

Helmholtz Open Science Policy: Implementing the UNESCO Recommendation on Open Science

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Open science promotes innovation, improves the transfer of knowledge to society and the economy, and ensures quality and transparency in research. The Helmholtz Association, Germany's largest research performing organization, has thus adopted an Open Science Policy in September 2022 [1].

This policy supports openness as a central endeavor of science and makes open science the standard for scholarly publications, research data, and research software in Helmholtz. Essentially, the policy takes up the "UNESCO Recommendation on Open Science"[2] as well as the EU Commission's open science funding policy in the current Horizon Europe research framework program. Furthermore, the policy is guided by the principles of transparency, quality assurance, and sustainability.

Currently, already 82 percent of Helmholtz scholarly articles are accessible via open access. Open research data are published; the Helmholtz Centers e.g., participate in the European Open Science Cloud (EOSC) and National Research Data Infrastructure (NFDI). Central, too, is the open publication of research software to promote the reproducibility of scientific results.

Our contribution presents a comprehensive and practically informed perspective on how to implement open science, working together with numerous stakeholders within research performing organizations such as Helmholtz to guide the cultural change towards openness.

This process is not only inspired and supported by the UNESCO Recommendation on Open Science; also, the cultural change towards openness is enabled in a multifaceted and global manner. In this contribution and the ensuing discussion, there will thus be ample opportunity to discuss open science and its implementation; the target audience are researchers, administrators, and infrastructure professionals, as well as all further interested persons.

References

[1] Helmholtz Association (2022): Helmholtz Open Science Policy.

[2] UNESCO (2021): UNESCO Recommendation on Open Science. <https://unesdoc.unesco.org/ark:/48223/pf0000379949.locale=en>

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Helmholtz Open Science Policy, Implementation, UNESCO

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