

EOSC-IF

Interoperability Guideline Title

Version 1.0

Month Year

**EOSC-IF /** Interoperability Guideline Title

Lead by **Leading Partner**

Authored by Author 1 (organisation), Author 2 (organisation)

Reviewed by QRP1 (organisation) & QRP2 (organisation)

Dissemination Level of the Document

*remove this text and the incorrect options*
Public

Restricted to other programme participants (including the Commission Services)

Restricted to a group specified by the consortium (including the European Commission Services)

Confidential, only for members of the consortium (including the European Commission Services).

**Abstract**

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Body text

Version History

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| Version | Date | Authors/Contributors | Description |
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| V0.4 |  |  |  |
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# Glossary

EOSC Future project Glossary is incorporated by reference: <https://wiki.eoscfuture.eu/x/JQCK>

# List of Abbreviations

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| Acronym | Definition |
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# Note for authors of EOSC-Core Interoperability Guidelines:

EOSC-Core Interoperability Guidelines should provide specifications for the purposes of interoperating resources with EOSC-Core services, including context and description in order to provide technical instructions to scientific resource providers that would like to integrate their services and/or resources with (or be interoperable with) one or more EOSC-Core Services which include:

• EOSC Federated AAI

• Monitoring

• Accounting

• Helpdesk

• Metrics service

• Resource registries

• Provider Portal

• Marketplace

These guidelines are created by operators of EOSC-Core Services to provide guidance to scientific service and resource providers who wish to benefit from the functionalities that the EOSC-Core services offer. Further information relating to writing Interoperability Guidelines for the EOSC can be found here: <https://doi.org/10.5281/zenodo.7929870>

Each EOSC-Core Guideline must onboarded at the EOSC Provider Portal. For further information, please refer to “Guidance note: Onboarding an Interoperability Guideline to EOSC: 10.5281/zenodo.7929834”.

Text in italics is to be removed prior to submitting a version for review.

# Intended Audience

*The audience for EOSC-Core Interoperability Guidelines is the technical experts of service and resource providers that would like their services and/or resources to be interoperable or integrate with EOSC Core Services. The author should provide any further information that would help readers to understand who this document is intended to be read by.*

# Description and main features

*Short description of the core service highlighting its main features and benefits of interoperation with its components.*

# Response to Community Need

*Brief description of the use case or need that this interoperability or integration addresses. This could be structured by explaining a problem statement or describing a gap, and then describing how this guideline fills that gap or helps to solve the problem.*

# High-level Service Architecture

*Describe the architecture (commented diagram) of the building block highlighting the interfaces towards the other services.*

*The architecture should be as generic as possible, but specific services can be cited if this facilitates the description of the architecture that could not be achieved otherwise.*

# Definitions

*Provide relevant definitions of specialist terms used in this document.*

# Licensing Information

*This may be required if the subject of the Interoperability Guideline comprises software components.*

# Related Standards

*This section is designed to capture details regarding the main standards, protocols, APIs, etc,  that are adopted by this Interoperability Guideline. Please provide the details in tabular form, and point out to related standards only when it is a prerequisite/dependency, and/or where it is likely to influence the manner in which a Provider would design towards interoperability based on the guideline. Authoritative references should be provided in the table.*

Table 9‑1: Related Standards

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| --- | --- | --- |
| Title | Short Description | relatedStandardIdentifier |
| Name or Title of the Related Standard | To describe the context in which the Interoperability Guideline uses or depends on these standards, protocoles, APIs and guidelines, rather than providing a short description of the standards, etc, themselves. | *Identifiers of related resources. These must be globally unique identifiers. ref EIG.BAI.22*e.g. <https://argoeu.github.io/argo-monitoring/docs/Monitoring/guidelines/> |
|  |  |  |

# Integration Options

*Describe the available levels of integration with the Core, and the benefits that this integration would provide to resources/providers.*

# Interoperability Guidelines

*Describe any pre-requisites and procedures to integrate a service with this core service (e.g. integrate an helpdesk with the EOSC Core Helpdesk, integrate a catalogue with the EOSC Resource Catalogue, etc.).*

*Describe at least one procedure for each integration option defined above.*

*This section should include details of:*

* *Required or necessary inputs in order to interoperate with the resource, service, etc that is the topic of this guideline.*
* *Interoperability capabilities, such as APIs, metadata schema, etc, that make interoperation with the resource, service, etc that is the topic of this guideline possible.*
* *Any dependencies, such as required formats, required metadata, and so on, that would be necessary to make interoperation possible.*
* *Outputs made available by the resource, service, etc that is the topic of this guideline that would facilitate downstream interoperation.*

*Where the above relates to other guidelines and/or specific standards, please state these in the tables in the* Related Guidelines *and/or* Adopted Standards *sections of this document.*

# Examples of solutions implementing this specification

*List available Open Source services that already interoperate according to the guideline, Include references to the service web page and examples of the interoperation or integration*.

Appendix A – Title of Appendix A

Appendix B – Title of Appendix B

# Template Text Formats Heading 1

*Please utilise these formats in the creation of the document (also the Styles in the MS Word menus), and please delete this section prior to completion of the first draft.*

## Heading 2

Body text

### Heading 3

Table 31 (create cross-references in the text)

Table 31: Table title

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Figure 3.1 (create cross-references in the text)

# References

(example as below)

1. Eosc-portal.eu. 2021. EOSC Portal. [online] Available at: <https://eosc-portal.eu/>