



# Monitoring framework for national contributions to EOSC and Open Science

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**#EOSC #EOSCTripartite  
#OpenScience #EUResearchArea**

*Research and  
Innovation*



# EOSC Steering Board survey on national contributions

Monitoring contributions to transitioning to making Open Science the new normal

- **National policies**, providing a frame and orientation for RPOs and RFOs
- **National investment** decisions at national and regional level

EOSC Steering Board subgroup

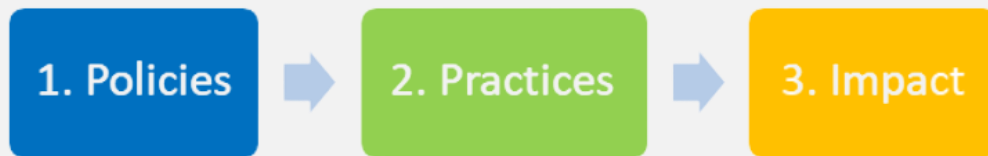
- **Benchmarking activities** on international, national, regional, and institutional level
- **Monitor the benefits** of Member States' and Associated Countries' policies to the EOSC and the benefits of EOSC to the national research communities.

Target group: Horizon Europe Member States and Associated Countries

RPO: Research Performing Organisation; RFO: Research Funding Organisation

# Monitoring framework for National Contributions to EOSC

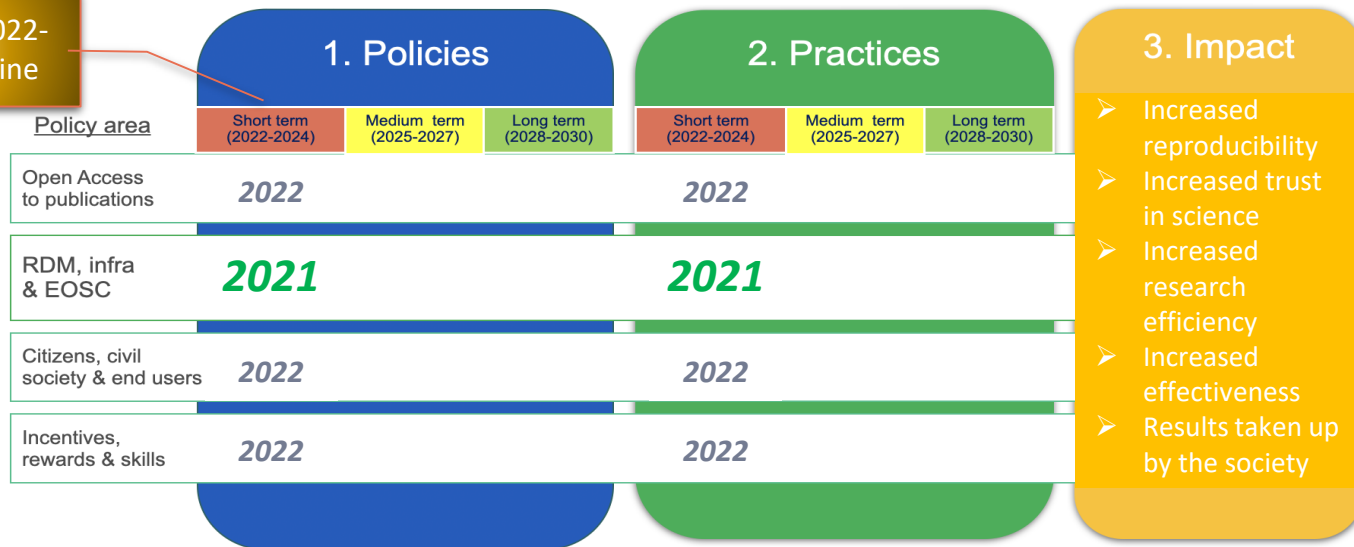
- **Aim: monitoring progress towards open science becoming the new normal by 2030.**
- What to monitor?



- Open Access to publications
- RDM, infrastructures and EOSC
- Collaboration with citizens, civil society and end-users
- Incentives, rewards and skills

# National contributions to EOSC – first pilot survey 2021

Short term 2022-2024 = baseline



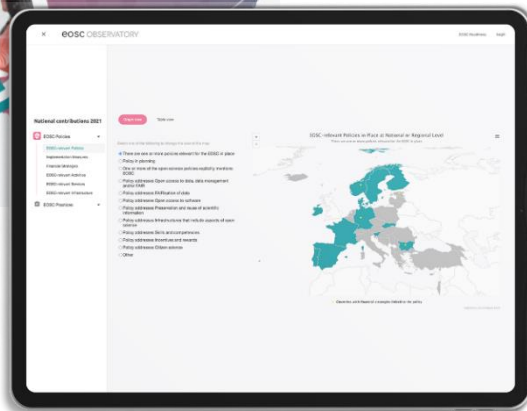
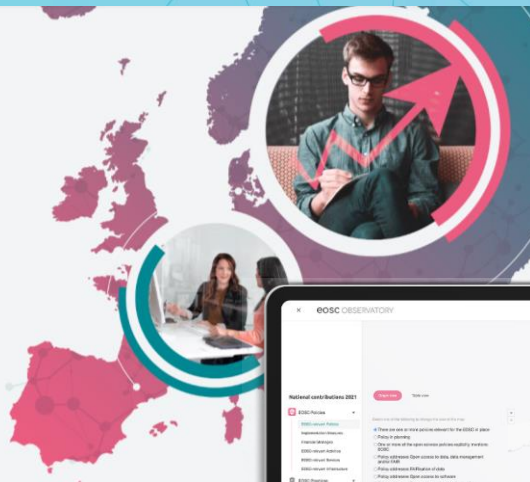
**Policy areas:** Research data management, research infrastructure and EOSC

**Level:** National

**Participation:** 34 out of 39 countries have validated the survey

# Online dashboard

## EOSC Observatory - Monitoring the European Open Science Cloud (EOSC)



➤ EOSC Steering Board survey 2021 - National contributions

<https://eoscobservatory.eosc-portal.eu/home>

# Online dashboard - National contributions to EOSC (2021)

## National contributions 2021



### **EOSC Policies**



#### **EOSC-relevant Policies**

#### **Implementation Measures**

#### **Financial Strategies**

#### **EOSC-relevant Activities**

#### **EOSC-relevant Services**

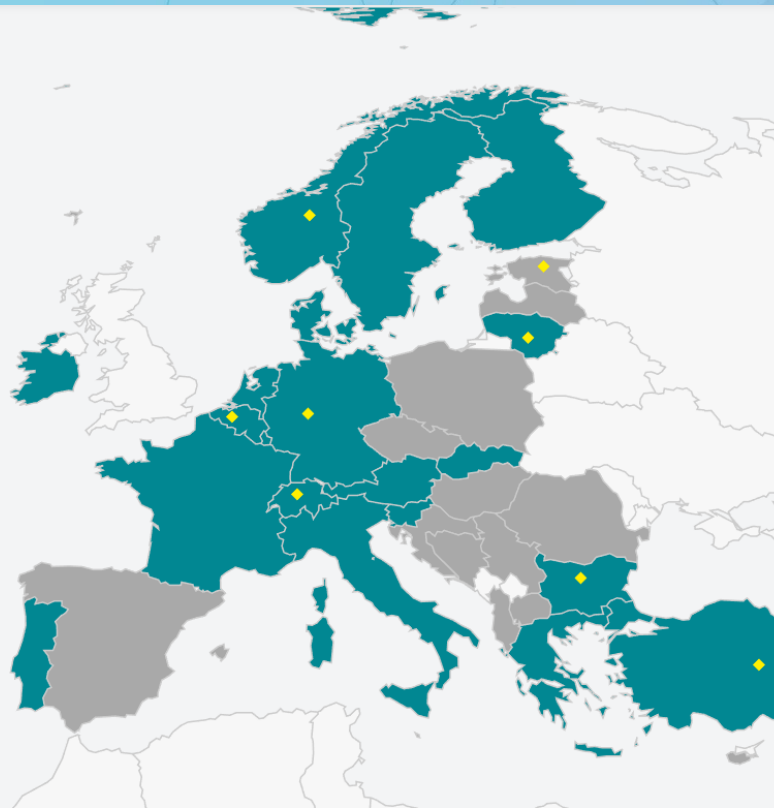
#### **EOSC-relevant Infrastructure**



### **EOSC Practices**



- ☒ 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 Infrastructures that include aspects of open science
- ☐ Policy addresses Skills and competencies



# Online dashboard - National contributions to EOSC (2021)

## National contributions 2021



EOSC Policies



**EOSC Practices**



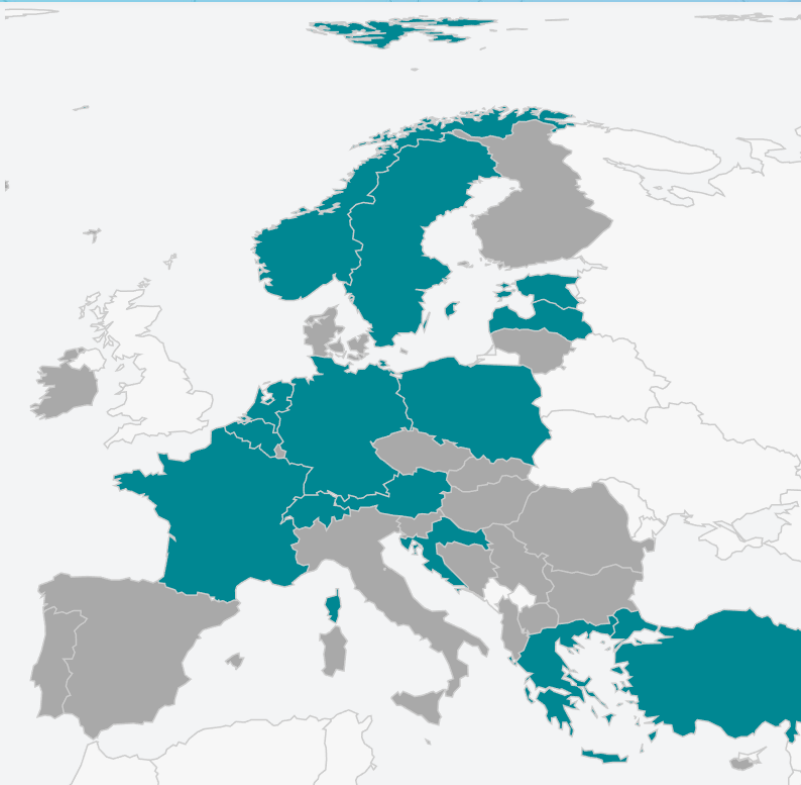
Mandated Organisations

National Monitoring

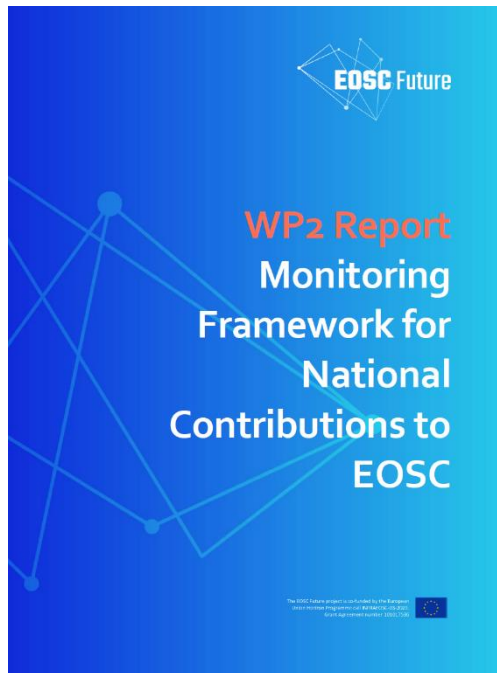
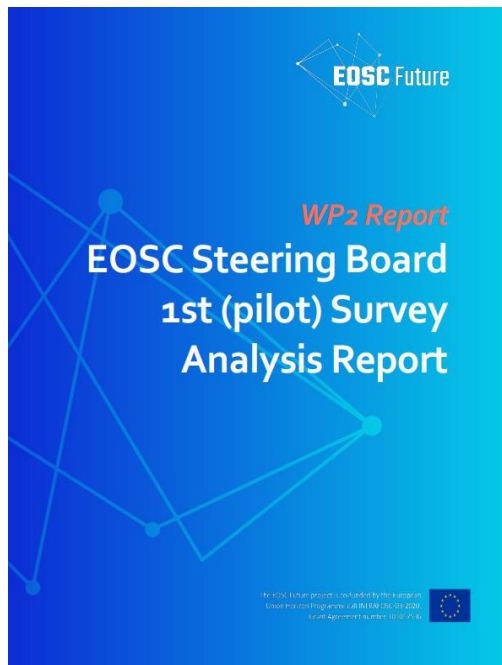
Monitoring Reporting

Use Cases

- ☒ Open Access to data, Research data management, and 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
- ☐ None
- ☐ Other



# EOSC SB survey 2021 - Reports



- EOSC Steering Board 1st (pilot) survey analysis report
- Monitoring framework for national contributions to EOSC



# Next iteration – Survey on National Contributions 2022

## Lessons learned 2021

- Keep it simple –easy to understand and accept
- Testing in the intended environment – again and again
- Interactive dashboard incentivises data
- Coordinate monitoring across levels (international, national, institutional) to be meaningful and avoid duplication
- Respect and calculate differences (organisational, languages, ..)
- Make the survey/monitoring tool self-explaining

# EOSC SB Survey 2022 - New indicator framework

## Open Science the new normal by 2030

1. Policies

2. Practices

3. Impact

Types of indicators

	POLICIES	PRACTICES
PUBLICATIONS	National Policy on X [Y/N] Financial Strategy on X [Y/N] RPOs with Policy on X [#] RFOs with Policy on X [#]	National Monitoring on X [Y/N] Best Practices on X [Y/N] Financial Investments in X [€] Output Indicator for X [#]
DATA		
SOFTWARE		
SERVICES		
INFRASTRUCTURE		
SKILLS/TRAINING		
ASSESSMENT		
ENGAGEMENT		

IMPACT

TBD

### Desired impact to monitor

- Increased reproducibility
- Increased trust in science
- Increased research efficiency
- Increased effectiveness
- Results taken up by the society



European  
Commission

# EOSC Steering Board Survey 2022

## Selected questions

Does your country have a

- **specific policy** on [X]?
  - Is this policy mandatory?

- **financial strategy** on [X]?

How many

- **research performing organisations** in your country have a policy on [X]?
- **research funding organisations** in your country have a policy on [X]?

Does your country have **use cases** on [X]?

How much did your country **financially invest** in [X] in (2021)?

## EOSC OBSERVATORY

### Sections

Publications

Data

Software

Services

Infrastructure

Skills/Training

Assessment

Engagement

**5. Does your country have a national policy on Open Access to publications?**

☐ Yes

☐ No

**5.6. Please clarify your response if relevant.**



European  
Commission

# EOSC Steering Board Survey 2022

## Selected questions

Does your country have a

- **specific policy** on [X]?
  - Is this policy mandatory?
- **financial strategy** on [X]?

How many

- **research performing organisations** in your country have a policy on [X]?
- **research funding organisations** in your country have a policy on [X]?

Does your country have **use cases** on [X]?

How much did your country **financially invest** in [X] in (2021)?

56. How many peer reviewed publications were published in Open Access in your country in 2021?

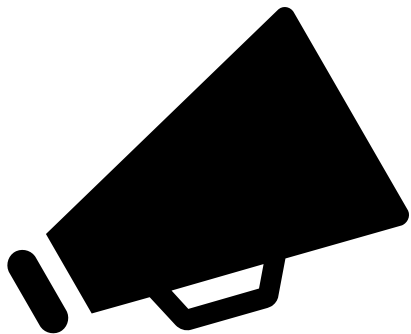
56.1. Do you agree with the number of publications collected from the OpenAIRE Open Science Observatory?

☐ Yes

☐ No

56.2. Please clarify your response if relevant.

# National Contributions to EOSC Survey 2022 now open!



- All member states are invited to answer its country's survey via the Observatory (closing date: 1 April 2023)
  - Invite contributors among your national experts!
  - Spread the word! All countries are welcome to participate.
- Benchmark and bench-learn together!



# Thank you!



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