EOSC Interoperability Framework

Why

- EOSC is a federated infrastructure of data and services.
- Interoperability is essential to deliver services to users.
- Adoption of standards is not sufficient...
- we need more to enable resource interoperability.

What

- Set of guidelines* that:
  - Facilitate interoperation with EOSC-Core
  - Promote standards and community best practices within the EOSC
  - Governance to manage EOSC promoted guidelines
  - A registry to list the guidelines and help tag resources that support them

Who

For Providers operating resources, facilities, catalogues, etc and for users with an interoperability requirement

https://eosc-portal.eu/eosc-interoperability-framework
Fostering Interoperability with the EOSC IF

- Curating and creating guidelines that
  - facilitate interoperation
  - work towards composability
  - promote adoption of already existing standards and community best practices

- Providers will be able to indicate supported interfaces in the EOSC Resource Catalogue

- Existing guidelines that could apply across disciplines can become EOSC Exchange Interoperability Guidelines
EOSC Interoperability guidelines for EOSC Core services
### Governing bodies

"An overarching, independent group that will assess whether requests for inclusion into the EOSC IF are compliant with a minimum set of requirements"

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<thead>
<tr>
<th>Body</th>
<th>Responsibility</th>
<th>People</th>
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<tbody>
<tr>
<td>EOSC Interoperability Advisory Board (EIAB)</td>
<td>● overseeing the EOSC IF;</td>
<td>EOSC Future Technical Coordination Board</td>
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<td></td>
<td>● endorsing guidelines, based on the recommendations of the EIAC.</td>
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<tr>
<td>EOSC Interoperability Area Chairs (EIAC)</td>
<td>● performing the initial assessment of the proposed guidelines</td>
<td>EOSC Future WP3 task leads supported by editorial board (calling in community experts to help with the review process as needed).</td>
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<td>● making recommendations for inclusion to the EIAB.</td>
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editorial board not yet fully recruited; this will happen alongside first trial of the process.

EOSC IG for EOSC Core Monitoring: The Guinea pig!

- EOSC Monitoring: Architecture and Interoperability Guidelines has been used in order to help us through the decision making process for:
  - EOSC-IG Data Model
  - EOSC-IG template
- This will be used to trial the submission/proposal process.
- Intends to help us to apply lessons learned throughout to further iterations of the documentation and processes.
- https://zenodo.org/record/7118591#.YzQQjezP0UQ

Actions:
- Use published version to trial the submission/proposal process.
- Apply template to all other EOSC-Core Interoperability Guidelines
- Progress all EOSC-Core Interoperability Guidelines through the submission process.
In the pipeline

2021

Q1-3 2022

Q4 2022/2023

Governance

Consultation

Publish all EOSC-Core IG to Zenodo
Ask community to submit their guidelines
Populate the EOSC IF registry

Governance in place
Thank you for listening!

Questions?