Survey on National Contributions to EOSC 2021

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#EOSC #EOSCTripartite
#OpenScience #EUResearchArea

Research and Innovation

1st (pilot) EOSC Steering Board survey on national contributions

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Data collected until August 2022

19 questions:
- EOSC policies and investments
- EOSC practices

Annual survey to the EOSC Steering Board

Please refer to the EOSC Glossary[1] 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)

Policy, recommendation, strategy or legislation that applies to all RFOs or RPOs at the national or regional levels

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

EOSC Observatory - National contributions 2021

✕ **eosc** OBSERVATORY

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

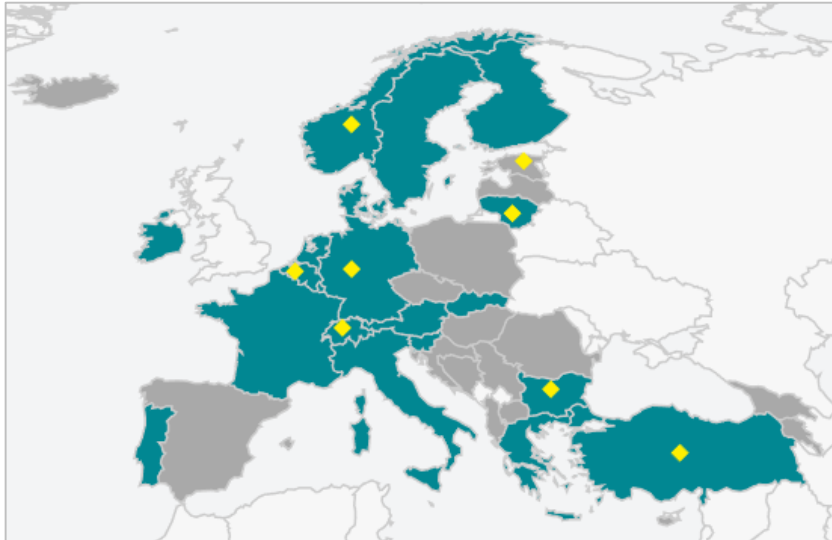➕ EOSC–relevant Policies in Place at National or Regional Level ☰

➖

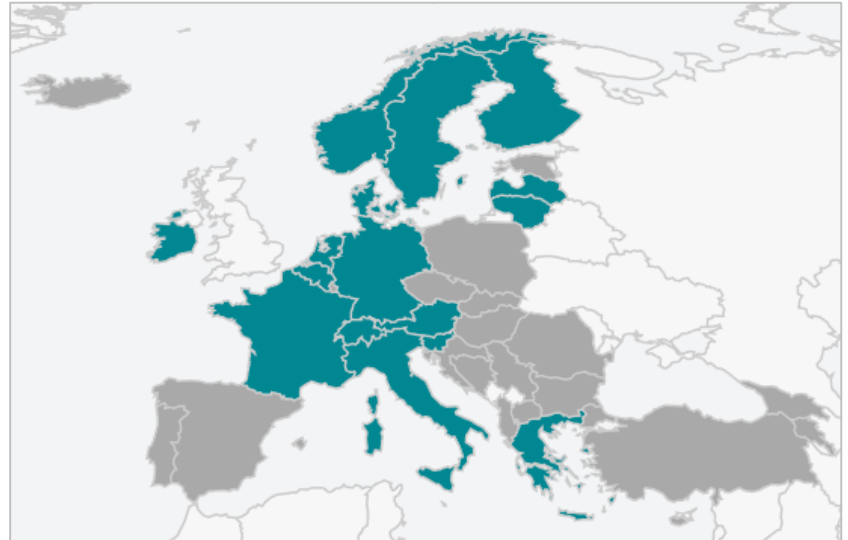There are one or more policies relevant for the EOSC in place
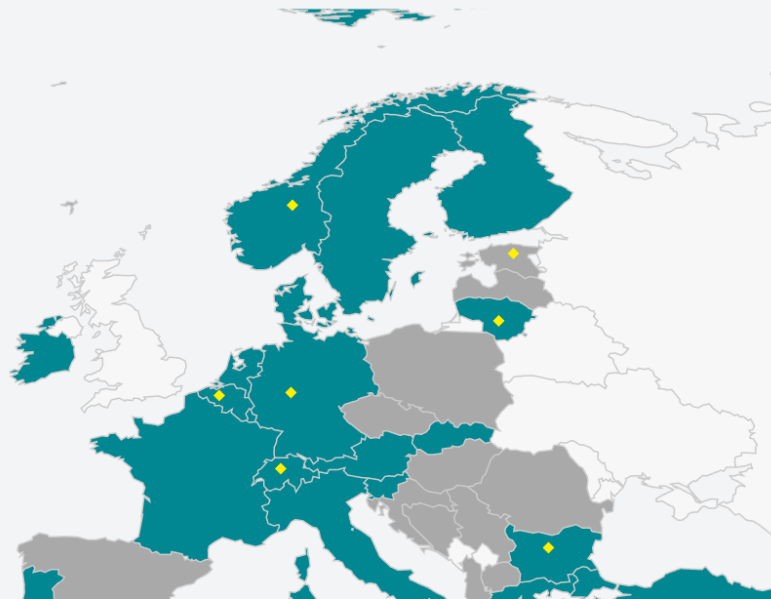
EOSC-relevant policies at the national or regional level

EOSC-relevant policy/-ies

Policy/-ies explicitly mention/s EOSC

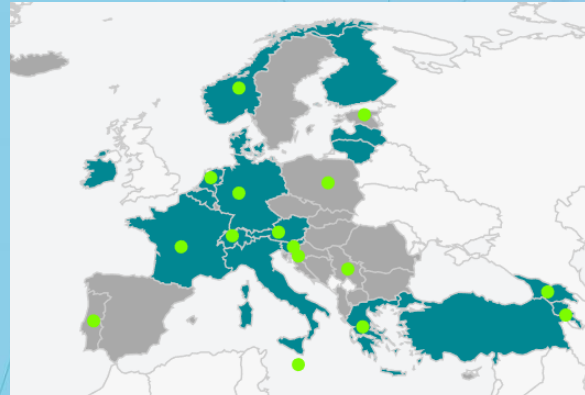◆ Countries with financial strategies linked to the policy
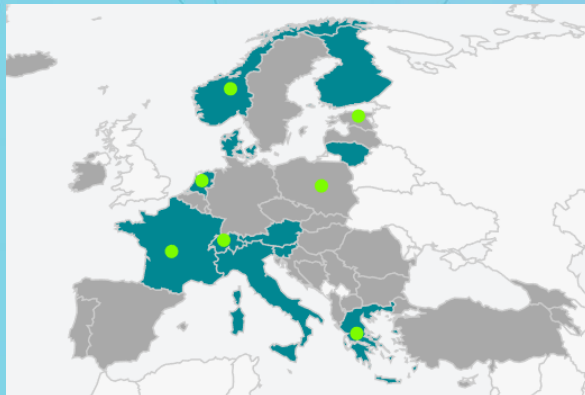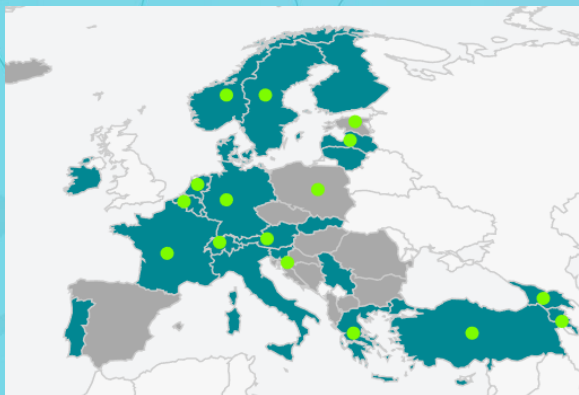
European Commission

Policy addresses:

Open access to data, data management and/or FAIR

Open access to software

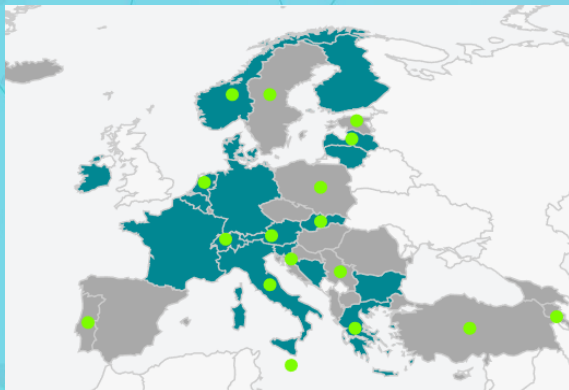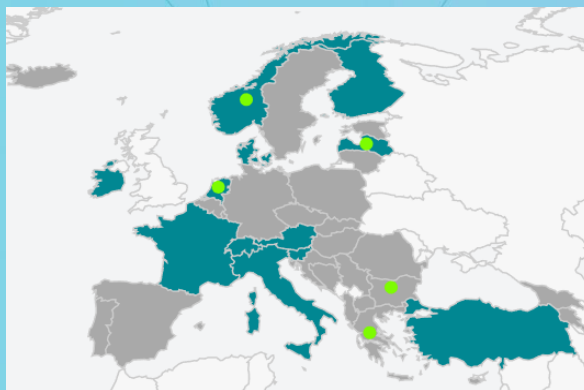**Infrastructures that include aspects of open science**

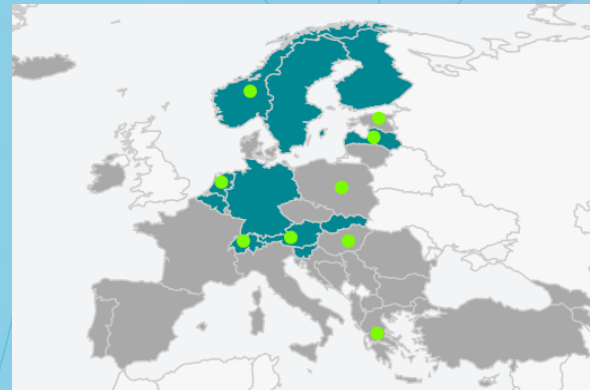● Countries with use cases and best practices relevant to the policy

Policy addresses:

Skills and competencies

Incentives and rewards

Citizen science

● Countries with use cases and best practices relevant to the policy

European Commission

Further analyses of the data

National contributions 2021

- **EOSC Policies** ▼
  - **EOSC-relevant Policies**
  - **Implementation Measures**
  - **Financial Strategies**
  - **EOSC-relevant Activities**
  - **EOSC-relevant Services**
  - **EOSC-relevant Infrastructure**
- **EOSC Practices** ▼

Graph view · Table view

COUNTRY	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 SCIENTIFIC INFORMATION
AM	--	Yes	--	Yes	--	--	--
AT	Yes	--	Yes	Yes	Yes	Yes	Yes
BA	--	Yes	--	--	--	--	--
BE	Yes	Yes	Yes	Yes	Yes	--	--
BG	Yes	--	--	--	--	--	--

Aggregated analysis

Open science element addressed by policy/-ies	Number of countries	Percent of countries
Explicitly mentions EOSC	18	53%
Open access to data, data management and/or FAIR	26	76%
FAIRisation of data	17	50%
Open access to software	11	32%
Preservation and reuse of scientific information	22	65%
Infrastructures that include aspects of Open Science	21	62%
Skills and competencies	19	56%
Incentives and rewards	16	47%
Citizen science	11	32%
Other policies	6	18%

WP2 Report

EOSC Steering Board 1st (pilot) Survey Analysis Report

The EOSC Future project is co-funded by the European Union Horizon Programme call INFRAEOSC-03-2020, Grant Agreement number 101017536

(In draft!)

European Commission

Further analyses (preliminary data)

Percent of countries with policies addressing [X]
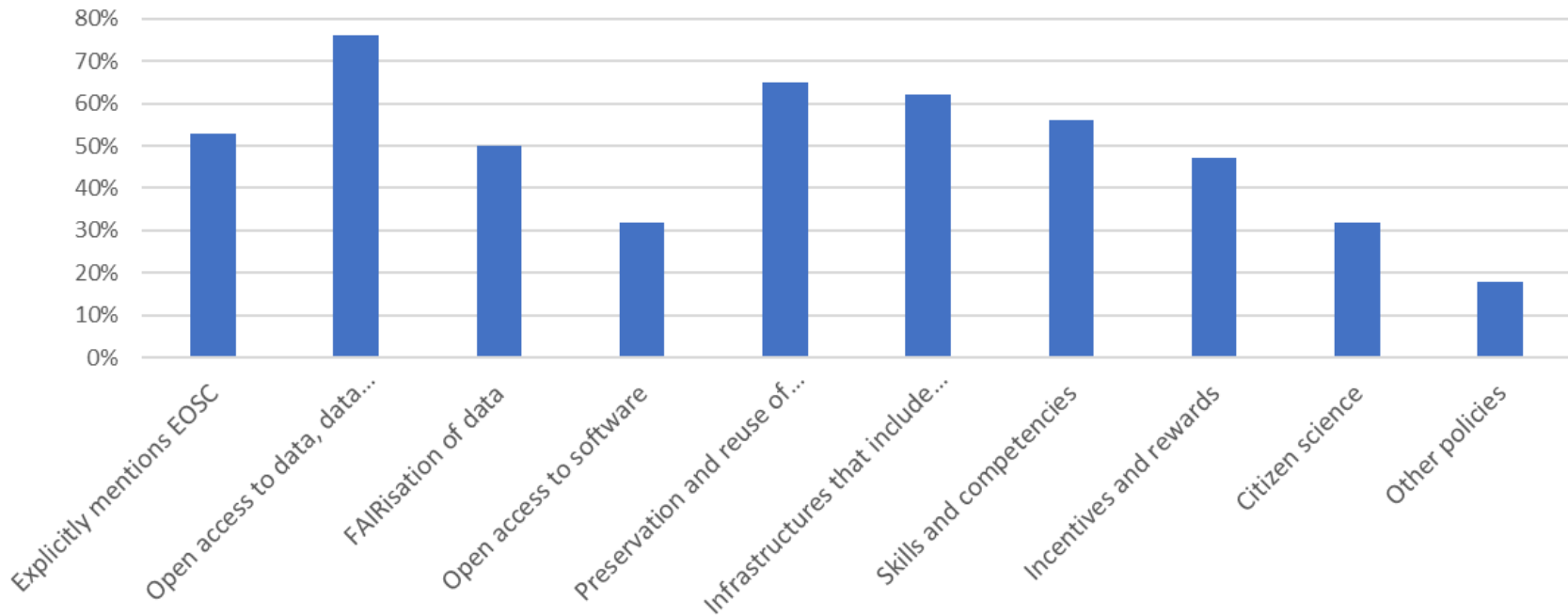
Use cases

Open science element	Number of MS/AC with use cases
Explicitly mentions EOSC	N/A
Open access to data, data management and/or FAIR	14
FAIRisation of data	11
Open access to software	7
Preservation and reuse of scientific information	16
Infrastructures that include aspects of Open Science	14
Skills and competencies	16
Incentives and rewards	5
Citizen science	9
Other policies	4

➢ **Catalogue of use cases**

EOSC SB survey on national contributions 2021

Variation in the Open Science elements being addressed by policies in the different countries.

- Most commonly addressed:

    - Open 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.

European Commission

Observatory - data from the EOSC SB survey 2021

Current dashboard:

- **EOSC-relevant policies**

- **Implementation measures**

- **Financial strategies** linked to policies and actions

- **Mandated organisations**

- **National monitoring / reporting**

- **Use cases**

European Commission

Thank you!