European Commission

15 December 2022

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A one-stop shop for interoperability solutions

Speakers:

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European Commission – DIGIT D2 Project Manager of Joinup

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Trasys International – Deputy project manager of Joinup

Digital Europe Programme

interoperable europe

Agenda

01 The Joinup platform

02 Interoperable Europe initiative on Joinup

03 Joinup-based tools

04 Questions & Answers

The Joinup platform

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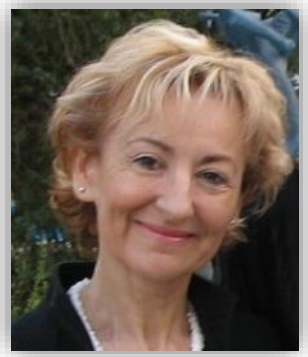
Joinup user testimonials

What others are saying about us



"We think Joinup allows us to give additional exposure to the solutions developed in Slovenia and to raise interest among other Member States."

— **Danica Saponja**, Editor-in-Chief of the NIO portal in Slovenia

"Federation with Joinup was the best way to increase visibility of our solutions."

— **Elena Muñoz**, Deputy Director General Secretariat of Digital Administration Ministry of Economic Affairs and Digital Transformation Technology- CTT Transfer Centre of the Spanish Government

"Joinup, the ideal dissemination platform for our open source solutions."

— **Francesca Bria**, former Chief Technology and Digital Innovation Officer of Barcelona City Council

"We believe [Joinup] to be a valuable knowledge-sharing platform among Member States. [...] I try to get my teams to consult Joinup regularly to keep themselves updated."

— **Sara Carrasqueiro**, Member of the Portuguese Administrative Modernization Agency's (AMA) Board of Directors

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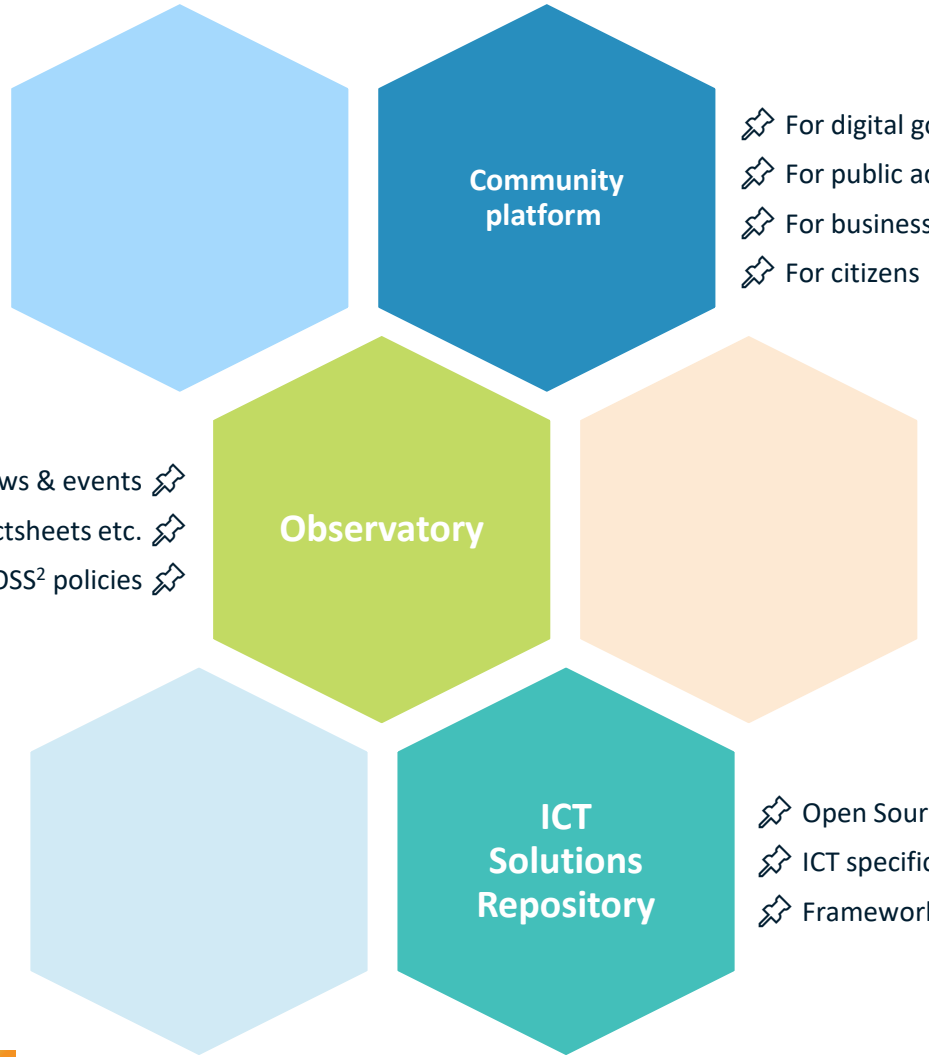
What is Joinup

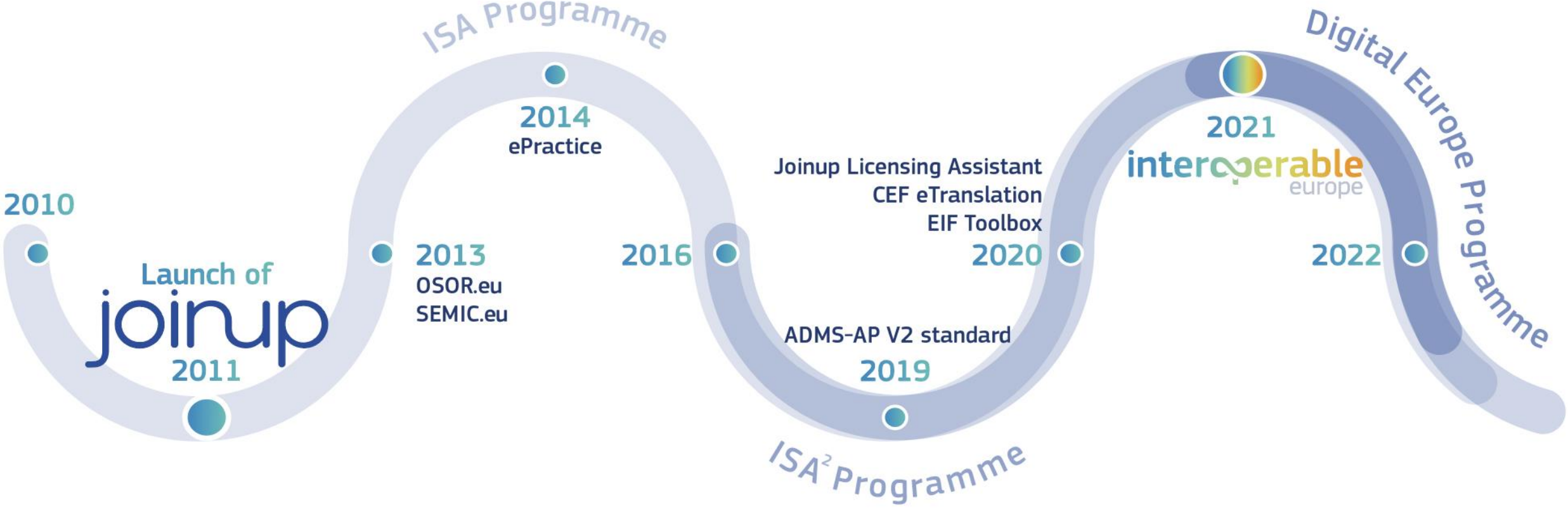
A one-stop shop for interoperability solutions & a community space for e-Gov enthusiasts



[1] IOP = Interoperability
[2] OSS = Open Source Software

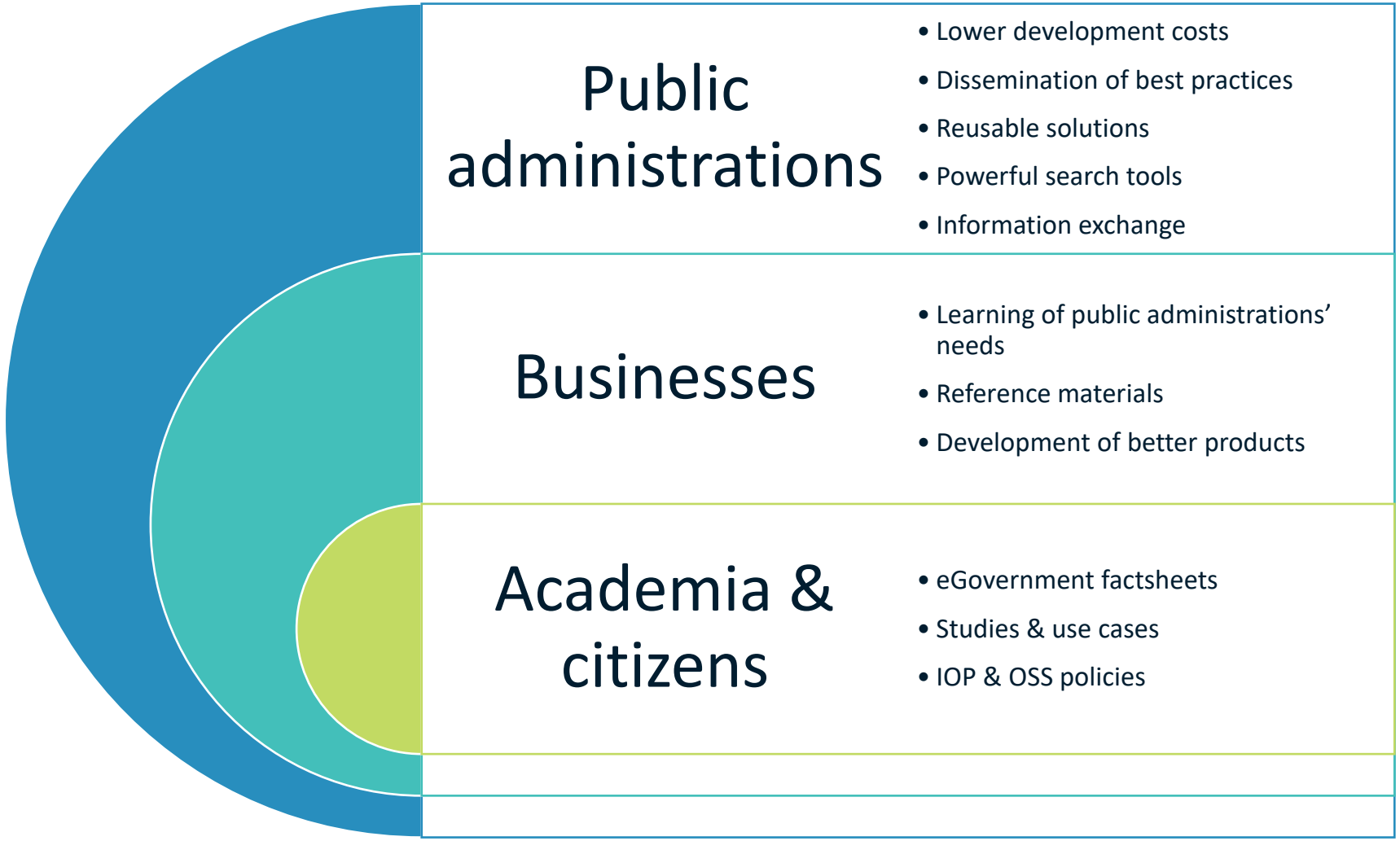
Joinup timeline

A decade of helping Europe become more interoperable



How can Joinup benefit you (1/2)

Advantages of Joinup



How can Joinup benefit you (2/2)

Top reasons to use Joinup

Vision (1/2)

Tackling digital transformation

Our vision

Making European digital public services a reality

Our values

Collaboration

Open source

Interoperability

Sharing & reuse

Vision (2/2)

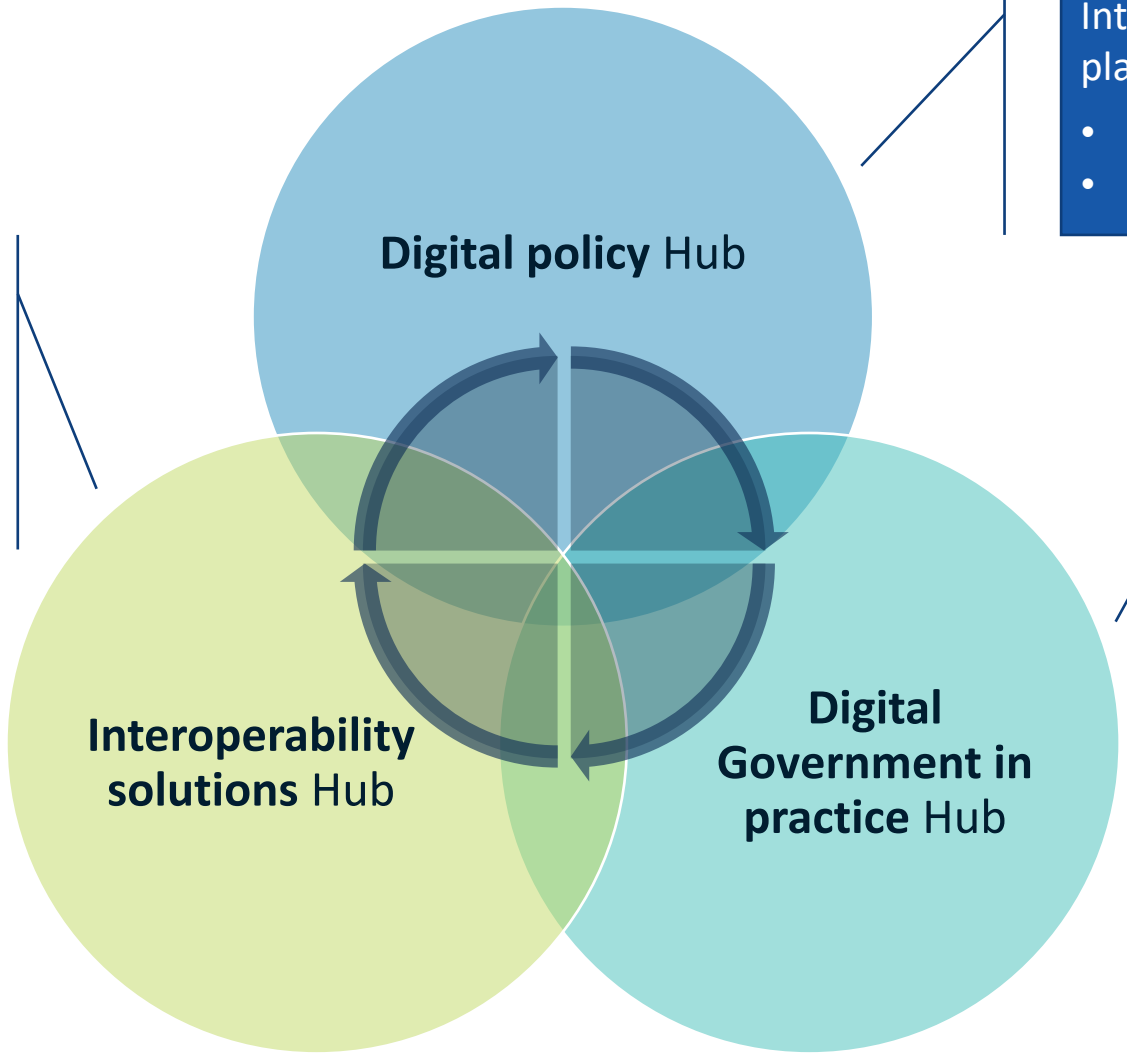
Supporting the full lifecycle of digital transformation

Interact, stay informed, research and plan digital initiatives, i.e.:

- EU policy
- Monitoring & Reporting

Choose the right solutions to make digital initiatives a reality, i.e.:

- Software
- Tools



Showcases digital initiatives and pilots that have been put into practice, i.e.:

- Interoperable Europe Academy
- Communities
- Successful Member States' stories

The Interoperable Europe initiative on Joinup

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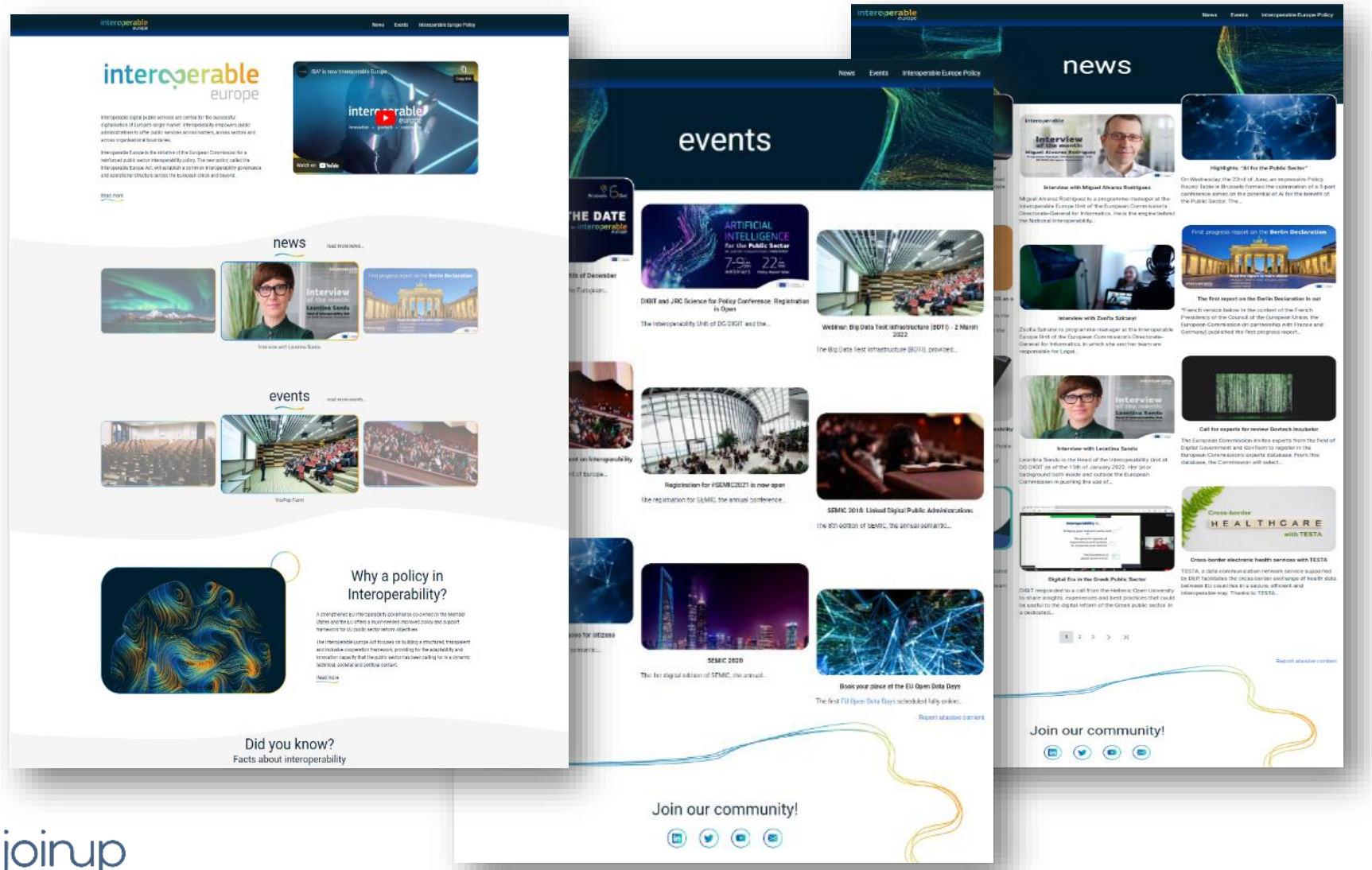
Interoperable Europe on Joinup

Covering the policy angle of interoperability



A custom user experience & design for the Interoperable Europe space on Joinup

What's Interoperable Europe?

- ✓ A European Commission initiative for a **reinforced interoperability policy**
- ✓ An interoperability policy to transform public administrations and help them in their **digital transformation**

What can you find here?

- ✓ News and events about **government-related interoperability**
- ✓ Initiatives and best practices that support the **digitalisation of EU public administrations**

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08 December 2022

Interoperable Europe Act

Linking national public services

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Challenges with cross-border interoperability

Data compliance issues

Car driver wants to get a digital parking ticket in a city outside the country his car is registered in.

But: The parking app only allows to enter national license plates.

Legal and technical issues

[illegible] to share the capacities of free intensive care beds with the nearest hospital that is on the other side of the border.

But: The current legal and technical framework [illegible] nationally.

Find and reuse issues

A city wants to implement traffic management solutions. They are looking for a good example.

While such good examples exist across Europe, they are difficult to find and reuse.

What can help us today?

European Interoperability Framework. (updated in 2017)
+ monitoring of the national implementation.

Joinup: a platform for interoperability **solutions** and **community** since 2011.

Cooperation with Member States through the informal **Chief Information Officers** network (since 2015), and the **Expert Group** on interoperability of European public services (since 2020).

Interoperable Europe Act - Ambition and objectives

Help EU and Member States administrations to deliver connected digital services

- From policy-making to policy implementation
- Establish a **governance** to work together and agree on shared interoperability solutions
- Setup an environment where public administrations and stakeholders **can innovate, contribute and re-use** interoperability solutions (**community**)

Supports the achievement of the Digital Decade 2030 targets

Main deliverables of the Regulation

- **Mandatory interoperability assessment:** Impacts on cross-border interoperability of the legal, organisational, semantic and technical requirements for the IT system in scope (Art 3)
- Keeping '**European Interoperability Framework'** (EIF) up-to-date and strenghtening alignment (Art 6)
- Common '**Interoperable Europe solutions'** for openly accessible & reusable solutions (Art 7), published in the **Interoperable Europe Portal** (Art 8)
- **Mandatory share and reuse** of publicly developed solutions (Art 4)
- **Innovation measures**, such as GovTech (Art 10) and regulatory sandboxes (Art 11-12)
- **Policy implementation support** projects (Art 9.), incl. trainings (Art 13) and peer reviews (Art 14)
- **Interoperable Europe Agenda** - annual strategic planning (Art 19)
- **Monitoring** - implementation of EIF, take-up of IOP solutions and development of OS solutions (Art 20)

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interoperable europe

innovation ∞ govtech ∞ community

Stay in touch

(@InteroperableEU) / Twitter

Interoperable Europe - YouTube

Interoperable Europe | LinkedIn

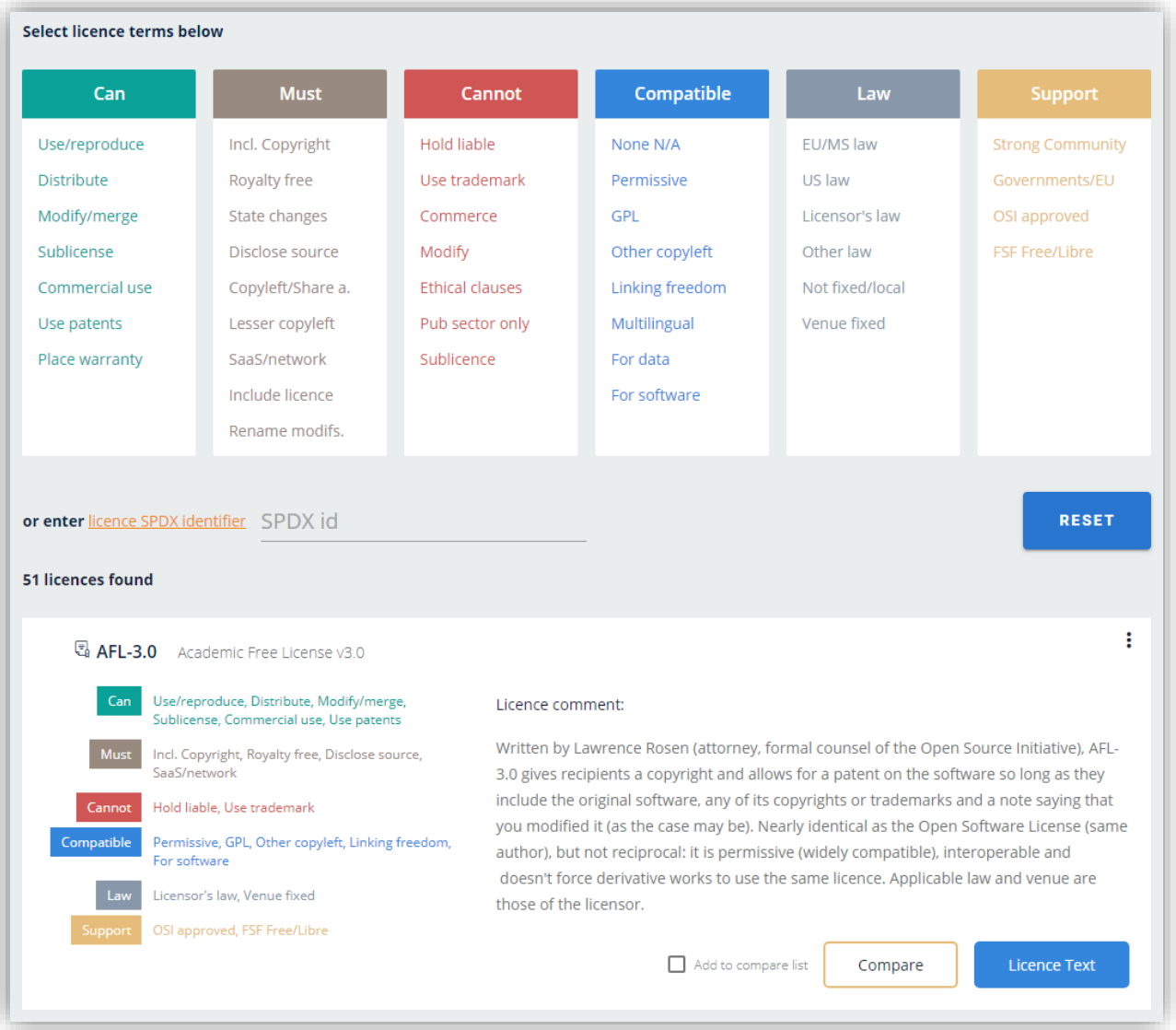
DIGIT-INTEROPERABILITY@ec.europa.eu

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

Joinup-based tools

Joinup Licensing Assistant (JLA) (1/5)

A multipurpose tool for your licensing requirements



A tool to help identify & compare suitable FOSS licences for distribution of software or data

- ✓ Supports finding & comparing licences
- ✓ Checks compatibility between licences
- ✓ Improved & interactive licence categorisation compared to other tools
- ✓ Direct link to each licence's SPDX content
- ✓ Up-to-date licence information
- ✓ JLA code is open source

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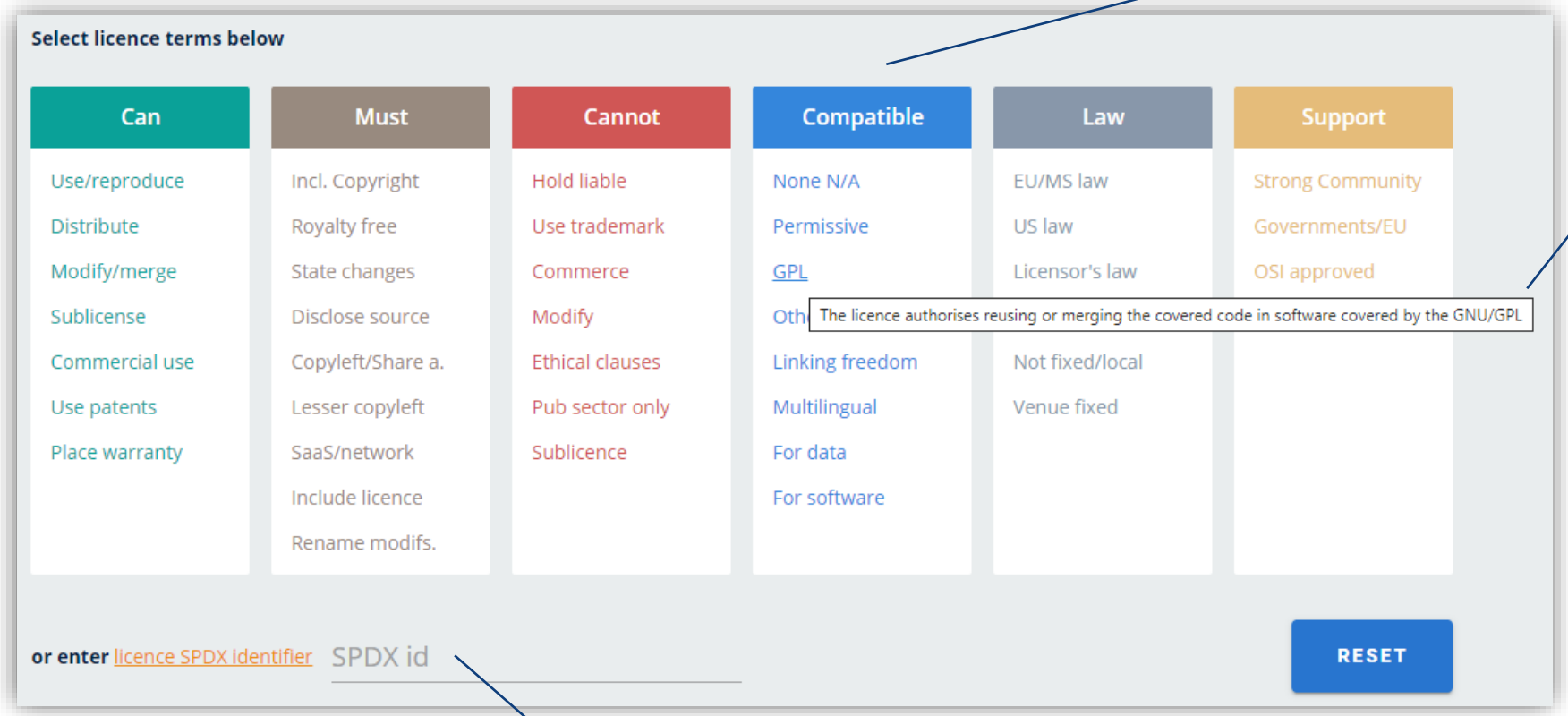
Joinup Licensing Assistant (JLA) (2/5)

Initiating a licence search with terms/SPDX ids



Multi-selectable licence terms for filtering

Tooltips per licence term

SPDX short-form identifiers communicate licence information in a simple, efficient, portable and machine-readable manner

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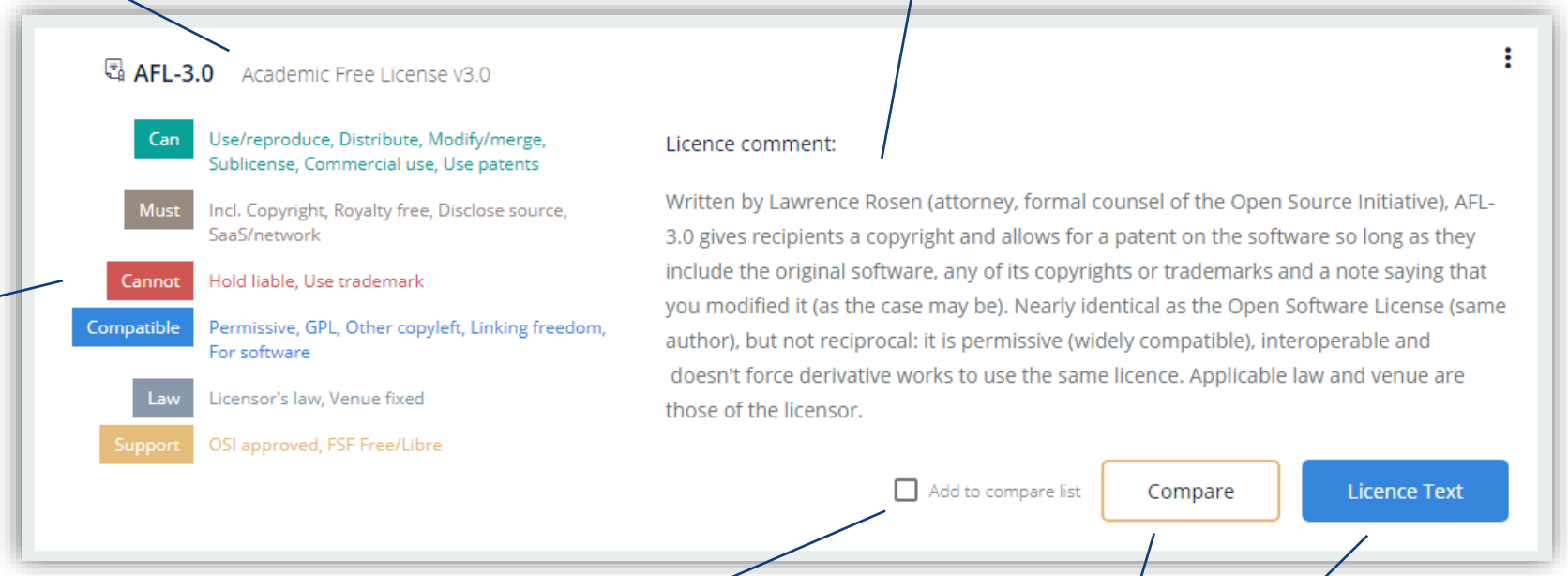
Joinup Licensing Assistant (JLA) (3/5)

Results with intuitive information per licence

Licence SPDX id & name

Short licence description



Terms applicable to the licence

Include in “compare list” (up to 5 licences)

Initiate compare process & display comparison matrix

Full SPDX licence description

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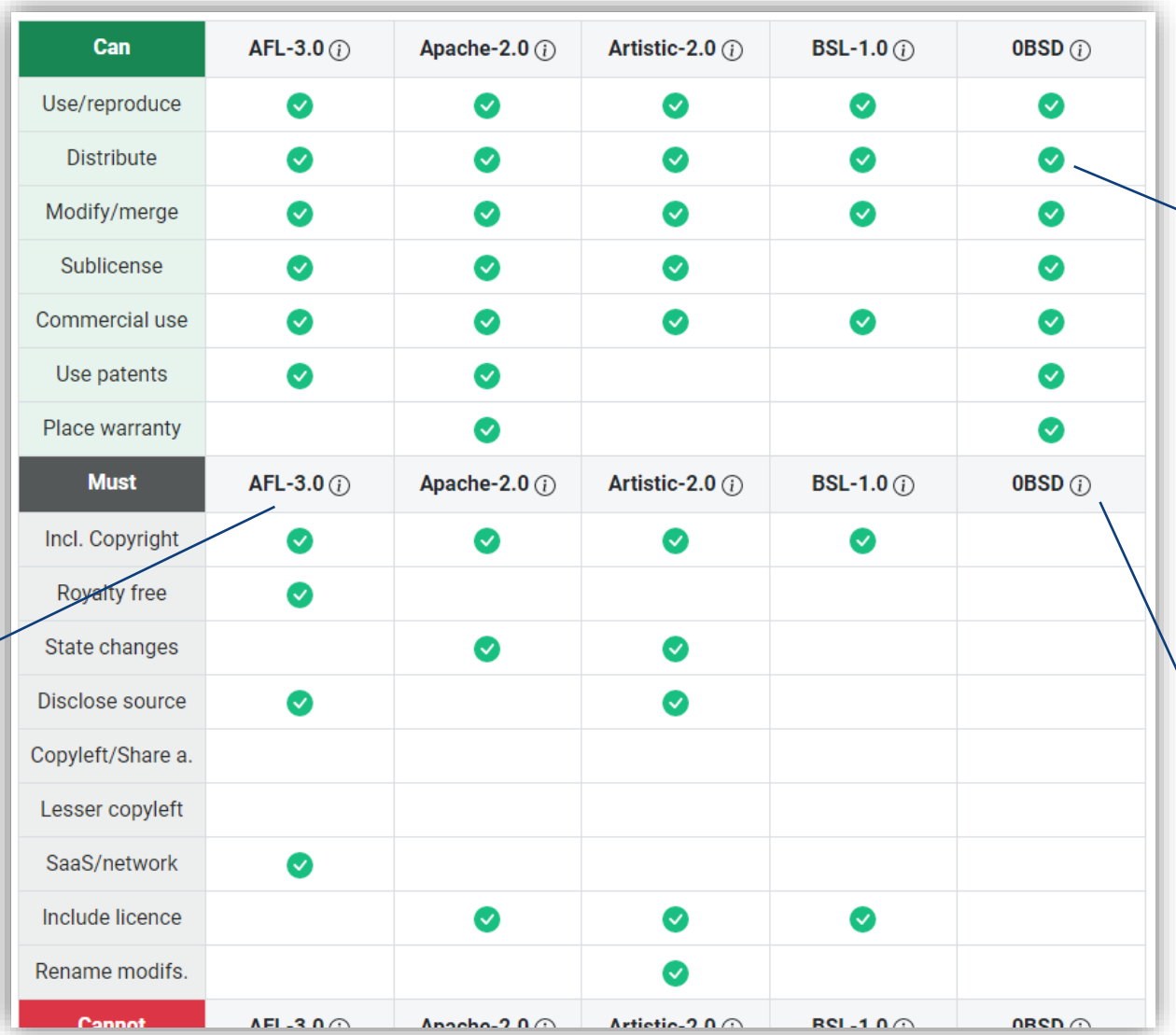
Joinup Licensing Assistant (JLA) (4/5)

Compare licences side-by-side

Terms applicable to the licences

Up to 5 licences can be compared



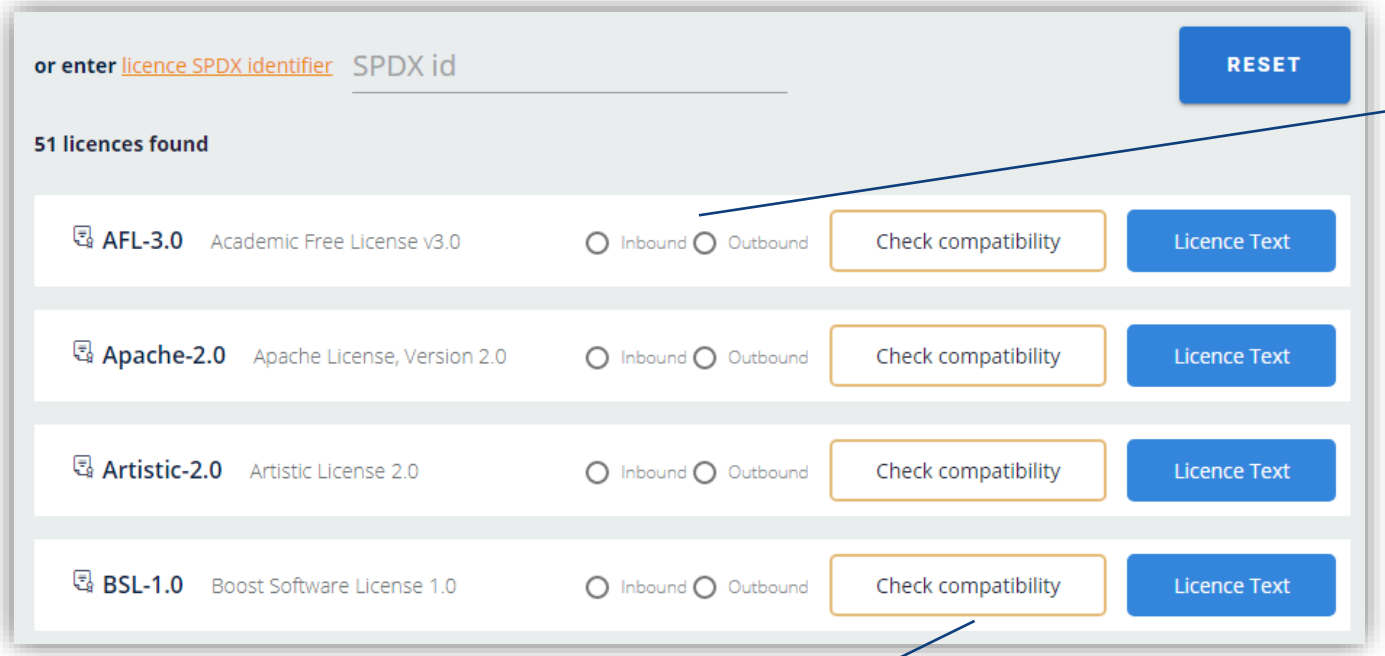
Can	AFL-3.0	Apache-2.0	Artistic-2.0	BSL-1.0	0BSD
Use/reproduce	✓	✓	✓	✓	✓
Distribute	✓	✓	✓	✓	✓
Modify/merge	✓	✓	✓	✓	✓
Sublicense	✓	✓	✓		✓
Commercial use	✓	✓	✓	✓	✓
Use patents	✓	✓			✓
Place warranty		✓			✓
Must	AFL-3.0	Apache-2.0	Artistic-2.0	BSL-1.0	0BSD
Incl. Copyright	✓	✓	✓	✓	
Royalty free	✓				
State changes		✓	✓		
Disclose source	✓		✓		
Copyleft/Share a.					
Lesser copyleft					
SaaS/network	✓				
Include licence		✓	✓	✓	
Rename modifs.			✓		
Cannot	AFL-3.0	Apache-2.0	Artistic-2.0	BSL-1.0	0BSD

Check marks denote applicable or not licence terms

Info icons display the licence's short description

Joinup Licensing Assistant (JLA) (5/5)

Check licences' use/distribution compatibility



INBOUND for what you "use"
OUTBOUND for what you "distribute"

The JLA Compatibility Checker can:

- ✓ **Verify** they are compatible licences
- ✓ **Identify** suitable licence combinations
- ✓ **Tackle** the requirements imposed by each licence

Check compatibility & provide the outcome

Example outcome

The inbound licence is a permissive licence: provide you respect and include all existing copyrights or trademarks and, in case the source was modified, a note documenting your modifications, permissive licences do not force derivative works to use the same licence. Therefore you may reuse, link or even merge the covered code with your own work and re-distribute it to third parties under the outbound licence. This is authorised for the new combined work, but should not be considered as an authorisation to re-licence (change the licence) of the original component covered by inbound licence in case it is distributed alone or separately or "as is" in the same distribution.

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EIF Toolbox (1/5)

Helping you to align your NIF to the EIF

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

SOLUTIONS

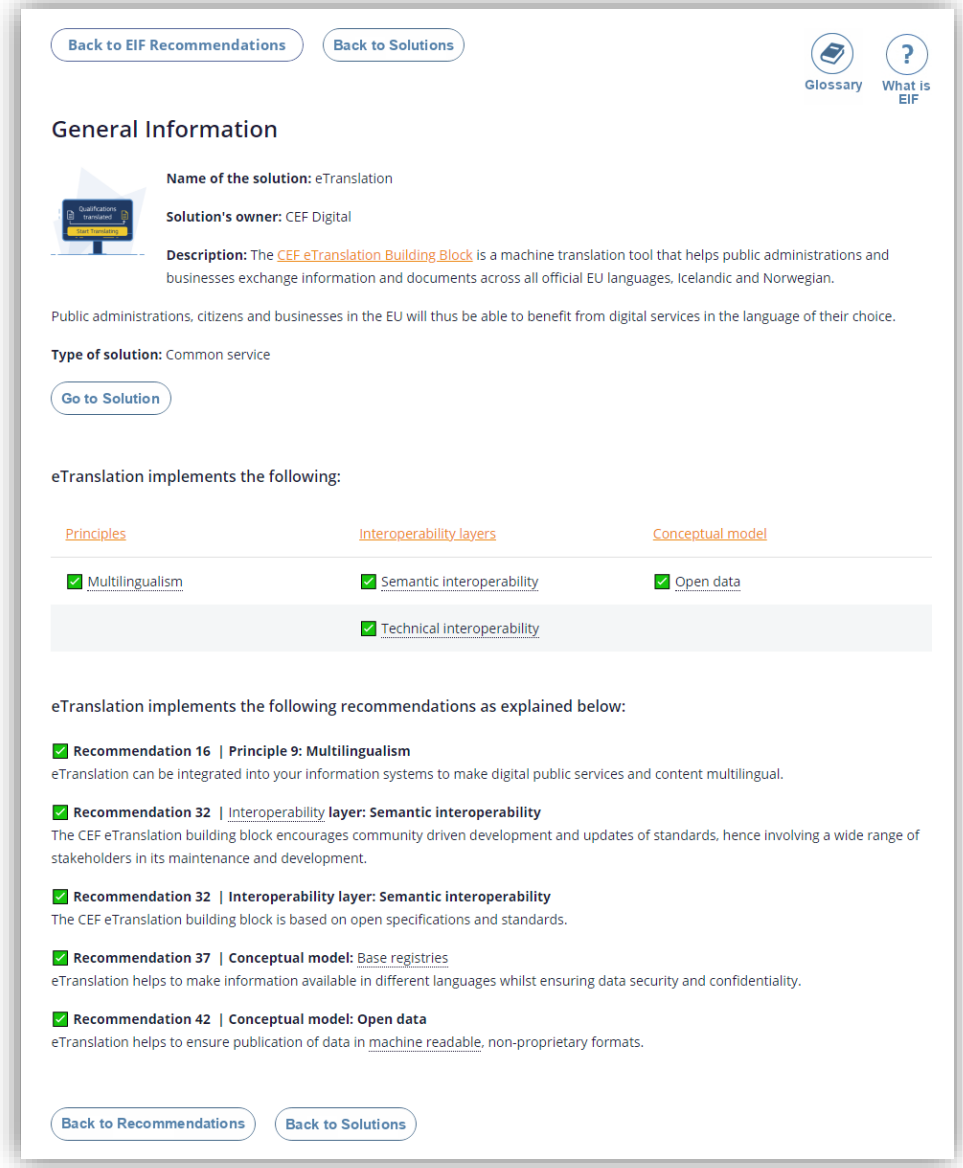
Find out supported solutions to achieve interoperability

EIF RECOMMENDATIONS

Find out more about how to facilitate interoperability

EIF PILLARS

Find out about reusable tools, standards and examples around the EIF Pillars



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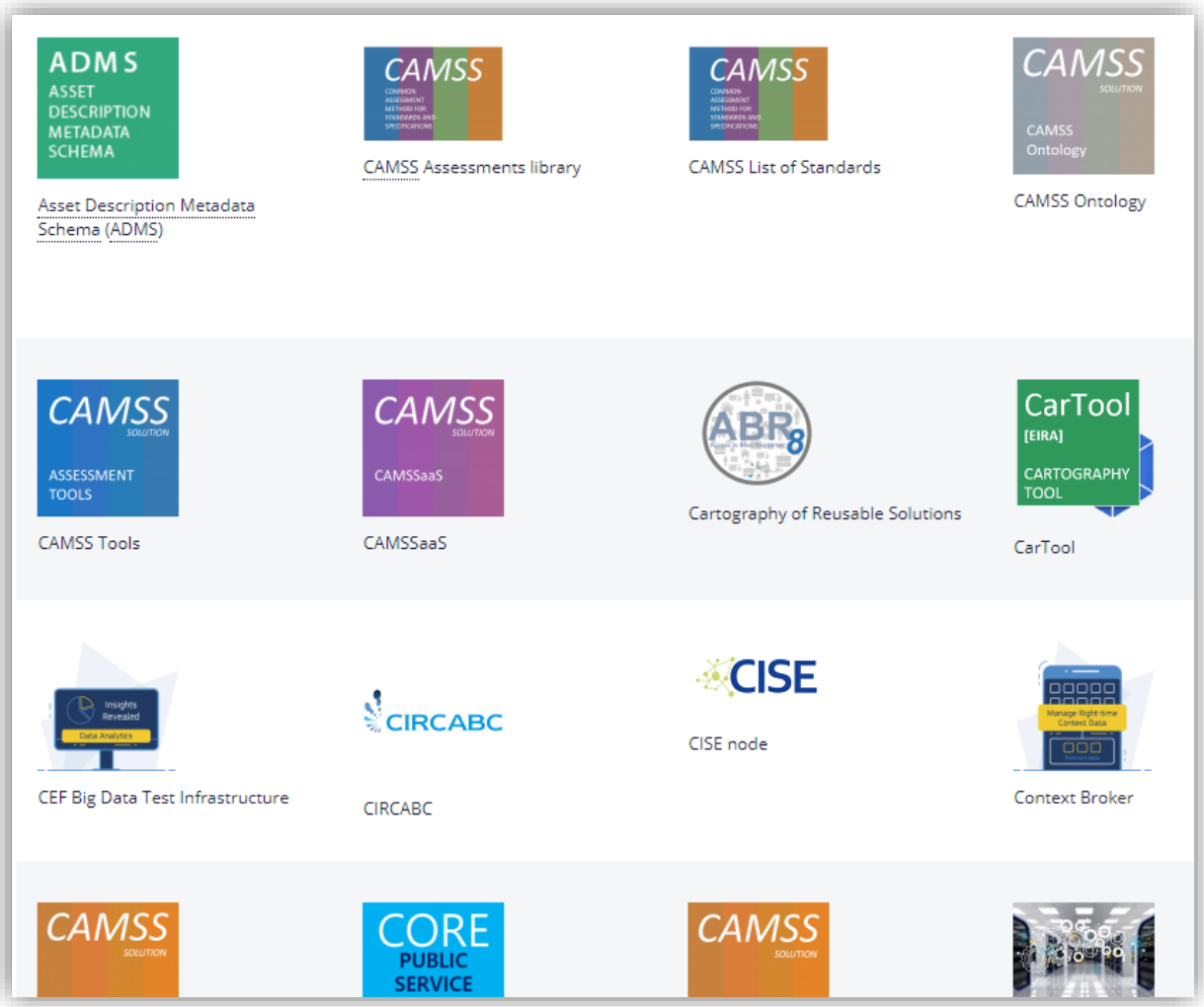
EIF Toolbox (2/5)

Solutions to support your EIF alignment



The toolbox contains supporting solutions to help you achieve interoperability

They are categorised as:

- ✓ Assessment tools
- ✓ Common frameworks
- ✓ Common services
- ✓ Generic tools
- ✓ Legal interoperability tools
- ✓ Semantic assets
- ✓ Catalogue of open standards and specifications

EIF Toolbox (3/5)

Facilitate interoperability via EIF recommendations

Access the recommendation topics & the individual 47 recommendations, which are actionable items that public administrations can implement across the different EIF pillars

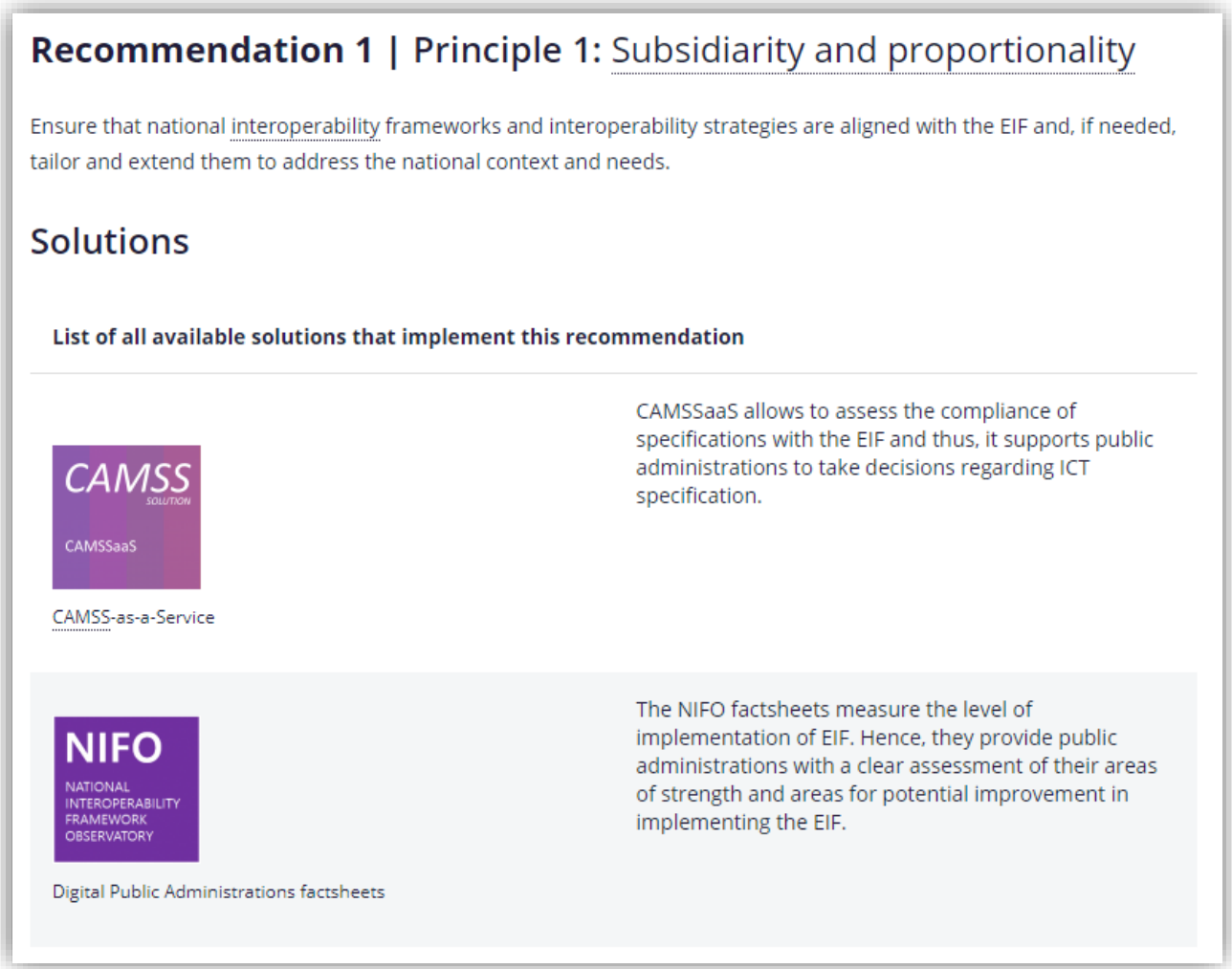
Recommendation topics	EIF Pillars	EIF Recommendations
Subsidiarity and proportionality	Underlying Principle 1	Recommendation 1
Openness	Underlying Principle 2	Recommendation 2 Recommendation 3 Recommendation 4
Transparency	Underlying Principle 3	Recommendation 5
Reusability	Underlying Principle 4	Recommendation 6 Recommendation 7
Technological neutrality		

The subsidiarity principle requires EU decisions to be taken as closely as possible to the citizen. In other words, the EU does not take action unless this is more effective than the same action taken at national level.

EIF Toolbox (4/5)

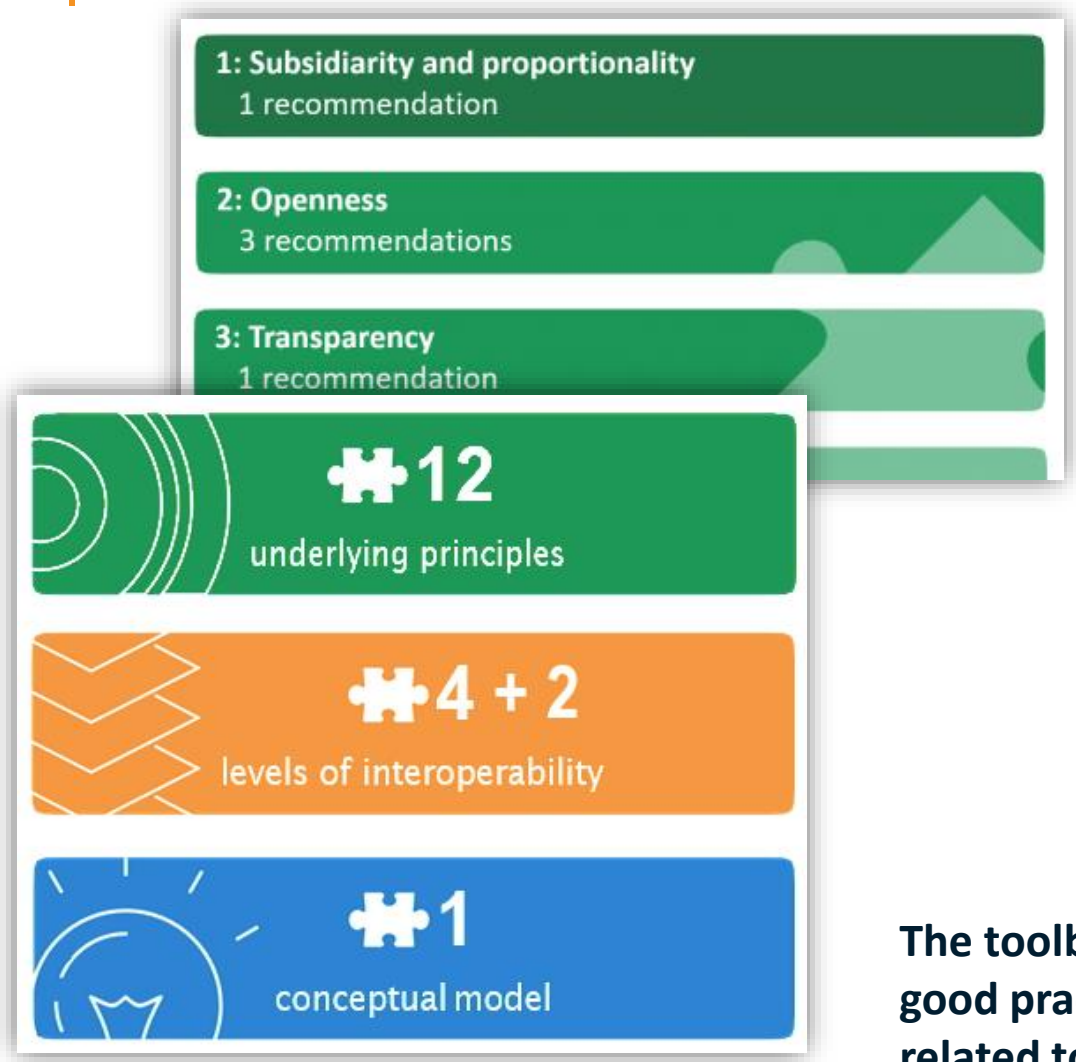
Facilitate interoperability via EIF recommendations

In each recommendation, view the available solutions that can implement the recommendation



EIF Toolbox (5/5)

Reusable tools, standards & examples around the EIF Pillars



The toolbox's EIF Pillars section integrates EU legal/policy initiatives, good practices & examples, as well as open standards and specifications related to the implementation of the EIF

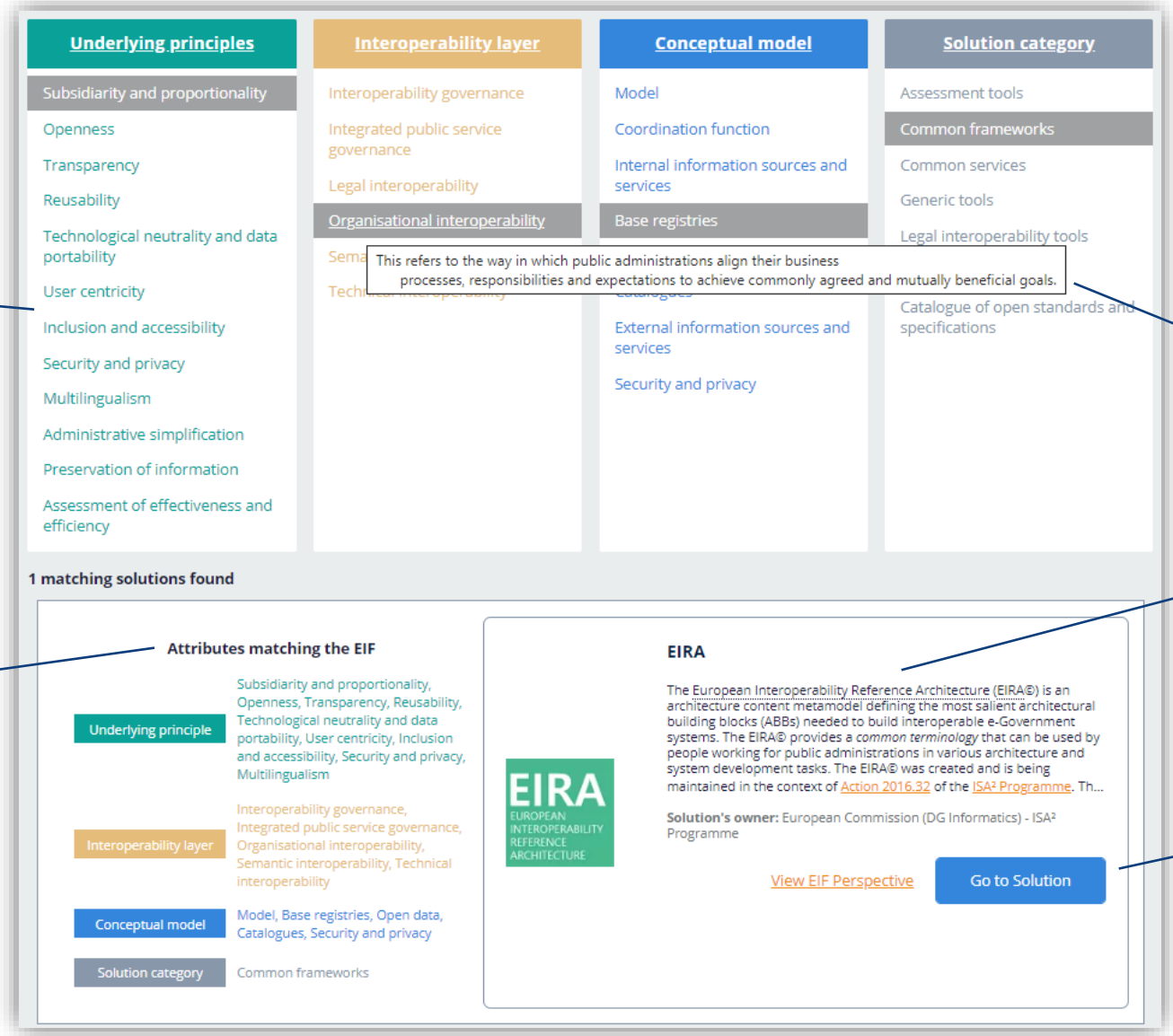
EIF Online Assistant (1/2)

An interactive tool to help align with the EIF

EIF Pillars

Recommendation topics

Matching EIF Pillars & recommendation topics



The EIF Online Assistant offers an interactive & intuitive interface for seeking open-source digital solutions that help align with the EIF

Tooltips

Resulting solution's description

Solution's home page

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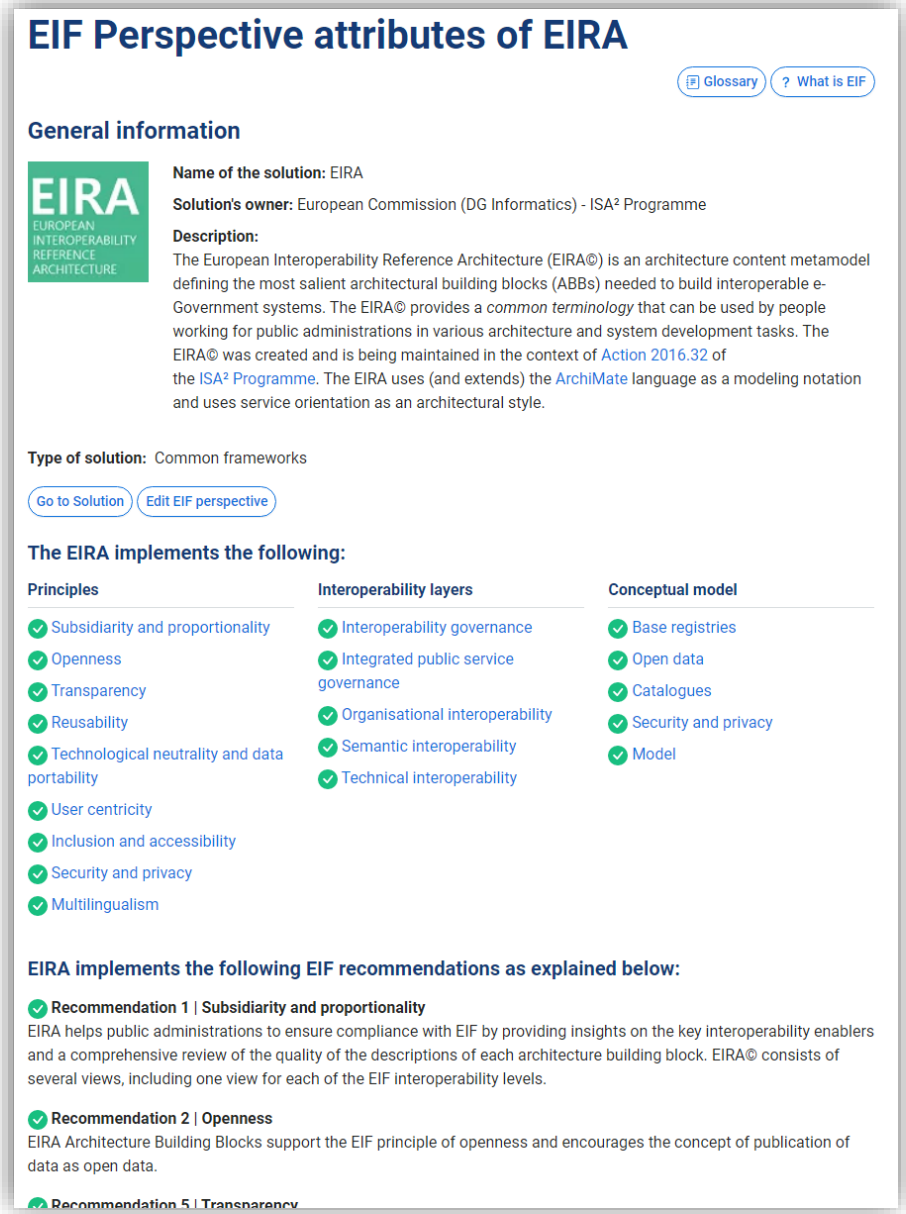
EIF Online Assistant (2/2)

An interactive tool to help align with the EIF

EIF Perspective information of solution



Questions & Answers

Thank you!

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innovation ∞ govtech ∞ community

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