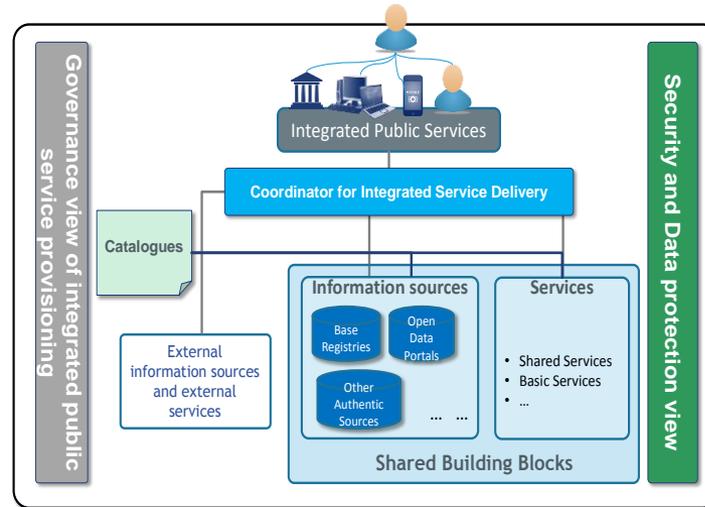
Strategy and Framework together

Strategy - EIS

Objectives

Vision

Principles

Needs

Roadmap

Financing

Framework EIF

to guide

to implement in

Recommendations
and
Conceptual models

The European Interoperability Strategy

Priorities

Move from alignement of national approaches with the EIF to real implementation

From political willingness on IOP to practical implementation

Deal with legal barriers on iop through "impact assessments" and "digital checks"

Confronted challenges

Put in place IOP Governance at EU level and nationally && ensure coordination among various actors

Deal with the low uptake of digital public services including through a "user-centred" approach

Provide tools and guidance to overcome resources constraints && deal with shortage of skills on IOP

EIS revision in practise

1 EIS should be more ''concrete'' with a clear shift towards "implementation".

2 Definitions, objectives and clusters of the EIS should be simplified and clarified.

Revision guidelines
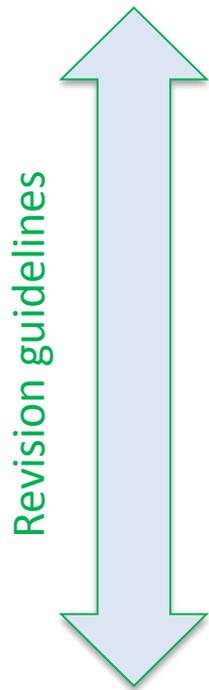
Set up an implementation **roadmap** with milestones and measurable goals

Plan and **prioritise** roadmap's activities

Monitor implementation (e.g. uptake and reuse) both, EIS and EIF

EIS Focus areas

Priorities for the period 2016 -2020 (work in progress)

FOCUS AREA N°1 Governance & Coordination	FOCUS AREA N°2 Organisational interoperability	FOCUS AREA N°3 Engagement/ Raising awareness	FOCUS AREA N°4 Key enablers	FOCUS AREA N°5 Supporting instruments
1. **Governance structure for IOP coordination** (EU, MS)	5. Mechanism for **measuring IOP benefits (**EU, MS)	7. **Communication campaign** promoting the importance and benefits of interoperability (EU)	12. Define common specifications on the terms and conditions to access **base registries** (EU, MS)	15. Identify legislation that hampers IOP (including **legal screening)** / Perform digital check (EU, MS)
2. Put at place a **monitoring of the EIS implementation (i.e. observatory)** (EU, MS)	6. Identify **organisational structures for digital public services** (EU, MS)	8. GO LOCAL in MSs. Liaise with EU country desks for dissemination (EU, MS)	13. Data specifications to support the EU **open data initiative** (EU)	16. Develop and maintain **EIRA and the cartography of solutions** (EU)
3. Identify and liaise with other relevant policies and their governance structures at EU and national level		9. **Platform (JOINUP)** for best Practice Centre of Excellence (EU)	14. Make available **catalogues of services** across the EU (EU, MS)	
		10. **Platform for user engagement / community building** (EU, MS)		

Include actions coming from the ISA² legal basis

All actions should be user centered and needs driven

Proposed actions at both national and EU levels

Financial Instruments

Financial instruments to consider for the EIS/EIF				
ISA²	**Horizon 2020**	**Connecting Europe Facility**	**ESIF and SRSP**	**INTERREG Europe**
› Facilitating efficient and effective electronic cross-border or cross-sector interactions › Developing a EU holistic approach to IOP; › Maintain and monitor implementation EIS/EIF/EIRA › Contributing to the development of e-administration › Developing IOP solutions	› Addressing innovative ways to use ICT in the public sector › Supporting piloting activities on a large scale and several sectors addressing different technological areas › Building on Member States' initiatives.	› Supporting the deployment and operation of key cross-border digital services for businesses and citizens › Electronic identification and procurement, interoperable health services….	› Supporting national, regional, local administrations in the implementation of their national operation and reform programmes	› Addressing ICT as a cross-cutting theme that links in with the other thematic objectives

Revision Process
How it is organised

Consensus-building process with

- ✓ The Member States
- ✓ The concerned Commission Services
- ✓ The other European Institutions

Working with experts from the academia for the EIF

Other stakeholders

- ✓ Standardisation bodies
- ✓ Industry representatives
- ✓ Academia

Public consultation
From January to March 2016

ISA^2 coming up !
(successor of the ISA programme)

Objective

Shall facilitate efficient & effective electronic cross-border or cross-sector interaction between European **public administrations** & between them, **citizens** & **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

Q & A

Join ISA initiatives at: http://ec.europa.eu/isa/index_en.htm
and @ http://joinup.ec.europa.eu

http://goo.gl/eK1EY   @SEMICeu   http://joinup.ec.europa.eu