

Skills
4 eosC

- Skills for the European
- Open Science
- Commons

Ensuring quality in training and service delivery – S4E QA Framework

Final project event - 10th June 2025

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Supporting

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Co-funded by
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Task 2.4 Main

1 Objective

Including already existing quality practices

- Align with **training catalogues**
- Review of **existing quality standards**

Including **Skills4EOSC** key methodological outputs

- **MVS** competence model
- **FAIR-by-design** methodology
- **ELSI** aspects in **OS**

2

Develop a **QA and certification framework for Open Science training materials** and learning resources, covering the **full life-cycle of training**.



4

- **Community-endorsed** criteria
- **Support integration** into curricula and lifelong learning

3

Target:
authors,
developers &
trainers (S4E)

Methodology I: Building the QA Framework

1

External resources

- Mapping 5 **already existing training catalogues** (MERLOTMaterials, EOSC Marketplace Resources, OpenPlato, FOSTER OPENSOURCE and ELIXIR TESS) and **QA frameworks** for generic learning resources
 - **RDA minimal metadata schema**

RoLECT tool - EOSC RoP Legal & Ethics Compliance tool

Internal outputs

Work by **T2.2** and the project's ELSI team

FAIR-by design methodology (**T2.3**)

MVS profiles (**T2.1**)

QA framework

Essential subframework

ELSI subframework

FAIR-by-design subframework

MVS subframework

Methodology II: Levels of compliance & Structure

2

Minimal/Detailed indicators

- **Minimal:** stronger recommendations
- **Detailed:** milder recommendations

Level of granularity: modules and courses

| SECTION | LEVELS OF COMPLIANCE | |
|--------------------------------|----------------------|----------|
| CONTENT & STRUCTURE | MINIMAL* | DETAILED |
| IMPLEMENTATION | MINIMAL* | DETAILED |
| EVALUATION | MINIMAL* | DETAILED |
| COMPLIANCE, LICENSING & ETHICS | MINIMAL* | DETAILED |

Total: 52 indicators (28 minimal and 24 detailed)



Methodology III: Engaging with community

3

First stages of course design

Final stages of course design



DELIVERABLES

[D2.3. Community-endorsed quality assurance and certification framework for professional training and qualifications](#)



CHECKLIST & GUIDE

Introduces the framework in a more visual and comprehensive way. It complements the deliverable.



EVALUATION & FEEDBACK SPREADSHEETS

Ensures quality compliance within the TtT courses



SELF-ASSESSMENT APP

Self-assessment + feedback collection. Ensures quality within partners, CCs and beyond

Self-assessment app sneak

peek

Welcome!

Welcome to the Skills4EOsc Quality Compass, the self-assessment app that helps you in making your courses compliant with the Skills4EOsc Quality Assurance Framework. In our mission of ensuring quality in the full life-cycle of training, we have produced two main outputs that will guide you in taking your learning resources to the next level.

- S4E Quality Compass
- Skills4EOsc Checklist and Guide

By following our guidelines, you will ensure the integration of the FAIR-by-design methodology, the Minimum Viable Skillsets, key Ethical and Legal aspects and other e-learning quality criteria in your course.

At which stage of designing your course are you?

First stage of designing your course

The S4E Quality Checklist



Last stage of designing your course

The S4E Quality Compass





S4E Quality Compass

The Skills4EOSC Quality Compass is a self-assessment test that covers all indicators from the Skills4EOSC Quality Assurance Framework. You will navigate through 5 sections: background information, Content and Structure, Implementation, Evaluation and Compliance, Licensing and Ethics. In addition to answering the question, we encourage you to provide any comments or doubts regarding the questions. Just click on the flag next to each question, write your comments and send them.

After answering some of those questions, you will get a report on your course compliance with the framework. This report provides your scores by section and recommendations on how to improve your learning materials.

Regarding personal data collection, you don't need to provide any personal information you don't wish to be stored. You will still receive your report and results regardless of providing personal information. Any information you decide to provide and your answers and feedback will be stored for research purposes and to keep improving the tool.

Start self-assessment test

0. Personal Data



1. Are you involved in any way with the Skills4EOSC project?

Yes, I am a partner of the project



2. Please, provide your email:

example@institution.com



3. Your current role:

Testing enthusiast



4. Your institution:

Carlos III University of Madrid



5. Field of expertise:

Social Sciences



S4E Quality Compass

Personal Data

Content & Structure

Implementation

Evaluation

6% Completed

1. Content & Structure



1. Is the complete learning resource (incl. instructors' info) deposited or indexed in at least one searchable repository?

- Yes
 No



2. Is metadata available to describe the learning resource?

- Yes
 No



3. Is the RDA minimal (or domain specific) metadata schema used for the learning resource description?


- Yes
 No



Feedback for question F01

Provide your comment below:

what do you mean by searchable repository?



1. Content & Structure



1. Is the complete learning resource (incl. instructors' info) deposited or indexed in at least one searchable repository?

Yes

No



S4E Quality Compass

Personal Data

Content & Structure

Implementation

Evaluation

Compliance, Licensing & Ethics

69% Completed

4. Compliance, Licensing & Ethics



1. Does the resource provide or refer to a Terms of Service (ToS) and a privacy policy?

Terms and conditions explain the rules for using the resource and might include limits or rules for how it can be used. Anyone using the service that provides the resource needs to be informed about its terms. The same applies to informing the resource user about how their data is being processed. This disclosure must take the form of a privacy policy or a data policy. If the resource is contained within a platform and covered by its ToS and its privacy policy, it is enough that the platform provides the relevant links (e.g. in the footer).

- Yes
 No



S4E Quality Compass app - REPORT (Answers)

Your Answers

[CSV](#)[PDF](#)Search:

| Number | Page | Question | Answer | Level | Feedback |
|--------|------------------------|---|--------|----------|----------|
| 12 | 1. Content & Structure | Are controlled vocabularies (CVs) used for describing the resource characteristics aligned with the chosen metadata schema? | Yes | detailed | |
| 13 | 1. Content & Structure | Is the resource searchable in at least one relevant catalogue? | No | detailed | |
| 14 | 1. Content & Structure | Does the title of the resource clearly describe what it offers? | Yes | minimal | |
| 15 | 1. Content & Structure | Does the resource clearly state its target audience? | No | minimal | |
| 16 | 1. Content & Structure | Does the resource specify the expertise level required from its audience? | Yes | minimal | |
| 17 | 1. Content & Structure | Does the resource identify the developer/author of the resource? | Yes | minimal | |
| 18 | 1. Content & Structure | Does the resource specify the primary language used? | No | minimal | |
| 19 | 1. Content & Structure | Does the resource contain relevant keywords related to the content and structure? | No | minimal | |
| 20 | 1. Content & Structure | Are the learning objectives* and outcomes* specific, well-defined, and measurable? | Yes | minimal | |
| 21 | 1. Content & Structure | Does the resource include its goal? | No | minimal | |

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S4E Quality Compass app - REPORT (Scores)

Your Score

26 / 50

Total Yes Answers



11 / 26

Minimal Level - Yes Answers



15 / 24

Detailed Level - Yes Answers



Score by section

Content & Structure

6 / 12

Minimal Level



4 / 5

Detailed Level



Implementation

2 / 6

Minimal Level



5 / 7

Detailed Level



Evaluation

0 / 0

Minimal Level



4 / 7

Detailed Level



Compliance, Licensing & Ethics

3 / 5

Minimal Level



2 / 3

Detailed Level



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S4E Quality Compass app - REPORT (Best practices)

How Can You Improve the Quality of Your Course?

Best Practices

Copy CSV Excel PDF Print

Search:

| Question | Level | Answer | Best Practice |
|---|----------|--------|--|
| Is metadata available to describe the learning resource? | minimal | No | The learning resource should be described using a suitable metadata schema that is easily accessible to everyone. It is preferable that the metadata is available in both human and machine readable format. |
| Is the resource searchable in at least one relevant catalogue? | detailed | No | If the learning resource is indexed in a relevant training catalogue its Findability and Reusability are increased. |
| Does the resource clearly state its target audience? | minimal | No | Following the "Target Group (Audience)" element of the Research Data Alliance (RDA) Minimal Metadata for Learning Resources Schema, include the primary user(s) for whom the resource is intended. Describe who the material is intended for, such as researchers or students. |
| Does the resource specify the primary language used? | minimal | No | Following the "Primary Language" element of the Research Data Alliance (RDA) Minimal Metadata for Learning Resources Schema, specify the primary language of the resource. |
| Does the resource contain relevant keywords related to the content and structure? | minimal | No | Following the "Keyword(s)" element of the Research Data Alliance (RDA) Minimal Metadata for Learning Resources Schema, include keywords to help organise resources in a system so that people can easily find what they need. They can be used to search for specific things, such as who created the resource, how long the learning activity takes, and what the topic is. |
| Does the resource include its goal? | minimal | No | Following the "Abstract/Description" element of the Research Data Alliance (RDA) Minimal Metadata for Learning Resources Schema, include the main aim of the whole learning object. It represents the broad aspirations of the resource and it is a good opportunity to introduce the relevance of the material. |

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Thank you! Questions?

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