European Commission

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Interoperability an enabler for Digital Transformation

interoperable europe

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Agenda

- Interoperability
- Interoperability Policy
- Monitoring & Reporting of Digital Public Administration & Interoperability
- Supporting Tools
- NIFO factsheets, joinup, EIF toolbox, Interoperable Europe (IOPEU)Academy
- Q&A

Interoperability is….

…essential for

The general capacity of organisations and systems to cooperate and interact

Solid foundation of digital government and seamless data exchanges

Bridging gaps between policy and IT, allowing administrations to make public services work across borders, sectors and organisations

Why does it matter?

Fundamental dimension for administrative simplification, enabling the interconnection & access to "authoritative data sources" towards the **once-only principle** (semantics).

A guiding instrument towards efficient, inclusive, accessible & timely **digitalisation** of public services, as proved by the pandemic.

A lever on **digital transformation and innovation**, through jointly experimentation & implementation of innovative solutions

EU interoperability policy: Regulation proposal on interoperability

Establish a governance between EU public administrations
(Member States, CIOs, experts)
to **work and support** cross-border & cross-sector interoperability, with focus on:

01

Co-ownership & co-creation of a catalogue of interoperability & reusable solutions

02

Supporting joint experimentation & innovation initiatives amongst public sector entities, including with the private sector (“GovTech”)

03

Supporting EU policymaking that aims to be digital-ready & interoperable-by-design

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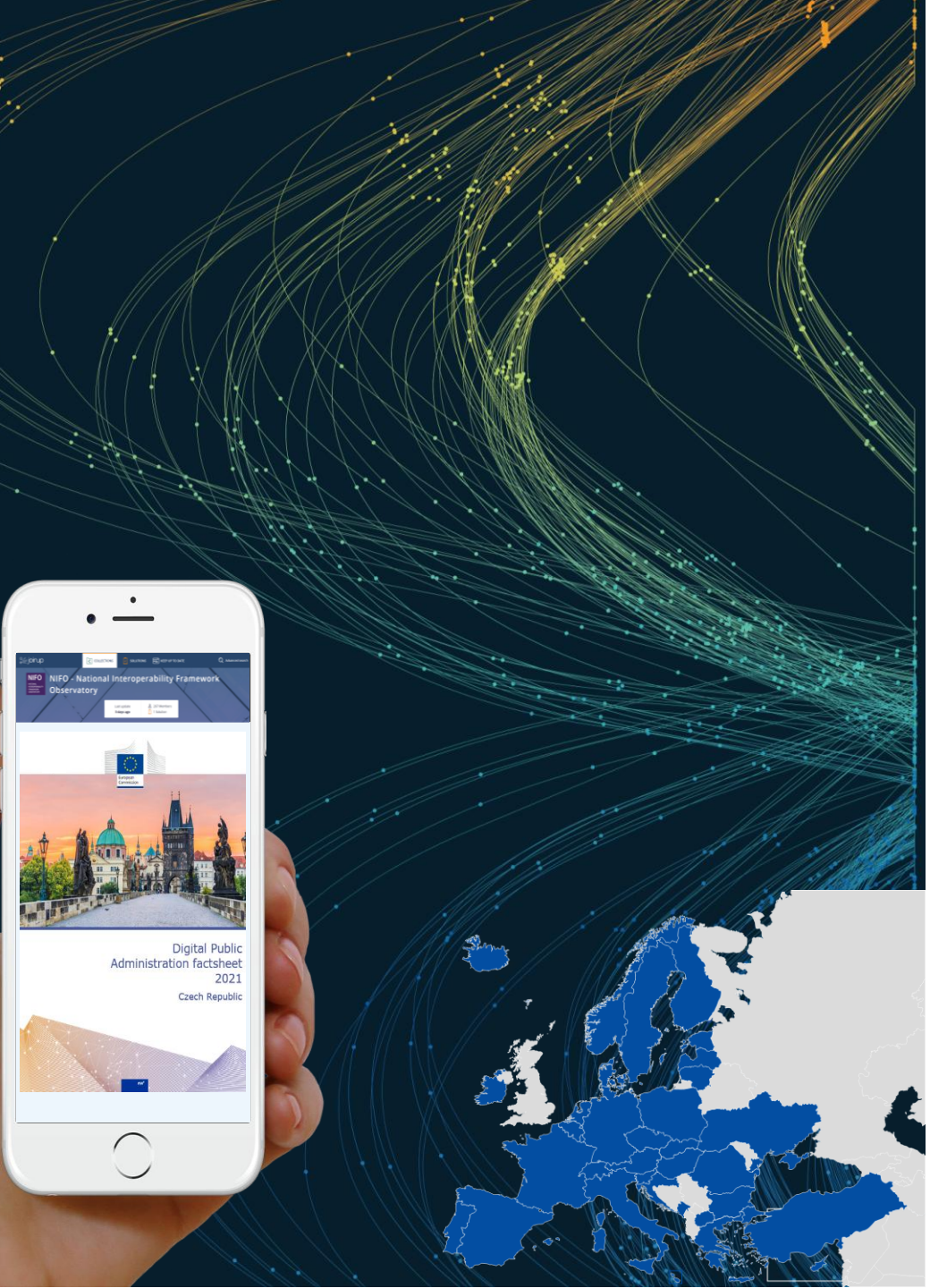
What is the current state of EU public sector interoperability policy?

The European Interoperability Framework (EIF) –
the reference model
for ensuring interoperability.

Provide guidance to public administrations on the **design and update** of national interoperability frameworks (NIFs), policies, strategies and guidelines

EU funded solutions are openly available for reuse at https://joinup.ec.europa.eu/



The Digital Public Administration factsheets

NIFO provides country intelligence reports with latest political communications, polices, legislation, governance, infrastructures & services on digital public administration & interoperability, as well as level of implementation of the EIF (monitoring)

By **joining DEP**, countries can:

- Get closer to the main trends & digitalisation policies in the EU & 35 States
- Compare digital government & interoperability performance
- Support EU country analysis for the purpose of the enlargement package & target reform actions

More:
https://joinup.ec.europa.eu/collection/nifo-national-interoperability-framework-observatory/digital-public-administration-factsheets

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Supporting tools: Joinup

01 **Collaborative platform**

- Digital Government professionals
- Public administrations
- Businesses & academia
- Citizens

02 **Observatory**

- Digital Gov News & events
- Studies, factsheets etc.
- IOP[1] & OSS[2] policies

A. Digital Government in practice Hub!
B. Digital Policy Hub!
C. Interoperability Solution Hub!

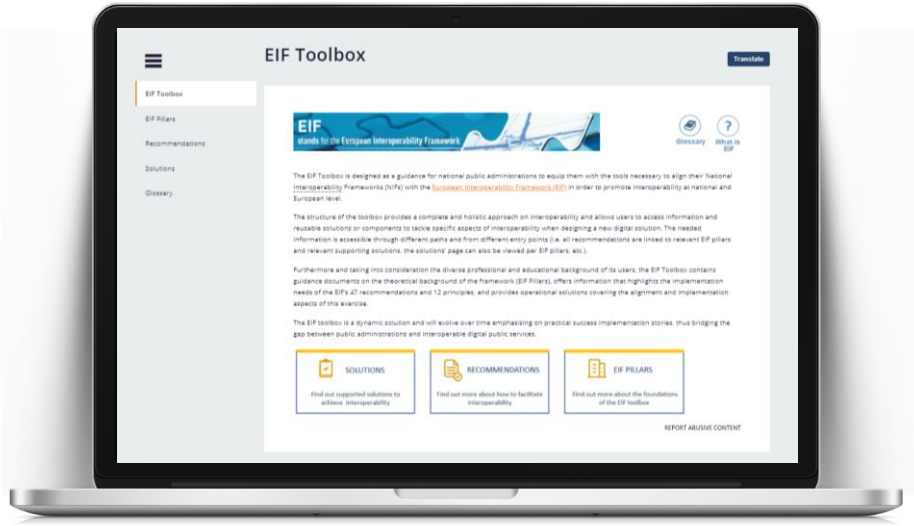
03 **ICT Solutions Repository**

- Open Source Software
- ICT specifications
- Frameworks & data models

Supporting tools: EIF toolbox (1/2)

EIF toolbox: Designed to provide guidance to national public administrations and equip them with the tools necessary to implement the EIF.

Comprehensive approach on interoperability and allow its users to access information and reusable interoperable solutions when tackling specific aspects of interoperability or when designing a new digital service.



Types of solutions

Assessment tools | Common frameworks | Common services | Generic tools | Legal interoperability tools | Semantic assets

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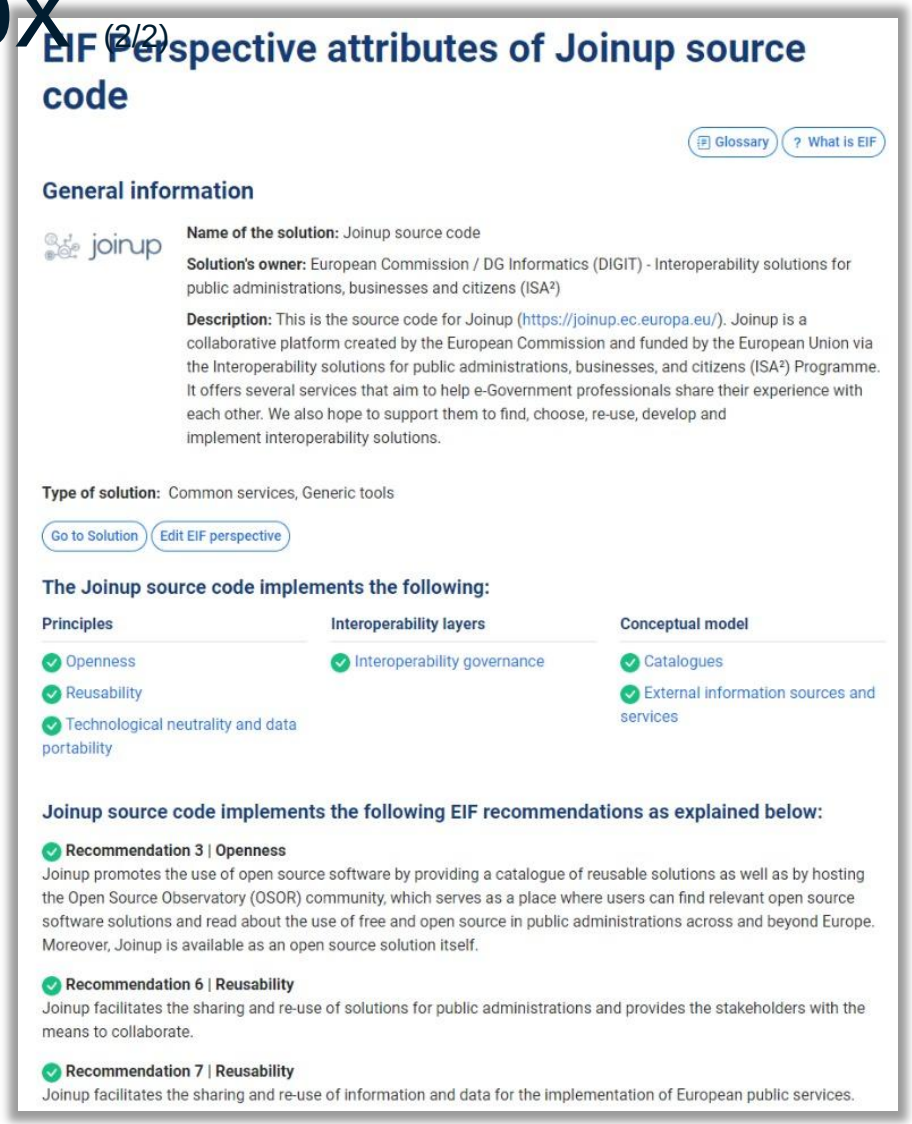
Supporting tools: EIF toolbox (2/2)

The EIF Toolbox is a guiding tool for national public administrations to align their National Interoperability Frameworks (NIFs) with the European Interoperability Framework (EIF).



EIF Perspective attributes of Joinup source code

Glossary | What is EIF

General information

joinup

Name of the solution: Joinup source code

Solution's owner: European Commission / DG Informatics (DIGIT) - Interoperability solutions for public administrations, businesses and citizens (ISA²)

Description: This is the source code for Joinup (https://joinup.ec.europa.eu/). Joinup is a collaborative platform created by the European Commission and funded by the European Union via the Interoperability solutions for public administrations, businesses, and citizens (ISA²) Programme. It offers several services that aim to help e-Government professionals share their experience with each other. We also hope to support them to find, choose, re-use, develop and implement interoperability solutions.

Type of solution: Common services, Generic tools

Go to Solution | Edit EIF perspective

The Joinup source code implements the following:

Principles	Interoperability layers	Conceptual model
Openness	Interoperability governance	Catalogues
Reusability		External information sources and services
Technological neutrality and data portability		

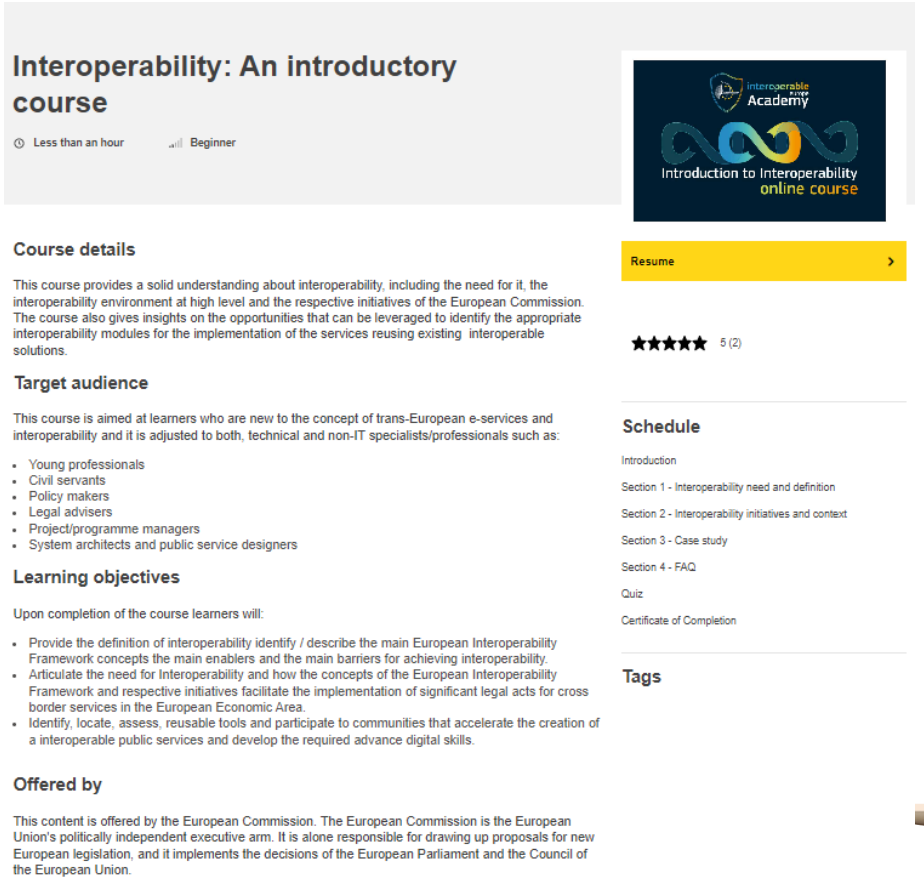
Joinup source code implements the following EIF recommendations as explained below:

Recommendation 3 | Openness
Joinup promotes the use of open source software by providing a catalogue of reusable solutions as well as by hosting the Open Source Observatory (OSOR) community, which serves as a place where users can find relevant open source software solutions and read about the use of free and open source in public administrations across and beyond Europe. Moreover, Joinup is available as an open source solution itself.

Recommendation 6 | Reusability
Joinup facilitates the sharing and re-use of solutions for public administrations and provides the stakeholders with the means to collaborate.

Recommendation 7 | Reusability
Joinup facilitates the sharing and re-use of information and data for the implementation of European public services.

Supporting tools: Interoperable Europe (IOPEU) Academy



Interoperability: An introductory course

Less than an hour Beginner

Introduction to Interoperability online course

Resume

★★★★★ 5 (2)

Course details

This course provides a solid understanding about interoperability, including the need for it, the interoperability environment at high level and the respective initiatives of the European Commission. The course also gives insights on the opportunities that can be leveraged to identify the appropriate interoperability modules for the implementation of the services reusing existing interoperable solutions.

Target audience

This course is aimed at learners who are new to the concept of trans-European e-services and interoperability and it is adjusted to both, technical and non-IT specialists/professionals such as:

- Young professionals
- Civil servants
- Policy makers
- Legal advisers
- Project/programme managers
- System architects and public service designers

Learning objectives

Upon completion of the course learners will:

- Provide the definition of interoperability identify / describe the main European Interoperability Framework concepts the main enablers and the main barriers for achieving interoperability.
- Articulate the need for Interoperability and how the concepts of the European Interoperability Framework and respective initiatives facilitate the implementation of significant legal acts for cross border services in the European Economic Area.
- Identify, locate, assess, reusable tools and participate to communities that accelerate the creation of a interoperable public services and develop the required advance digital skills.

Offered by

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Schedule

Introduction
Section 1 - Interoperability need and definition
Section 2 - Interoperability initiatives and context
Section 3 - Case study
Section 4 - FAQ
Quiz
Certificate of Completion

Tags

More: https://academy.europa.eu and https://joinup.ec.europa.eu/collection/digital-skills-public-sector/solution/interoperable-Europe-academy

interoperable europe

innovation ∞ govtech ∞ community

Thank you!

Any questions?

Stay in touch

@InteroperableEU) & Joinup_eu

Interoperable Europe - YouTube

Interoperable Europe | LinkedIn

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https://joinup.ec.europa.eu/collection/interoperable-europe/interoperable-europe

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