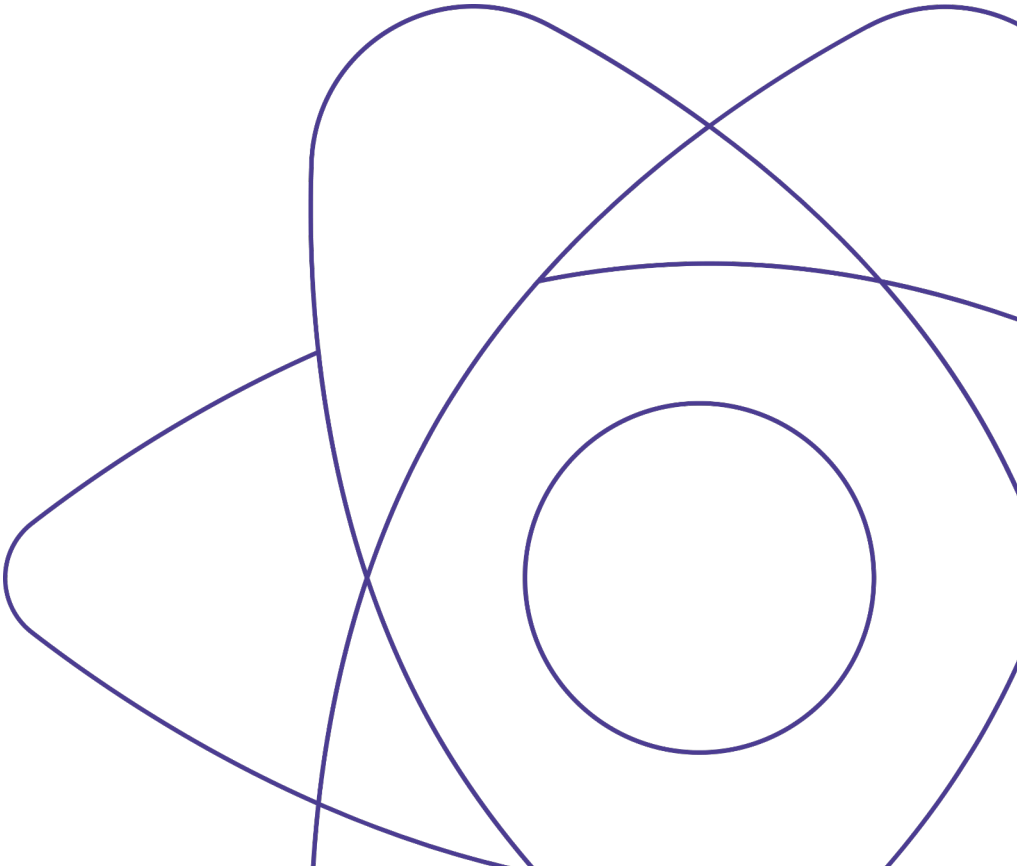
Global
Research
Initiative on
Open Science

Towards evidence-based Open Science policies

An initiative to advance meta-research on Open Science

https://grios.org



Why is this important?

- Open Science is hailed as a more inclusive, equitable and effective form of performing science, increasing the benefits to the global research community and society at large.
- Many research funders, research organisations, as well as national and international authorities have adopted Open Science policies.
- However, it remains challenging for these stakeholders to implement Open Science strategies and decide among different models e.g. for funding, monitoring, evaluation, and infrastructure choices.
- There is also a need to identify remaining key barriers towards the global adoption of Open Science.
- There is thus a pressing demand for the **implementation of Open Science strategies to be based on evidence provided by existing scientific knowledge** and for more research to be conducted where knowledge gaps exist.
- Providing scientific evidence for the merits and benefits of Open Science is also important for informing political decision-makers and the broader public and for boosting its adoption within the research community.

GRIOS is an initiative to review the existing evidence and ongoing research on Open Science and provide stakeholders with in-depth analysis of the state of the art of our knowledge on Open Science. This will **enable funders, research organisations, and policymakers to increase the efficiency and maximize the impact of their Open Science strategies.**

In addition, GRIOS aims to identify important knowledge gaps and federate the global research-on-Open Science communities around a common research programme.

GRIOS is focusing on meta-level knowledge, which is currently lacking in the global Open Science community.

What will GRIOS deliver?

1. **Produce in-depth reviews of existing research on Open Science worldwide**, in order to synthesize current knowledge and identify opportunities and challenges;
2. **Formulate recommendations for Open Science policies based on the results of the scientific research** highlighted by the reviews;
3. **Propose a research agenda to fill gaps in current knowledge on Open Science** and promote new research on the subject.

How will GRIOS operate?

The initiative will be led by a consortium of research institutions, funders, science policy institutions and, generally, organizations that have an interest in implementing evidence-based Open Science policies. The consortium will partner with scientists and practitioners in the metascience field to generate the reviews and recommendations.

Who initiated GRIOS?

GRIOS responds to the call by the G7 Science and Technology Ministers for initiatives that leverage the results of scientific research to inform Open Science public policy.

The initiative is supported by the French National Open Science Fund, and the office is hosted at the European Science Foundation in Strasbourg, France.

Why should you join GRIOS?

The success of the initiative hinges on its truly global reach, therefore we welcome partners from all over the world. Contributing partners will be able to participate in the governance of GRIOS, set the agenda and priorities, and ensure uptake of the recommendations resulting from the work. We are seeking partner organisations to join GRIOS and support its activities to ensure that it can address the most pressing knowledge gaps and the main policy priorities.

To date, the French Ministry of Higher Education and Research and the French National Open Science Fund have provided seed funding of 400'000 EUR to cover the initial setup of the project. Contributions from additional partners and supporters will allow us to launch the work of the Open Science review task forces and other activities.

We would welcome contributions between 6'250 EUR to 200'000 EUR/year, depending on each organisation's ability to contribute.

Minimum expected support level	Organisations based in developed economies*	Organisations based in economies in transition*	Organisations based in developing economies*
Leader	50'000 EUR	25'000 EUR	12'500 EUR
Regular	25'000 EUR	12'500 EUR	6'250 EUR

*as defined by the United Nations World Economic Situations and Prospects 2021 annual report

How does GRIOS align with other Open Science initiatives?

GRIOS complements and aligns with existing Open Science efforts, by focusing on meta-level knowledge, which is currently lacking in the global Open Science community. Rather than producing primary research, GRIOS synthesizes existing knowledge into recommendations that are useful to all those that need to implement Open Science strategies.

What are the key milestones and timeline of GRIOS?

2024
setting up the project office and securing sustainable funding

2025
- setting up the governance bodies
- identifying priorities and research questions
- setting up research task forces

2027
first synthesis report published

More information

The GRIOS proposal

https://www.ouvrirlascience.fr/global-research-initiative-on-open-science-publication-of-a-french-proposal-to-strengthen-evidence-based-open-science-policies

Further reading

- G7 Science and Technology Ministers' Communiqué (Sendai, Japan, May 13, 2023): https://www8.cao.go.jp/cstp/kokusaiteki/g7_2023/230513_g7_communique.pdf
- Matthew Cloutier, Marin Dacos. **Report of the G7 Open Science - Research on Research Sub-Working Group**: Prepared for the G7 Open Science Working Group. Comité pour la science ouverte. 2023. <hal-04415049>. DOI: 10.52949/32

Get in touch

Nóra Papp-Le Roy
Coordinator

Global Research Initiative on Open Science (GRIOS)

European Science Foundation
1, quai Lezay-Marnésia - BP 90015 67080
Strasbourg cedex – France
Email: npappleroy@esf.org