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Open Science

66th Online Seminar

Policy for Open Science

Helmholtz Association,
Helmholtz Open Science Office

Online, January 17, 2023

On the Importance of Open Science Policies

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Do we need Open Science Policies?

- So many guidelines, policies, recommendations, rules, regulations, requirements, …
- Institutional, funders, publishers, …

Do we need Open Science Policies?

- Open Access policies are established (https://open-access.network/en/services/oaatlas)
- Open Research Data related policies: growing

- But Open Science?

Open Science

- Open Science is a broad cross-cutting subject

- UNESCO recommendation defines

   "For the purpose of this Recommendation, open science is defined as an inclusive construct that combines various movements and practices aiming to make multilingual scientific knowledge openly available, accessible and reusable for everyone, to increase scientific collaborations and sharing of information for the benefits of science and society, and to open the processes of scientific knowledge creation, evaluation and communication to societal actors beyond the traditional scientific community. It comprises all scientific disciplines and aspects of scholarly practices, including basic and applied sciences, natural and social sciences and the humanities, and it builds on the following key pillars: open scientific knowledge, open science infrastructures, science communication, open engagement of societal actors and open dialogue with other knowledge systems."

Open Science

- Cultural change in scientific working methods, organization, and communication.

- Expands transparency and the possibilities for quality assurance, increases the performance of science, and promotes innovations based on scientific findings.

- A tool to advance science in a digital world.

Open Science: from Silos to Ecosystems

- Ecosystem of stakeholders
  - Open Science policies can facilitate interaction between a variety of actors (from science, science management, infrastructure)
- Ecosystem of technical frameworks
  - Open Science policies can facilitate the interaction between infrastructures
- Ecosystem of processes
  - Open Science policies can facilitate overarching linkage of workflows

A tool to advance science in a digital world on institutional, organizational, national level.

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Keep in touch

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- Mailing list for members of Helmholtz –
  Helmholtz Open Science Professionals

- Open Science Newsletter

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Thank you for your attention!

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