



# Monitoring progress towards Open Science as the new norm - National Contributions to the EOSC

First results from the EOSC Observatory

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*EOSC Steering Board - subgroup "National contributions to the EOSC"*



# National Contributions to the EOSC

Survey on national contributions to the EOSC.

Tasks of the subgroup:

- a) benchmarking of activities on international, national, regional, and institutional level, to provide advice to the EOSC-SB on developing and implementing policies and supporting EOSC-ready infrastructures and initiatives; and providing contributions/investments and financing of EOSC relevant policies, infrastructures, and initiatives.*
- b) monitor the benefits of Member States and Associated Countries policies to the whole EOSC and the benefits of EOSC to the national research communities.*

## ERA Policy Agenda 2022-24

- **Action 1:** *Enable the open sharing of knowledge and the re-use of scientific outputs, including through the development of the EOSC*
- **Outcomes (...):** *Establish a monitoring mechanism to collect data and benchmark investments, policies, digital research outputs, open science skills and infrastructure capacities related to EOSC*

# The Open Science Monitoring Framework

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



# Monitoring aspects

## 1. Policies

N. of countries/regions, RFOs and RPOs where **policies are under discussion/adopted/implemented** and contain specific provisions per policy area

## 2. Practices

Capture **progress in open science practices** (e.g. for OA: share of OA publications, use of open licenses, etc.)

## 3. Impact

**Potential impact** produced by the policies and practices:

1. Increased reproducibility
2. Increased trust in science
3. Increased research efficiency
4. Increased effectiveness
5. Results taken up by the society

### Target

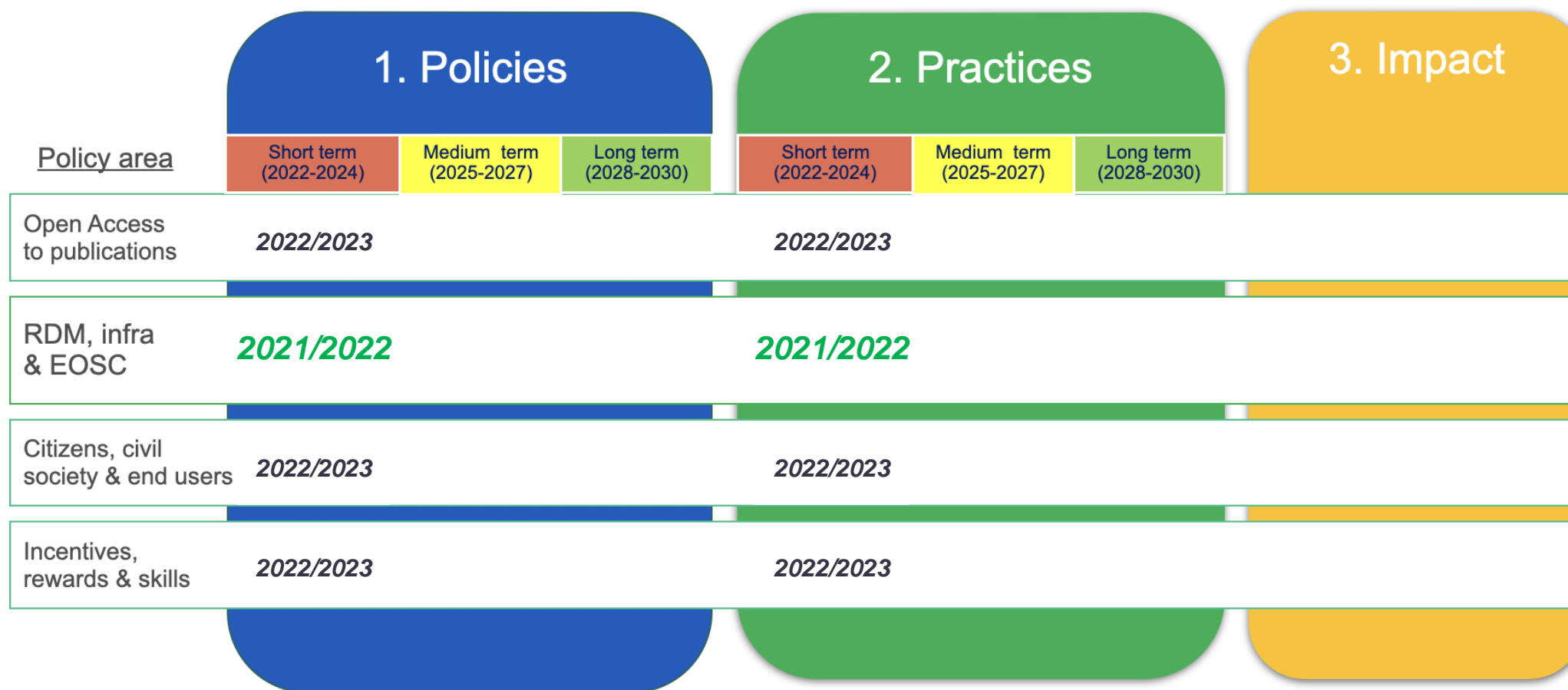
Short term  
(2022-2024)

Medium term  
(2025-2027)

Long term  
(2028-2030)

- ✓ EOSC-SB Members and Observers key for national coordination
- ✓ Avoid duplication, ease burden for contributors.
- ✓ Measure progress and analyse gaps to facilitate mutual learning.

# EOSC-SB monitoring development



# Open science monitoring with the EOSC Observatory

## **Monitoring open for 45 countries:**

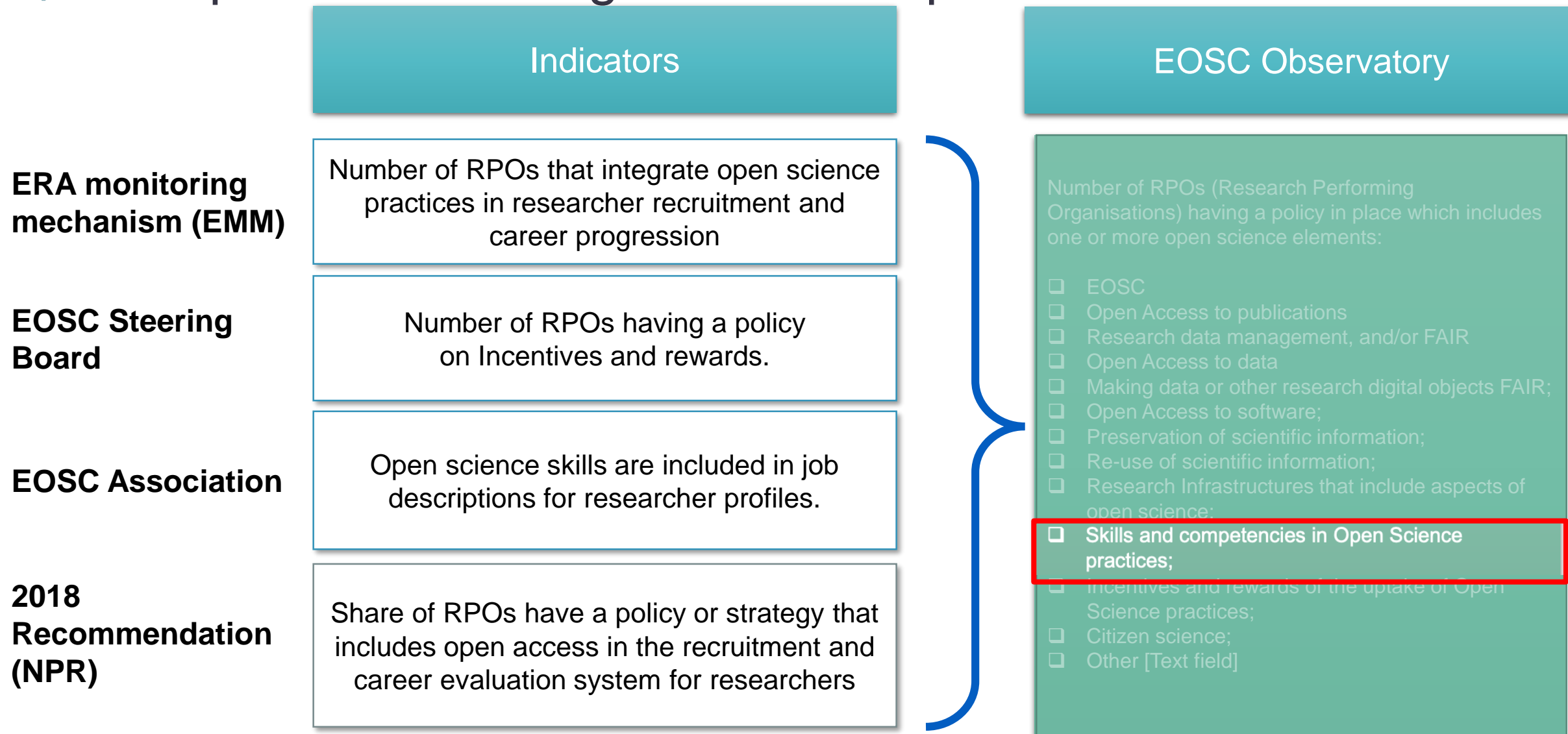
- 27 EU Member States (MS)
- 12 countries associated to Horizon Europe Framework Programme (AC)
- 5 countries with Observer status in the EOSC Steering Board expert group
- 1 other European country

## **Monitoring status April 2022**

- 13 countries are currently contributing with information (in progress)
- 4 countries have validated the full survey already (finalised for now)

Interested countries can  
apply to join the Open  
Science monitoring via  
[RTD-EOSC@ec.europa.eu](mailto:RTD-EOSC@ec.europa.eu)

# Coordination of open science monitoring initiatives: example of measuring institutional practice





# Example on first results April 2022 (skills)



## Indicator targeting

### **national policies:**

*Share of countries with national policy on skills and competencies:*

- EU27: **8/27**
- HE (EU27+ACs): **8/39**

## Indicator targeting

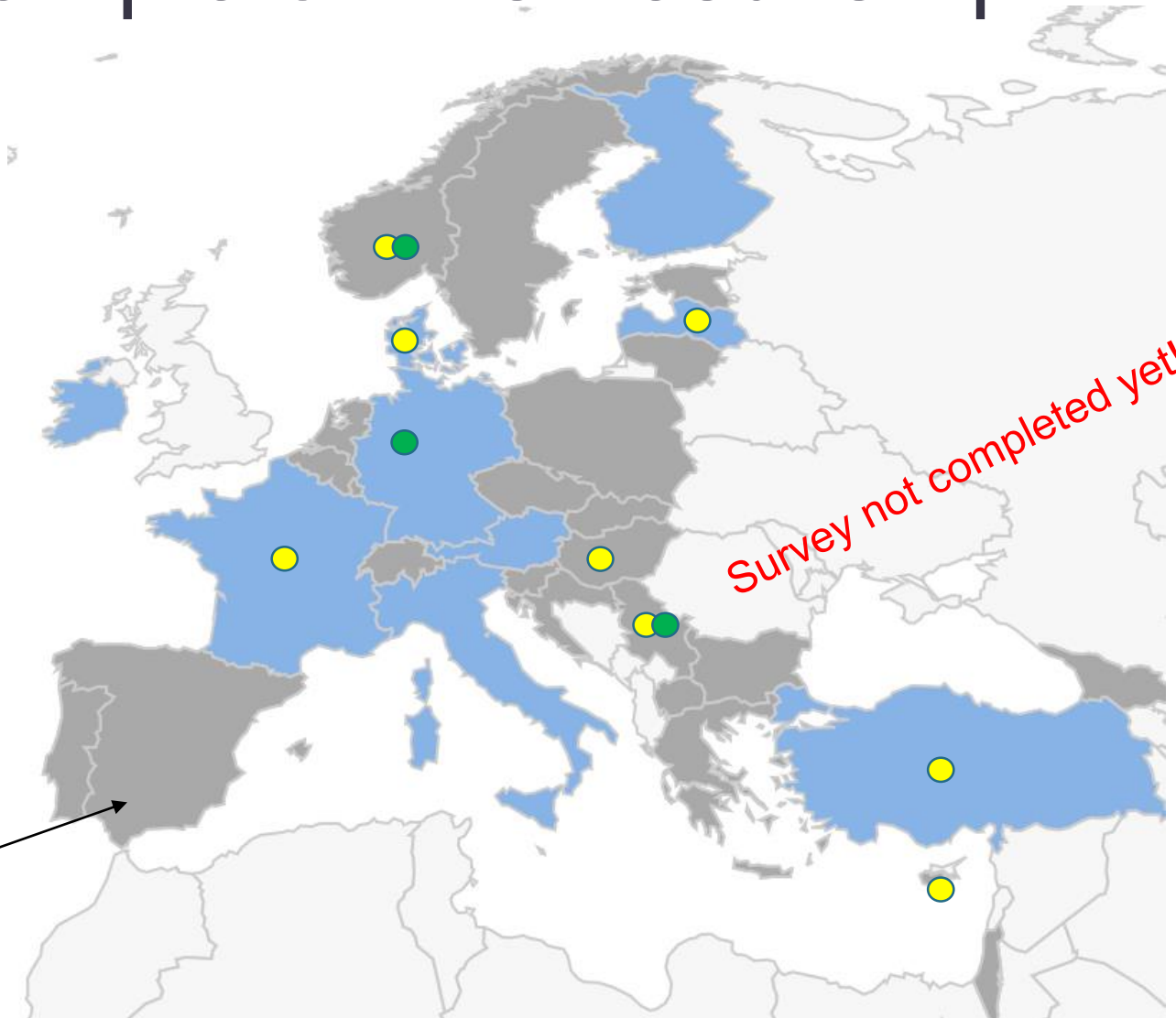
### **operational practice:**

*Countries having use cases and best practices on skills and competencies:*

- EU27: **2/27**
- HE: **5/39**



# Example on first results April 2022 (infra)



## Indicator targeting

### national policies:

Share of countries with national policy on research infrastructures that include aspects of open science:

- EU27: **8/27**
- HE (EU27+ACs): **9/39**

Share of countries with financial strategies for EOSC-relevant

- (i) e-infra (such as computing and data centres),
- (ii) national or
- (iii) European research infras:

- EU27: **5/27**
- HE (EU27+ACs): **8/39**



## Indicator targeting

### operational practice:

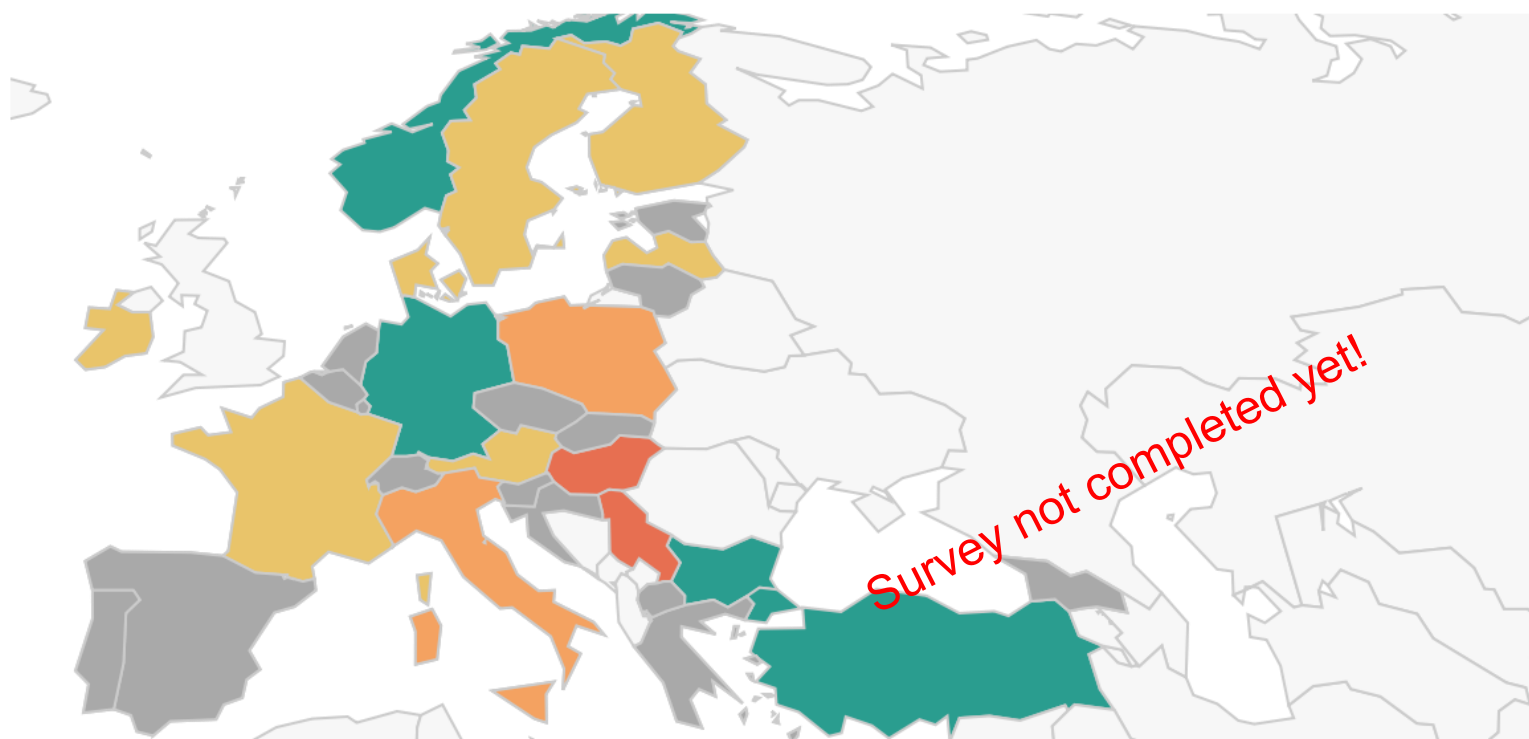
Countries having use cases and best practices on research infrastructures that include aspects of open science:

- EU27: **1/27**
- HE (EU27+ACs): **3/39**



# Interactive visualisations in EOSC Observatory

Does the country have dedicated financial contributions to the EOSC linked to the policies?



● Yes ● Partly ● In planning ● No ● Awaiting data

Total volume of financial contributions for 2020 to the EOSC

**40.39 M**

Amount of funds allocated to current EOSC Association Members (including Mandated Organisations)

**17.94 M**

Amount of funds allocated to organisations which are now not members of the EOSC Association

**21.08 M**

# Monitoring National Contributions to the EOSC

- Understand to what extent open science policies and practices are progressively implemented
- Assess and deepen understanding of the positive impacts brought by these policies and practices.
- Mutual learning through more data, in-depth discussions and matchmaking of policies, strategies and best practices
- Next iteration: extended survey including all open science elements and content

# Thank you!

EOSC SB subgroup "*National contributions to the EOSC*"

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