



SETTING AN 'AGENDA FOR RESEARCH DATA' –

**THE RESPONSIBILITY OF RESEARCH ORGANISATIONS TO ENSURE
SUSTAINABLE RESEARCH DATA AND ADVANCE OPEN SCIENCE**

WEBINAR, 2 JUNE 2021

**JOINTLY TOWARDS SUSTAINABLE
RESEARCH DATA**

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THE IMPORTANCE OF OPEN SCIENCE FOR UKRI

- Open research is a strategic priority for UKRI as part of its wider activity on research culture
- As the UK's largest public funder we work with UK and international stakeholders to promote open research throughout our activities to:
 - support transparency, verification and reproducibility, research integrity, re-use and innovation
 - enhance collaboration within and across disciplines, domains and sectors
 - deliver economic and social benefit

UK Government R&D Roadmap (July 2020):

To drive better and more efficient research and innovation...

"we must embrace the potential of open research practices by mandating open publication, strongly incentivising open data sharing where appropriate, ensuring more modern research outputs are recognised and rewarded, and considering the case for new infrastructure to enable more effective sharing of knowledge between researchers and with industry to accelerate open innovation where possible"



**UK Research
and Innovation**

WHAT IS UKRI DOING TO FOSTER OPEN SCIENCE?

UKRI's ambition is to lead improvements through policy, practice and technological innovations to achieve an open research system that operates internationally

- Three strands: **Open access** to publications; **Open data**, software, methods and protocols; **Open culture** by reforming incentives and research assessment, recognising and supporting related skills and teams

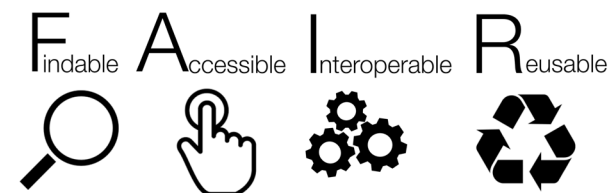
Current activities

- Finalising our **Open Access policy review** – to be published soon
- Working internationally: **cOAlition S** – providing full and immediate open access to research publications
- Developing strategy and actions to achieve the **FAIR data principles** – working internationally e.g. with OECD
- Supporting **FAIR skills** e.g. Innovation Scholars: Data Science Training in Health and Bioscience
- Focusing on **rewards and incentives** in response to the Declaration of Responsible Research Assessment (DORA) e.g. grant applications & review; leading G7 work to identify practical open research incentives
- **COVID-19**: Open research requirements for UKRI-funded research; assessing lessons to inform better data management and sharing; jointly-commissioned project to assess the impact of rapid research sharing (UKRI, Wellcome & Gates)
- Fully engaging in **Science Europe** activities



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.



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

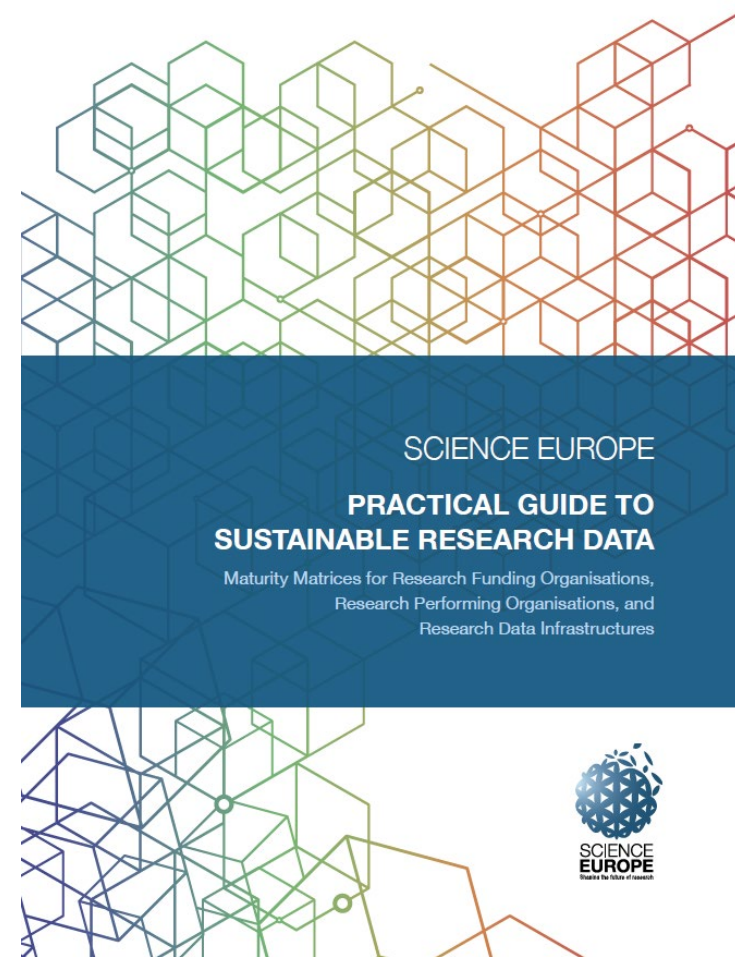


**DRAFT
STRATEGY PLAN
2021-2026**



THE NEW PUBLICATION...

- ... aims to foster sustainability of research data: long-term preservation, accessibility and interoperability
- After the topic has been discussed extensively and inconclusively for many years,
- the new publication aims to
 - address this issue by providing guidance towards practical approaches and solutions
 - advance discussion and collaboration among research stakeholders
 - support organisations to develop their 'agenda for research data'



AN AGENDA FOR RESEARCH DATA

- Comprehensive organisational strategies that include a strong commitment to research data management
- Setting frameworks that enable efficient and long-term data sharing
- Various aspects should be addressed in an agenda for research data, such as
 - Organisational policies
 - Capacity building (technical needs, financial support, skills, ...)
 - Communication and awareness raising

JOINT RESPONSIBILITY

- Sustainable research data is a joint responsibility, it should not be seen as 'someone else's problem'.
- 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.

Science Europe wants to contribute to making research data sustainable and encourage organisations to take up their responsibility together.