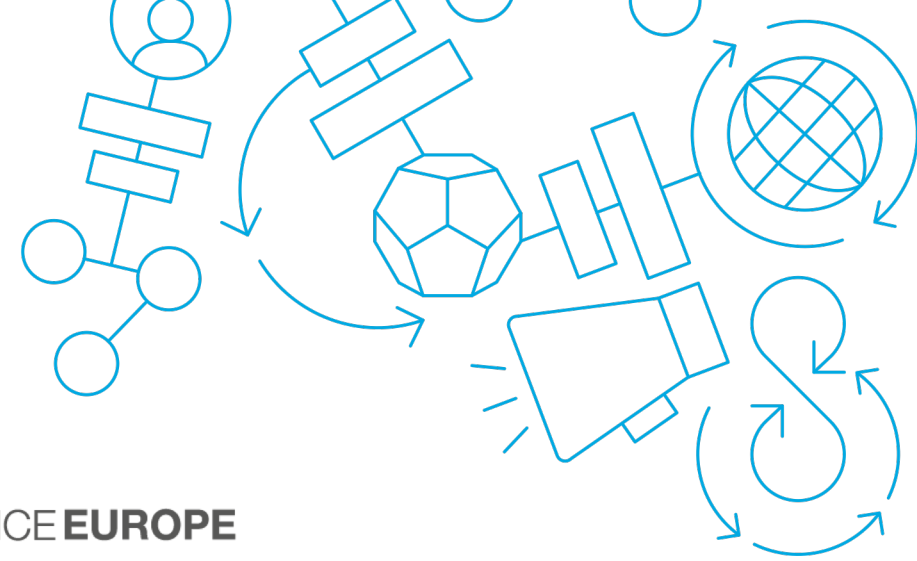**WEBINAR, 23 JUNE 2021**

FAIRSFAIR NATIONAL ROADSHOW SERIES

LIDIA BORRELL-DAMIAN, SECRETARY-GENERAL

SCIENCE EUROPE

STRATEGIC PRIORITIES

SCIENCE **EUROPE**

MISSION

Define long-term perspectives for European research and champion best-practice approaches, ensuring high quality science for the benefit of humanity and the planet.

OPEN SCIENCE IN THE NEW SCIENCE EUROPE STRATEGY 2021-2026
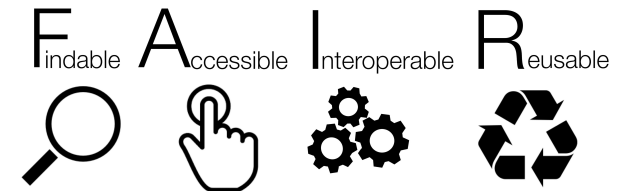
- Open Science is a cross-cutting topic, addressing all three strategic priorities:

  - **Shape European research policy developments**

    - continue supporting members in the development of Open Science policies and practices through guidance, mutual learning, and the sharing of good practices

    - promote Open Science at the highest policy and political EU levels and globally, but also at practical and implementation level.

  - **Contribute to the evolution of research culture**

    - reappraise and align the cultures of research with agreed upon values, such as openness

    - promote the adaptation of recognition mechanisms accordingly

  - **Strengthen the role and contribution of science in tackling societal challenges**

    - foster greater engagement between researchers, policy makers, and society at large

https://scieur.org/strategy

3

OPEN SCIENCE IN SCIENCE EUROPE

- Science Europe has been promoting Open Science for many years:

    - Open Access to scholarly publications

    - FAIR research data / data sharing / research data management

    - Engagement in the development of the European Open Science Cloud (EOSC)

    - For last two years: additional enhanced focus on sustainability of research data

- The importance of Open Science is also evident in the recently adopted Science Europe Strategy for the next five years.

4

FAIR DATA SHARING

- FAIR (findable, accessible, interoperable, and re-usable) data sharing is a key aspect within the broad Open Science priority

- Science Europe has taken different steps to support FAIR data sharing:

  o Support the development of **organisational agendas for research data** to create a framework in which data can be shared in a sustainable way (long-term access, preservation and interoperability)

  o Providing clear **research data management (RDM) guidance** for researchers

  o Supporting research performing organisations (RPOs) and research funding organisations (RFOs) to **establish aligned policies and practices**

  o Supporting evaluators to **assess RDM activities**

AN AGENDA FOR SUSTAINABLE RESEARCH DATA

- **Sustainability of research data**: long-term preservation, accessibility and interoperability

- Sustainable research data is the **bedrock of long-term FAIR data sharing**

- **Comprehensive organisational strategies** are needed that include a strong commitment to research data management

- Sustainable research data is a **joint responsibility**:

  o Research funding and research performing organisations and research data infrastructures have a key role.

  o Sustainable research data cannot be achieved in silos:
    While each organisation needs to develop its own strategies, these strategies should be aligned with other stakeholders.

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ACHIEVING SUSTAINABLE RESEARCH DATA: MATURITY MATRICES FOR RFOS, RPOS AND RDIS

- **Six main areas:**

  - Organisational commitment

  - Policy environment

  - Technical preparedness

  - Financial support

  - Training

  - Communication and awareness raising

Three progression steps

- Plans to develop

- Development ongoing

- Developed at organisational level

Additionally: Further advancement and alignment

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PRACTICAL GUIDE TO
SUSTAINABLE RESEARCH DATA
Maturity Matrices for Research Funding Organisations,
Research Performing Organisations, and
Research Data Infrastructures

SCIENCE EUROPE

June 2021

https://scienceeurope.org/our-resources/practical-guide-to-sustainable-research-data/

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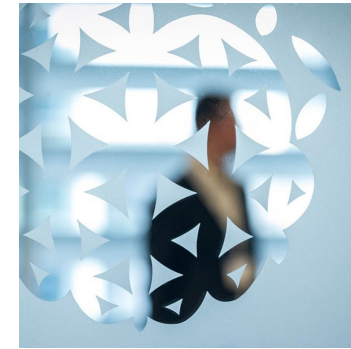
GUIDANCE ON RESEARCH DATA MANAGEMENT

- Researchers, their home institutions and their funders all play important roles in RDM.

- Guidance is provided:

  o For RPOs and RFOs on how to develop RDM policies and requirements that are aligned with those of other organisations and easy for researchers to follow

  o For researchers on how to manage their data throughout and beyond the research process.

  o For reviewers on how to evaluate data management plans (DMPs)

2nd edition, January 2021

https://scienceeurope.org/our-priorities/research-data/research-data-management/

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SCIENCE EUROPE ACTIVITIES IN EU DEVELOPMENTS

- Science Europe is engaged and strongly **promotes the development of the European Open Science Cloud (EOSC).**

- Science Europe activities around research data are conceived to contribute to the successful deployment of EOSC through **standard setting** and **aligned approaches**.

- To harmonise policies and practices as much as possible, Science Europe not only supports **alignment among its Member Organisations** and other research organisations, but is also in continued **dialogue with the European Commission** on the Open Science and RDM requirements in Horizon Europe.

- Horizon Europe requirements are largely in line with Science Europe recommendations.

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OPEN SCIENCE AND DATA SHARING IN HORIZON EUROPE

- Data management requirements in Model Grant agreement
  - Data must be FAIR and 'as open as possible, as closed as necessary', metadata must be open
  - DMPs are requested and must be regularly updated
  - Data must be deposited in trusted repository (in specific cases repository must be federated in EOSC)
- New definition of excellence
  - includes 'Open Science practices including sharing and management of research outputs, such as data
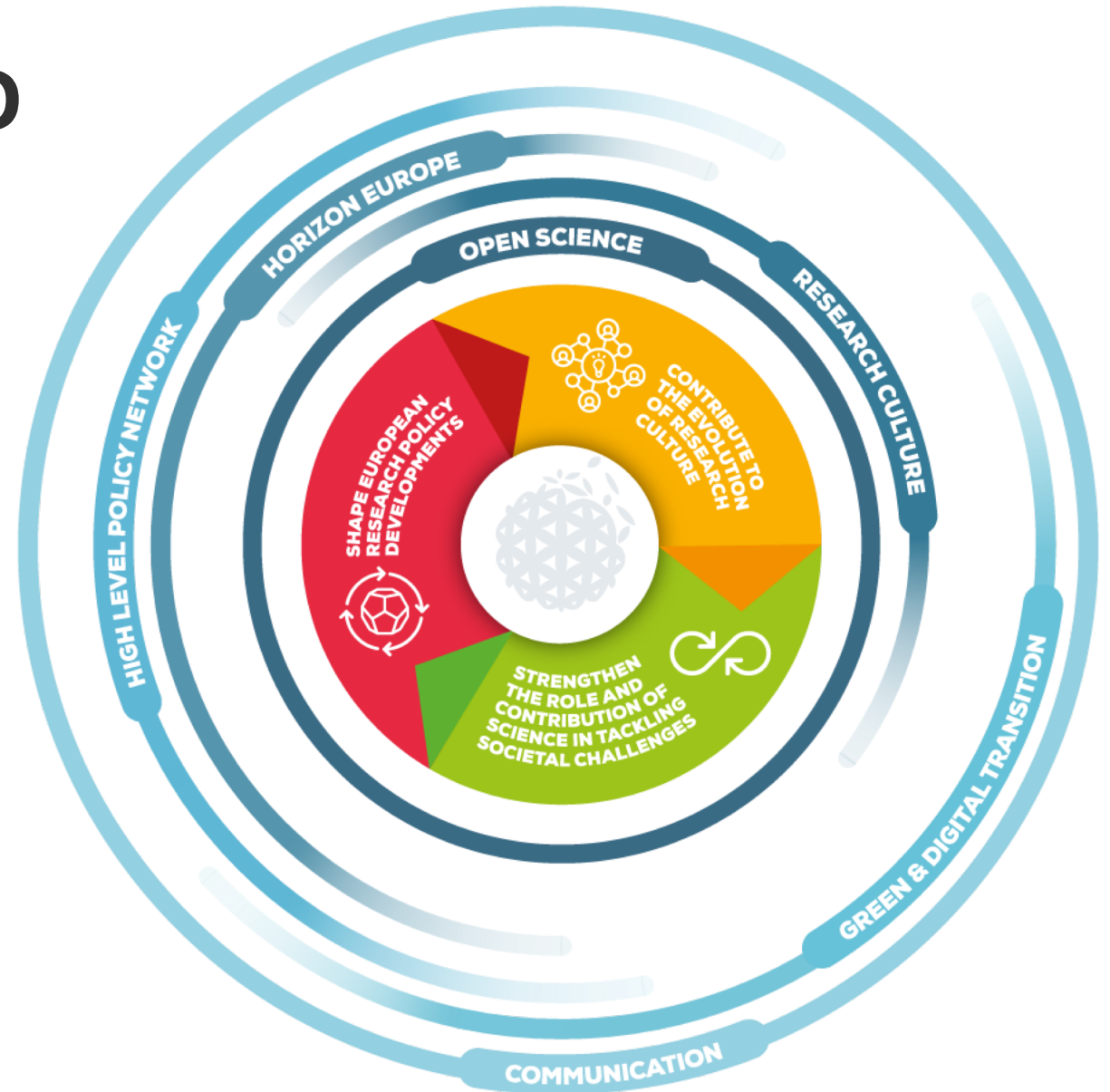- Applicants must describe their Open Science practices and expertise in project proposals

LOOKING AHEAD…

- Science Europe will continue to closely follow Open Science developments on European level (Horizon Europe, EOSC, UNESCO, …) and

  o **Analyse its Member Organisations' needs**

  o **Explore opportunities** for effective contributions, collaboration and alignment

  o **Collaborate** with its Member Organisations, the European Commission, research stakeholders and initiatives such as FAIRsFAIR that **share the aim of promoting Open Science**.

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WORKING GROUPS AND TASK FORCES

- Open Science

- Research Culture

- Horizon Europe

- High Level Policy Network

- Green and Digital Transition

- Communication

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Thank you for your attention!