

Workshop practicalities

Audio

Click on 'connect audio' but please mute your microphones



Chat

You can also share your questions for the Q&A session via the chat



Recording

The workshop will be recorded



Objectives of this webinar



Explore a draft data model for IOP Assessments

What does it contain? How does it relate to the Act?



Gauge your interest to contribute

The model is a first iteration. Your needs and context are paramount to achieving a mature specification.



Timeline and planning

How will the model be developed? How will the Commission implement and support it?

Introduction to SEMIC



The objectives of the SEMIC action are to promote Semantic Interoperability amongst the EU Member States by:



Promoting the share and reuse of semantic assets, experience and tools and facilitating agreements in key areas.



Identifying opportunities for alignment on semantic definitions, metadata and reference data sources with special focus on identification and definitions of Core Concepts / Vocabularies.



Raising awareness on the importance of data and metadata management.



Creating Semantic Interoperability through consensus

Context of the Interoperability Assessment data model

Why a common data model?

Interoperable Europe Act: Article 3

3) Union entities and public sector bodies may decide which body is to provide the necessary support to carry out the interoperability assessment. The Commission shall provide technical tools to support the interoperability assessment, including an online tool to facilitate the completion of the report and its publication on the Interoperable Europe portal referred to in Article 8

Interoperable Europe Act: Article 8

- 1) The solutions accessible through the Interoperable Europe portal shall:
- have a high-level of alignment with the Interoperable Europe solutions, which may be proven by publishing the outcome of the interoperability assessment referred to in Article 3 and in the Annex;
- 4) Where a Union entity or public sector body provides a portal, catalogue or repository with similar functions, it shall take the necessary and proportionate measures to ensure interoperability with the Interoperable Europe portal. Where such portals collect open source solutions, they shall allow for the use of the European Union Public Licence.

What shall be in an Assessment?

Interoperable Europe Act: Article 3

- 2) An interoperability assessment shall, in an appropriate, identify and assess the following:
- a) the effects of the binding requirements on cross-border interoperability, using the European Interoperability Framework referred to in Article 6as a support tool;
- b) the stakeholders to which the binding requirements are relevant;
- c) the Interoperable Europe solutions referred to in Article 7 that support the implementation of the binding requirements.

The Union entity or public sector body concerned shall publish, in a machine-readable format facilitating automated translation, a report presenting the outcome of the interoperability assessment, including the items listed in the Annex, on an official website. It shall share that report electronically with the Interoperable Europe Board established pursuant to Article 15 (the 'Board').

Interoperable Europe Act: Annex

- General Information
 - 1. Union entity or public sector body providing the report and other relevant information
 - 2. Initiative, project or action concerned
- 2. Requirements
 - 1. Trans-European digital public services concerned
 - 2. Binding requirements assessed
 - 3. Public and private stakeholders affected
 - 4. Identified effects on cross-border interoperability

3. Results

- 1. Interoperable Europe solutions identified for use
- 2. Other relevant interoperability solutions, where applicable, including machine-to-machine interfaces
- Remaining barriers to cross-border interoperability

Portal support

Interoperable Europe Act: Article 3

The Commission shall provide technical tools to support the interoperability assessment, including an online tool to facilitate the completion of the report and its publication on the Interoperable Europe portal



A form to manually facilitate the completion and publication of Assessments



An API to programmatically facilitate the completion and publication of Assessments



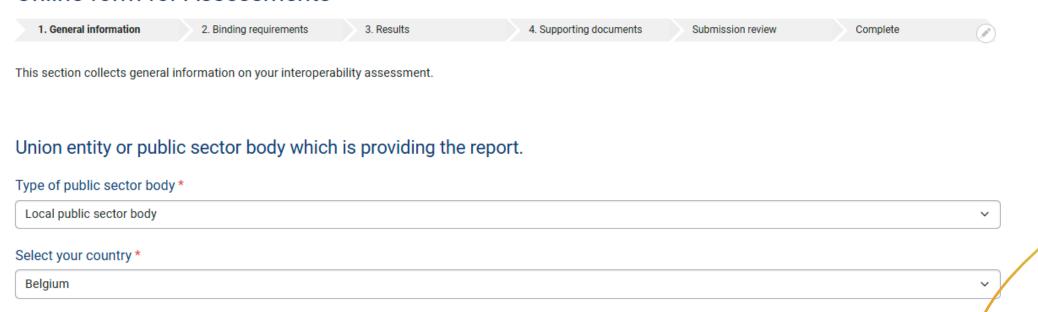
A Common data model to support the above and to facilitate Semantic interoperability

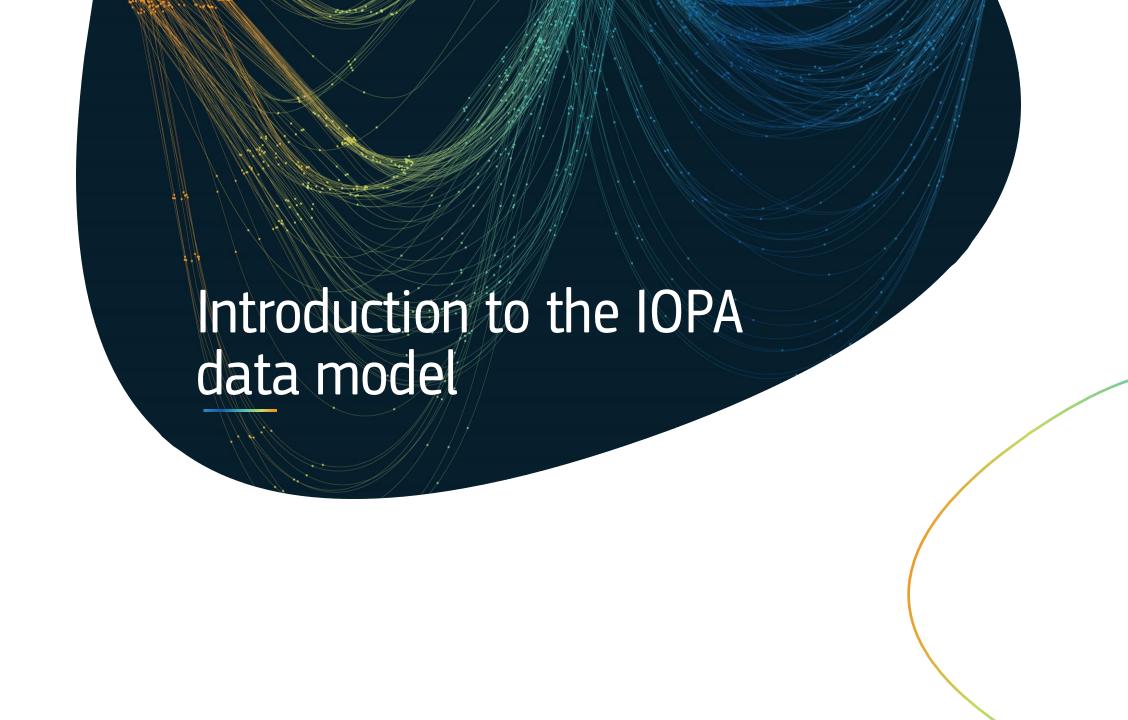
Interoperability Assessment Form

Hosted on the Interoperable Europe Portal formerly known as Joinup

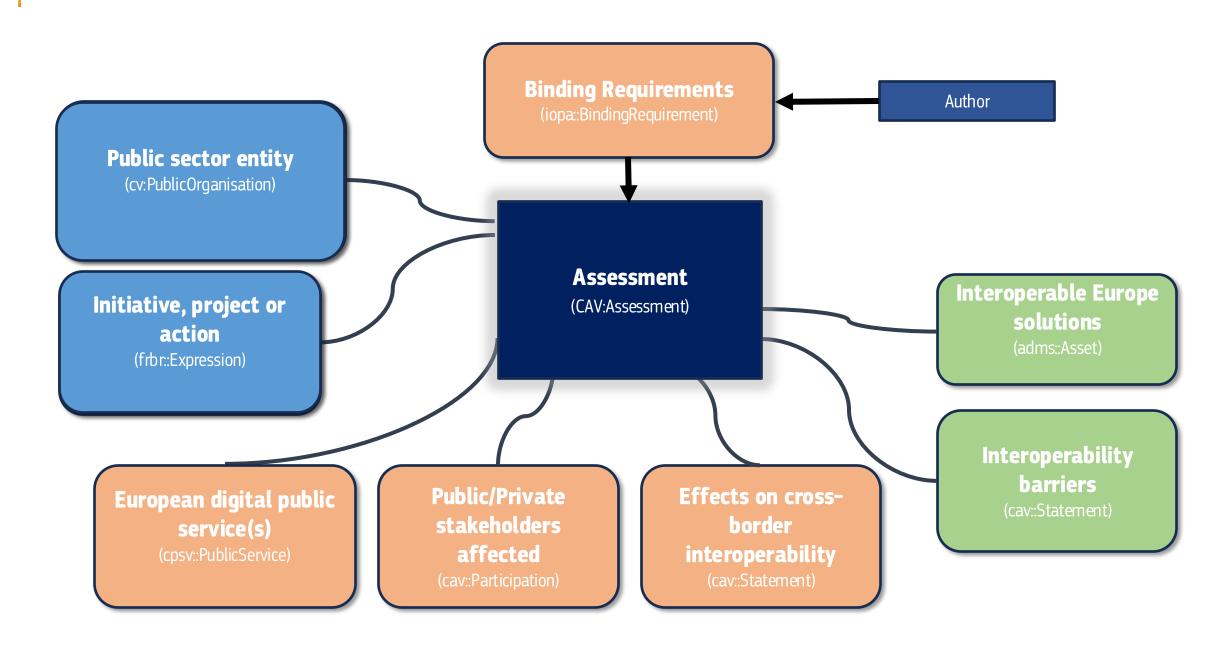
Online form for Assessments

Name of your organisation *



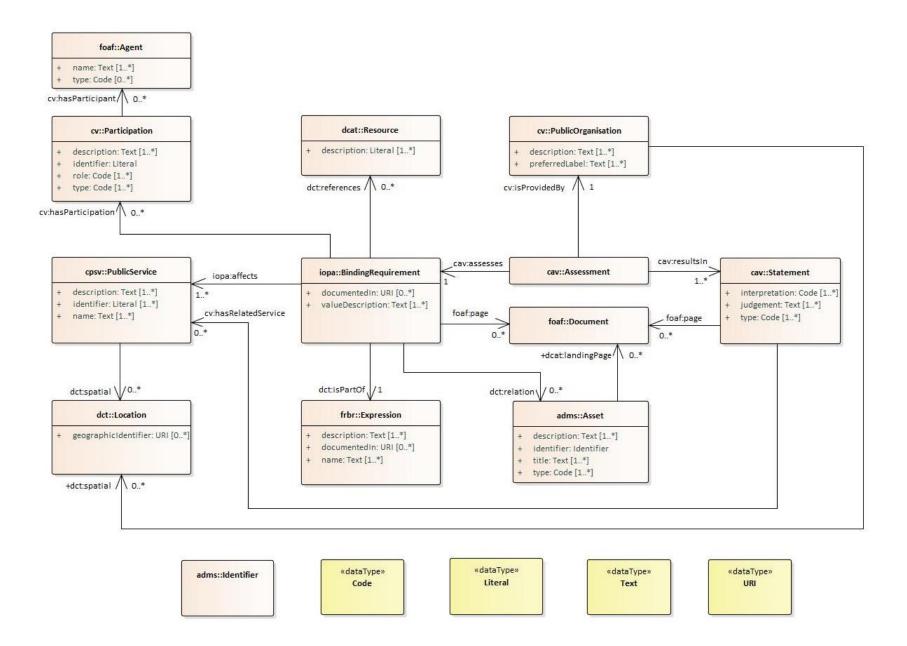


IOP Assessment's business model



IOP Assessment's data model





IOP Assessment's questionnaire overview

Binding Requirements General information Results Entity or public sector body Digital public service(s) concerned Internal Solutions in the Portal cv::PublicOrganisation cpsv::PublicService adms::Asset Type/Name Number Link Country Function Initiative, project or action concerned Binding requirements assessed **External Solutions to the Portal** frbr::Expression cav::BindingRequirement adms::Asset Legal reference Name Name Short description Link Link Affects Link to previous assessments Public and/or private stakeholders affected Barriers to cross-border interoperability cav::Assessment cv::Participation cav::Statement Link Related group Yes/No Country Text Effects on cross-border interoperability

cav::Statement

Legal Organisational Technical Semantic *Link: "Assessment form Data model"

Online form for Assessments

 1. General information
 2. Binding requirements
 3. Results
 4. Supplements

This section collects general information on your interoperability assessment.

Union entity or public sector body which is providing the report.

Type of public sector body *

Local public sector body

Select your country *

Belgium

Name of your organisation *

Public Orga	Public Organisation	
URI	cv::PublicOrgnanisation	
Definition	An Organization that is defined as being part of the public sector by a legal framework at any level.	
Fields	Name of organisation Public Sector Body type Country (list provided by http://publications.europa.eu/resource/authority/atu-type)	

The Union entity or public sector body concerned shall publish, in a machine-readable format facilitating automated translation, a report presenting the outcome of the interoperability assessment, including the items listed in the Annex, on an official website. It shall share that report electronically with the Interoperable Europe Board established pursuant to Article 15 (the 'Board'). The requirements laid down in this paragraph shall not restrict existing Member States' rules on access to documents. The publication of that report shall not compromise intellectual property rights or teads secrets, public order or security.

ANNEX

COMMON CHECKLIST FOR INTEROPERABILITY ASSESSMENT

The following items shall be included in the report referred to in Article 3(2):

- 1. General Information
 - Union entity or public sector body providing the report and other relevant information
 - Initiative, project or action concerned
-) Damiremente

Initiative, project or action concerned (containing the binding requirements to be assessed)

Provide the name of the initiative, project or action containing the binding requirements to be assessed: *

If applicable, provide a link to the initiative, project or action concerned:

Can this assessment be linked to previous assessments or related assessments at EU or national level?*

Yes

 \bigcirc No

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Legal expression		
URI	frbr::Expression	
Definition	A realization of a single work usually in a physical form.	
Fields	Label/title URI link to the Initiative, Project or Action Reference to requirement	

Assessments	
URI	cav::Assessment
Definition	The intellectual work to evaluate an asset against the criteria of a given scenario
Fields	•Label/title •Link

Trans-European digital public service(s) concerned

Services are to be considered trans-European digital public services when they fulfil the cumulative re-

'Digital services provided by Union entities or public sector bodies to one another or to natural or legal p Union entities or between Union entities and public sector bodies, by means of their network and inform

The binding requirements identified concern:

- Limited trans-European digital public services (1-5 specific TEDP services)
- O Potentially many trans-European digital public services (6 or more TEDP services)

Specify the concerned function of trans-European digital public service(s): *

- Defense
- Economic affairs
- Education
- Environmental Protection
- General public services
- Health
- Housing and Community Amenities
- Public Order and Safety
- Recreation, Culture, and Religion
- Social Protection

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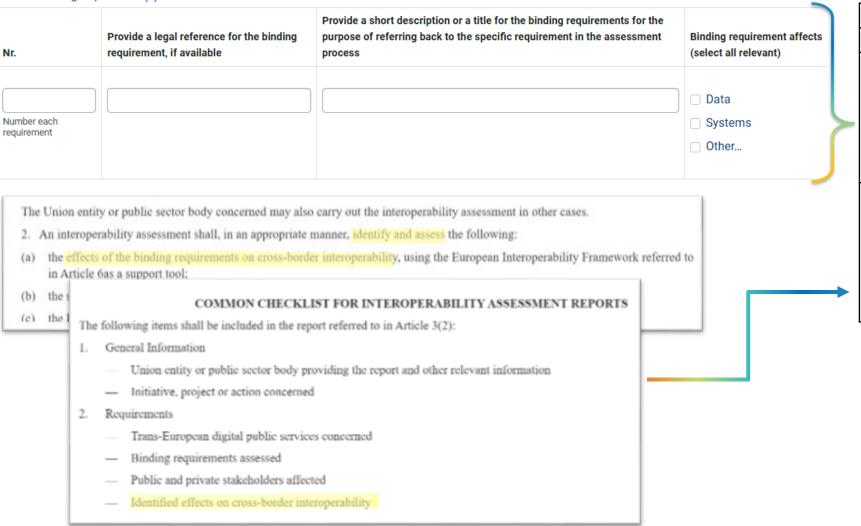
The Union entity or public sector body concerned may also carry out the interoperability assessment in other cases.

- 2. An interoperability assessment shall, in an appropriate manner, identify and assess the following:
- (a) the effects of the binding requirements on cross-border interoperability, using the European Interoperability Framework referred to in Article 6as a support tool;
- the stakeholders to which the binding requirements are relevant;
- (c) the Interoperable Europe solutions referred to in Article 7 that support the implementation of the binding requirements.

Public services	
URI	cpsv::PublicService
Definition	A Public Service is a mandatory or discretionary set of activities performed, or able to be performed, by or on behalf of a public organisation, publicly funded and arise from public policy.
Fields	•Label/title •Concerned function

Identification of binding requirements assessed

List the binding requirement(s) assessed.



Binding Requirement		
URI	iopa:BindingRequirement	
Definition	An obligation, prohibition, condition, criterion or limit of a legal, organisational, semantic or technical nature, which is set by a Union entity or a public sector body concerning one or more trans-European digital public services and which has an effect on cross-border interoperability.	
Fields	•Label/title •links to external documentation •Description: free text •Solution: Joinup solutions •External solutionPublic/Private •stakeholders affected: cv::Participation	

Public and/or private stakeholders affected Select the groups of stakeholders to which binding requirement(s) are relevant: Local public sector body Regional public sector body National public sector body European Union institution European Union agency European Union body Private Businesses Select the stakeholder's country

- None -

Public/Private Stakeholder	
URI	cv::Participation
Definition	The Participation class allows to define roles within a certain context.
Fields	•Title •Group of stakeholders



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Identified effects on cross-border interoperability

The Interoperable Europe Act requires the identification of effects on cross-border interoperability, i.e. public services that exchange data across borders.

Taking the EIF as the main starting point for your assessment means considering the extent to which whether additional requirements are needed. As explained above, it is necessary to keep in mind that it should help detect ways towards *more* interoperability.

Please tick the most appropriate and provide a brief description.

Identified effects on cross-border legal interoperability

Tick the most appropriate	Provide a justification
 Beneficial 	
○ Negligible	
○ Risky	

Identified effects on cross-border organisational interoperability

Tick the most appropriate	Provide a justification
Beneficial	
Negligible	
Risky	
Mony	

Identified effects on cross-border interoperability	
URI	cav::Statement
Definition	A value judgement, resulting from the assessment, pertinent to its entirety or to one or more of its specific parts.
Fields	•Title •Cross border interoperability type •Identification & Justification

The Union entity or public sector body concerned may also carry out the interoperability assessment in other cases.

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- (c)

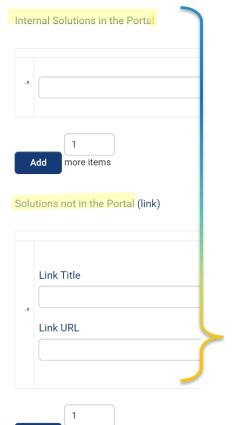
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Other relevant interoperability solutions, where applicable, including machine-to-machine interfaces

Identify the interoperability solutions mandatory to use for the implementation of the assessed binding requirement:



Relevar	elevant interoperability solutions	
URI	adms::Asset	
on intellectual or represents to asset that a physical ementity comb (a distinct in and express	An abstract entity that reflects the intellectual content of the asset and represents those characteristics of the asset that are independent of its physical embodiment. This abstract entity combines the FRBR entities work (a distinct intellectual or artistic creation) and expression (the intellectual or artistic realization of a work).	
Fields	•Label/title •identifier	

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- 3. Results
 - Interoperable Europe solutions identified for use
 - Other relevant interoperability solutions, where applicable, including machine-to-machine interfaces
 - Remaining barriers to cross-border interoperability

Remaining barriers to cross-border interoperability Have you discovered any remaining barriers to cross-border interoperability? * Yes No Remaining barriers

Statement	
URI	cav:Statement
Definition	A value judgement, resulting from the assessment, pertinent to its entirety or to one or more of its specific parts.
Fields	Yes/No Description of barriers
<u></u>	

ANNEX

COMMON CHECKLIST FOR INTEROPERABILITY ASSESSMENT REPORTS

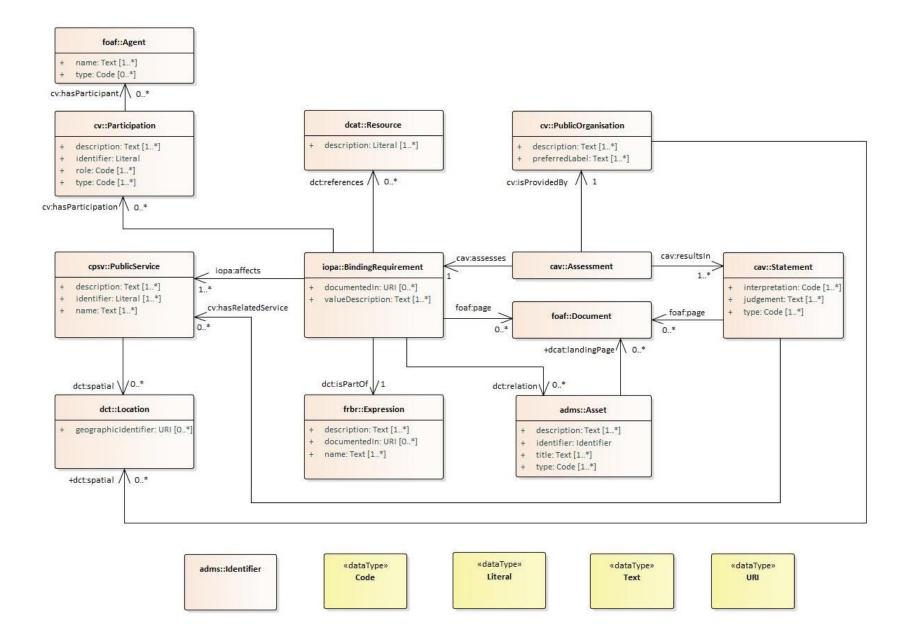
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3. Results

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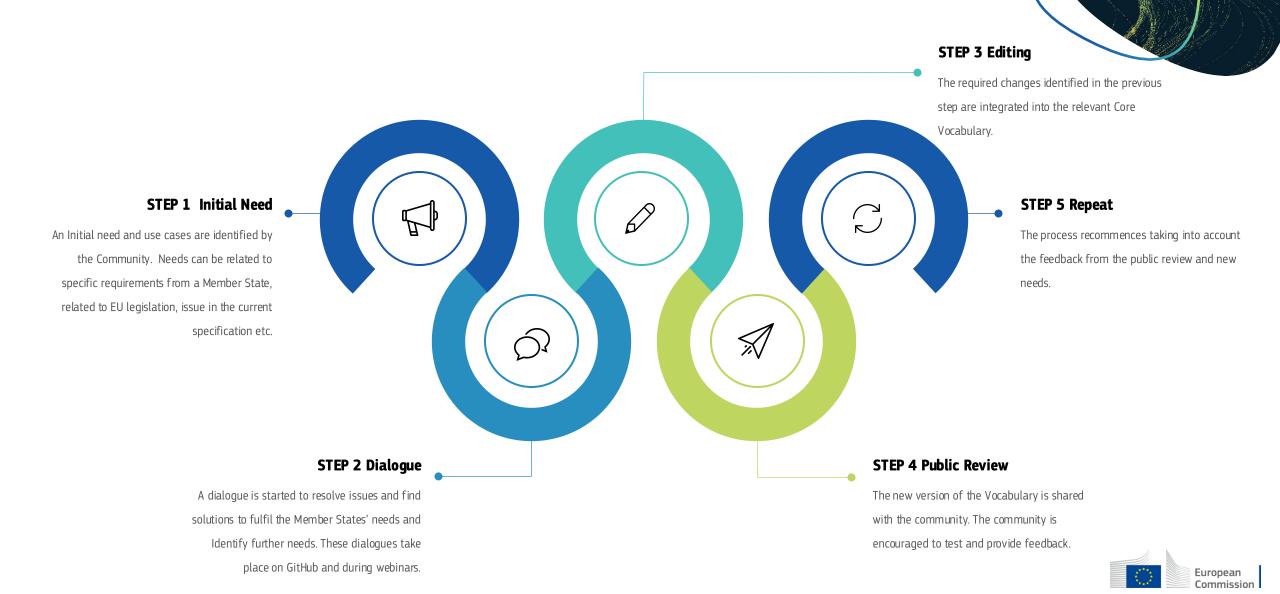
Current version of the Interoperability Assessment data model



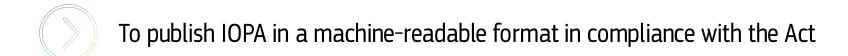




How are SEMIC specifications created and maintained?



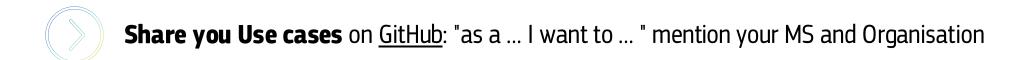
Initial Use Cases





- Enable the Interoperable Europe Portal to store and host IOPAs
- Find conflicts and alignment opportunities with other legislation
- Reuse older IOPA for new and similar binding requirements
- WHAT ARE YOUR POTENTIAL USE CASES?

How to contribute?





Only Use cases with sufficient traction will be incorporated

Use Cases with little traction would be in scope of MS sub-Profiles

Semantic and Technical comments are also welcome following the same system

Vote during webinars - Votes need to represent a majority of participants and MS

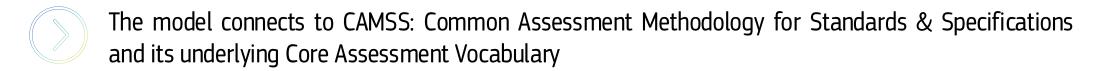
IOPA Vocabulary development







DG DIGIT synergies





- The model connects to Catalogue of Services through CPSV-AP
- The model is developed alongside the Reporting Requirement Metadata Vocabulary (RRMV)
- The model is developed alongside the Legal Financial Digital Statement Vocabulary (LFDS)
- Does it or could it connect to your initiatives?



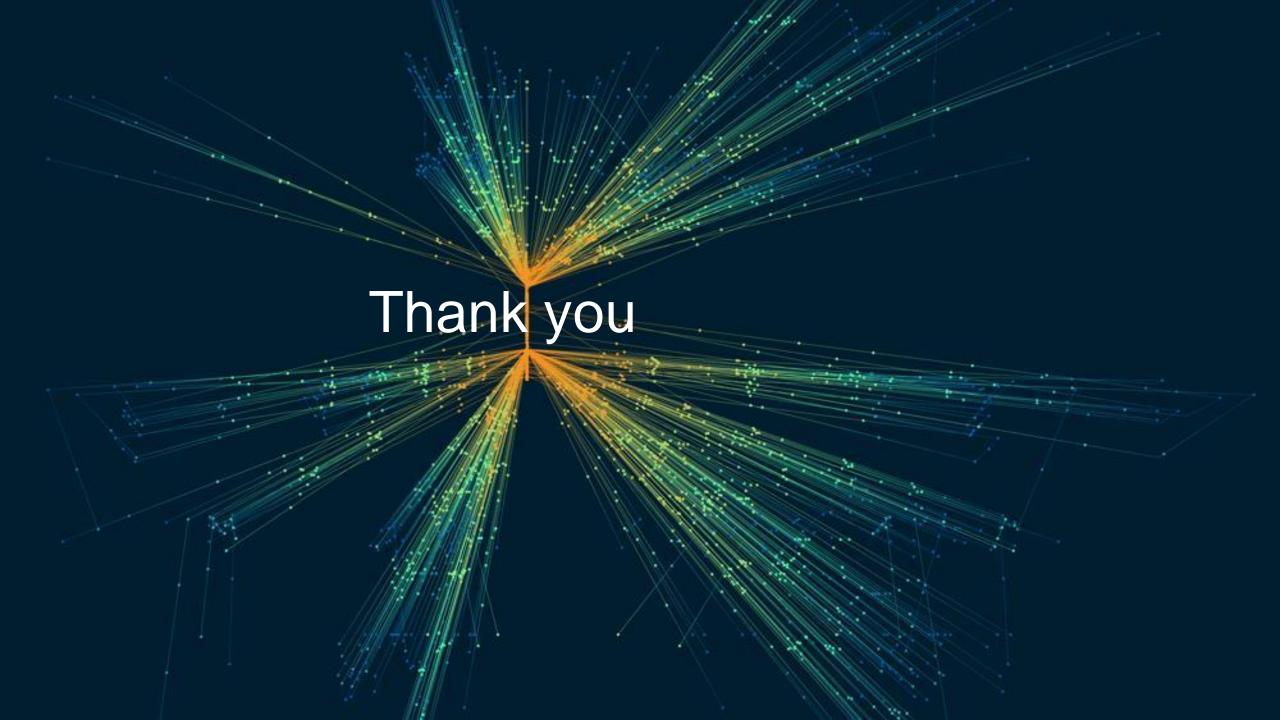
Immediate next steps







Participate in the development cycle! Propose your solutions!





intercoerable europe

innovation ∞ govtech ∞ community

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<u>Interoperable Europe - YouTube</u>



<u>Interoperable Europe | LinkedIn</u>



<u>DIGIT-INTEROPERABILITY@ec.europa.eu</u>



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