The new European Interoperability Framework

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• Full adoption of the principles of the EU eGovernment Action Plan

• EUIs and Member States committed to the principle of interoperability by default;

• National interoperability frameworks based on the European Interoperability Framework (EIF), and adhere to EIF for cross-border digital public services.
Citizens & businesses on the move

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

... digital public services score high
2016 alignment

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

Support by

- ISA/ISA² programmes
- CEF programme

• e-Health interoperability framework
• eIDAS Regulation – interoperability framework for mutual recognition of IDs
• INSPIRE Directive, location interoperability
• Connecting Europe Facility building blocks
EU Institutions and Member States to implement

"European Interoperability Framework – Implementation Strategy"

Annex 1: **Interoperability Action Plan** (5 focus areas, 22 actions)
Annex 2: The **European Interoperability Framework**

(mainly) supported by ISA²
Alignment with policy development

- Digital Single Market (EIF revision in the Roadmap)
- INSPIRE Directive
- Revised Directive on Public Sector Information
- eIDAS Regulation

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
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.
Use specs such as DCAT-AP (or extensions i.e. GeoDCAT-AP), CPSV-AP, 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.
Financial data standardization
Location interoperability
Statistical data
Joinup
eTrustEx
Semantic interoperability
Case management
eProcurement
sTesta – Testa-ng
Other actions

Interoperability Action Plan

4. Expand and maintain the NIF Observatory to monitor implementation of the EIF and compliance of national interoperability strategies/frameworks with the EIF. Also, monitor and assess interoperability action plan’s implementation.

16. Analyse the data content of and existing metadata schemas for public administrations’ information (including documents) used in a cross-border or cross-sector context. Identify obstacles for mutual recognition, develop mappings and support harmonisation efforts.
What's next?

• ISA² to continue supporting + monitoring the EIF (evaluation by end-2019);

• **New monitoring** mechanism is being built; pilots within the EC and with MS to come to test it;

• Commission to reflect on how 'digital and interoperable public administrations' fit into the post 2020 MFF
Join ISA initiatives at: ec.europa.eu/isa2 and joinup.ec.europa.eu