Survey on National Contributions to EOSC 2021

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#EOSC #EOSCTripartite #OpenScience #EUResearchArea
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19 questions:
- EOSC policies and investments
- EOSC practices

Annual survey to the EOSC Steering Board
Please refer to the EOSC Glossary¹ for an explanation of the terms used in this survey, or to this document in which EOSC-SB specific guidance is available. The glossary will be developed by the EOSC Future project by consulting stakeholders on missing definitions.

SECTION 1 EOSC policies and financial investments

Clarification: Policies provide an important impetus to the implementation of open science practices. The purpose of this section is to understand the prevalence and effective implementation at national level.

1. Are there EOSC-relevant policies in place at national or regional level? (Multiple choice):
   - There are one or more policies relevant for the EOSC in place
     If this box is checked:
     - Policy most relevant for EOSC in place since: dd/mm/yyyy
     - Latest update of the policy most relevant for EOSC: dd/mm/yyyy
     - Link(s) to EOSC-relevant policy/policies: [text field]
   - Policy in planning
   - One or more of the open science policies explicitly mentions EOSC
   - Policy addresses Open access to data, data management and/or FAIR
   - Policy addresses FAIRisation of data
   - Policy addresses Open access to software
   - Policy addresses Preservation and reuse of scientific information
   - Policy addresses Infrastructures that include aspects of open science
   - Policy addresses Skills and competencies
   - Policy addresses Incentives and rewards
   - Policy addresses Citizen science
   - Other [text field]

Explanation question 1:
1. “Policy” can be understood here in a wider sense, e.g., also recommendations, regulations, laws can be considered as a policy
2. At national / regional level should be understood as being applicable to all RPOs/RFOs at this level
National policy* contributions

EOSC Steering Board survey 2021
45 countries invited:
• 27 EU member states (MS)
• 12 Associated Countries (AC)
• 5 with Observer status in the EOSC-SB expert group
• 1 other country (CH)

Participation: 34 out of 39 countries (MS/AC)

Open science elements
• EOSC
• Open access to data, data management and/or FAIR
• FAIRisation of data
• Open access to software
• Preservation and reuse of scientific information
• Infrastructures that include aspects of open science
• Skills and competencies
• Incentives and rewards
• Citizen science

*Policy, recommendation, strategy or legislation that applies to all RFOs or RPOs at the national or regional levels
EOSC Observatory - National contributions 2021

National contributions 2021

EOSC Policies

EOSC-relevant Policies

Implementation Measures

Financial Strategies

EOSC-relevant Activities

EOSC-relevant Services

EOSC-relevant Infrastructure

EOSC Practices

Select one of the following to change the view of the map

- There are one or more policies relevant for the EOSC in place
  - Policy in planning
  - One or more of the open science policies explicitly mentions EOSC
  - Policy addresses Open access to data, data management and/or FAIR
  - Policy addresses FAIRisation of data
  - Policy addresses Open access to software
  - Policy addresses Preservation and reuse of scientific information
  - Policy addresses...

EOSC-relevant Policies in Place at National or Regional Level

There are one or more policies relevant for the EOSC in place
EOSC-relevant policies at the national or regional level

**EOSC-relevant policy/-ies**

**Policy/-ies explicitly mention/s EOSC**

- Countries with financial strategies linked to the policy
Policy addresses:

Open access to data, data management and/or FAIR

Open access to software

Infrastructures that include aspects of open science

Countries with use cases and best practices relevant to the policy
Policy addresses:

Skills and competencies  Incentives and rewards  Citizen science

Countries with use cases and best practices relevant to the policy
<table>
<thead>
<tr>
<th>COUNTRY</th>
<th>THERE ARE ONE OR MORE POLICIES RELEVANT FOR THE EOSC IN PLACE</th>
<th>POLICY IN PLANNING</th>
<th>ONE OR MORE OF THE OPEN SCIENCE POLICIES EXPLICITLY MENTIONS EOSC</th>
<th>POLICY ADDRESSES OPEN ACCESS TO DATA, DATA MANAGEMENT AND/OR FAIR</th>
<th>POLICY ADDRESSES FAIRISATION OF DATA</th>
<th>POLICY ADDRESSES OPEN ACCESS TO SOFTWARE</th>
</tr>
</thead>
<tbody>
<tr>
<td>AM</td>
<td>--</td>
<td>Yes</td>
<td>--</td>
<td>Yes</td>
<td>Yes</td>
<td>--</td>
</tr>
<tr>
<td>AT</td>
<td>Yes</td>
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<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>BA</td>
<td>--</td>
<td>Yes</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>BE</td>
<td>Yes</td>
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<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>RG</td>
<td>Yes</td>
<td>--</td>
<td>--</td>
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<td>--</td>
<td>--</td>
</tr>
</tbody>
</table>
## Aggregated analysis

<table>
<thead>
<tr>
<th>Open science element addressed by policy/-ies</th>
<th>Number of countries</th>
<th>Percent of countries</th>
</tr>
</thead>
<tbody>
<tr>
<td>Explicitly mentions EOSC</td>
<td>18</td>
<td>53%</td>
</tr>
<tr>
<td>Open access to data, data management and/or FAIR</td>
<td>26</td>
<td>76%</td>
</tr>
<tr>
<td>FAIRisation of data</td>
<td>17</td>
<td>50%</td>
</tr>
<tr>
<td>Open access to software</td>
<td>11</td>
<td>32%</td>
</tr>
<tr>
<td>Preservation and reuse of scientific information</td>
<td>22</td>
<td>65%</td>
</tr>
<tr>
<td>Infrastructures that include aspects of Open Science</td>
<td>21</td>
<td>62%</td>
</tr>
<tr>
<td>Skills and competencies</td>
<td>19</td>
<td>56%</td>
</tr>
<tr>
<td>Incentives and rewards</td>
<td>16</td>
<td>47%</td>
</tr>
<tr>
<td>Citizen science</td>
<td>11</td>
<td>32%</td>
</tr>
<tr>
<td>Other policies</td>
<td>6</td>
<td>18%</td>
</tr>
</tbody>
</table>
Further analyses (preliminary data)
<table>
<thead>
<tr>
<th>Open science element</th>
<th>Number of MS/AC with use cases</th>
</tr>
</thead>
<tbody>
<tr>
<td>Explicitly mentions EOSC</td>
<td>N/A</td>
</tr>
<tr>
<td>Open access to data, data management and/or FAIR</td>
<td>14</td>
</tr>
<tr>
<td>FAIRisation of data</td>
<td>11</td>
</tr>
<tr>
<td>Open access to software</td>
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</tr>
<tr>
<td>Preservation and reuse of scientific information</td>
<td>16</td>
</tr>
<tr>
<td>Infrastructures that include aspects of Open Science</td>
<td>14</td>
</tr>
<tr>
<td>Skills and competencies</td>
<td>16</td>
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<tr>
<td>Incentives and rewards</td>
<td>5</td>
</tr>
<tr>
<td>Citizen science</td>
<td>9</td>
</tr>
<tr>
<td>Other policies</td>
<td>4</td>
</tr>
</tbody>
</table>
Variation in the Open Science elements being addressed by policies in the different countries.

• Most commonly addressed:
  • Open access to data, data management and/or FAIR
  • Preservation and reuse of scientific information
  • Infrastructures that include aspects on Open Science

• Least addressed: “Open access to software” and “citizen science”

The survey shows that the countries have reached different stages in their progress towards Open Science.

Knowledge exchange between the countries can leverage the efforts to develop and implement policies.
Current dashboard:

- **EOSC-relevant policies**
- Implementation measures
- **Financial strategies** linked to policies and actions
- Mandated organisations
- National monitoring / reporting
- Use cases
Thank you!