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Keynote 1: Open Science and Reproducibility

Tuesday 14 February 2023 09:40 (20 minutes)

Open Science comprises a range of scientific work practices that make research transparent and comprehensible. It is thus closely related to reproducibility as a cornerstone for the trustworthiness of research. The publication of and access to research data and software is indispensable in this context in order to be able to understand the results. The FAIR principles developed for research data have now also been transferred and adapted to research software. Many existing local and topic-specific initiatives want to promote cultural change in science towards open science and thus increase the quality of scientific work and the robustness of results. In the lecture, the role of the German Reproducibility Network GRN as a platform for networking such groups will be presented, so that different scientific communities can learn from each other and thus go step by step on the way to more reproducibility.

Presenter: FRITZSCH, Bernadette (AWI)

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