EOSC: Ready for Open Research and Open Research Assessment?

Klaus Tochtermann, 27. November 2021
EOSC – Federated Infrastructure for RDM

Trusted Open Environment
Seamless Services for data analysis
Federating data repositories
…
Federated infrastructures are challenging

Connection of
• Quality Repositories
• Quality Software
• Technical Interoperability
• Semantic Interoperability
• (Metadata-)Standards
• FAIR Principles
• …
Minimum Viable EOSC

- **digital marketplace** to offer a set of services exploiting FAIR data and encouraging its reuse
- **services**, such as store, preserve, transfer, analyse

- **naming and locating** data and services
- **discovery** of and access to data and services
- **user identity** and access
Get insights in EOSC

EOSC Future

is an EU-funded H2020 project that is implementing the European Open Science Cloud (EOSC). This EOSC will give European researchers access to a wide variety of research data and professionally provided services.

https://eoscfuture.eu/

https://eosc-portal.eu/
Financing of EOSC

- Co-programmed European Partnership (until 2030)
  - ~ 460 Mio Euro from EC (Horizon Europe)
  - ~500 Mio Euro from Member States (in-kind)
Management of EOSC-A
https://eosc.eu/

Secretary General (as of Nov 1, 2021)
https://eosc.eu/staff/ute-gunzenheimer

Board of Directors
Governance

Governance of the EOSC Partnership

- European Commission
- Steering Board (MS and AC)
- EOSC Association
  - General Assembly
  - Board of Directors
  - Secretary General and Office
Open Science Assessment in EOSC

<table>
<thead>
<tr>
<th>SRIA Objective</th>
<th>KPI</th>
<th>Target</th>
<th>Measure Direct (D) / Survey (S)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ensure that Open Science practices and skills are rewarded and taught, becoming the 'new normal'</td>
<td>Percentage of publications from EOSC Association research-performing members that become immediate open access</td>
<td>70% by 2023</td>
<td>D</td>
</tr>
<tr>
<td></td>
<td>Number of national education systems that recognise European curricula for data stewardship</td>
<td>5 by 2025</td>
<td>S</td>
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<tr>
<td></td>
<td>Percentage of RPOs that are EOSC Association members that have data stewards to support their research</td>
<td>50% by 2025</td>
<td>S</td>
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<tr>
<td></td>
<td>Percentage of EOSC Association members that recognise Open Science activities in research career assessments</td>
<td>50% by 2025</td>
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</table>

Advisory Groups & Task Forces
https://www.eosc.eu/task-force-faq

Global Statistics of all TFs

<table>
<thead>
<tr>
<th>Gender</th>
<th>Total</th>
<th>Selected</th>
<th>Not Selected</th>
<th>Total %</th>
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<tbody>
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<td>Male</td>
<td>349</td>
<td>275</td>
<td>74</td>
<td>64%</td>
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<tr>
<td>Female</td>
<td>196</td>
<td>166</td>
<td>30</td>
<td>36%</td>
</tr>
<tr>
<td>Prefer to self-d</td>
<td>3</td>
<td>3</td>
<td>0</td>
<td>1%</td>
</tr>
<tr>
<td>Total</td>
<td>548</td>
<td>444</td>
<td>104</td>
<td></td>
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</table>
Charter of TF Careers, Recognition, and Credit

• **Landscape analysis of existing high-level initiatives**, good practices and the outstanding needs … related to recognition and credit, and provide a gap analysis.

• **Provide recommendations** targeted to different stakeholders for improving recognition systems and credit.

• **Define a future monitoring strategy** for the implementation of recommendations and practices.
Open Science Assessment in WP 2021-2022

This topic supports the development of EOSC-federated services and tools that allow the gathering and monitoring of information and data on the use and uptake of research outputs and of open science practices across borders and disciplines. Such tools and services are essential to collect the information to be used for next generation metrics\(^\text{46}\), together with qualitative indicators, in an assessment system that valorises open science.

Services and tools should collect data on the different usages of research outputs such as data sets, models, software, etc., on the usage of EOSC services, research infrastructures, data platforms, etc., and on open science practices such as those identified in the context of the Open Science Policy Platform registry of pilots and implementations of responsible metrics\(^\text{47}\) and the RDA Interest Group on Open Science Graphs for FAIR Data\(^\text{48}\).

Align with activities of the EOSC Partnership!!
A personal perspective

• We drown in open science metrics and indicators … but we often do not understand what they mean

• **What do we want to measure?**
  o Who is a *good* open *scientist*? What is a *good* open *science institution*?  
  o Is it only the researcher who reaches 100% in all open science indicators?

• **How comprehensive does the database need to be in order to carry out reliable measurements?**
Thank You!

Klaus Tochtermann, Oct. 27, 2021