

How to support scientists in research data management –experiences from the DAM research missions

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Data managers are essential to support scientists for successful research data management along the whole data life cycle. At the same time, scientists as well as data managers face various challenges such as the reduction of funding and therefore missing personnel and a lack of time for data management. As part of the DAM project “Underway” Research Data, a working group has formed consisting of leading data managers of the DAM research missions, members of the PANGAEA “Data Publisher for Earth & Environmental Science” editorial team, as well as the DAM core area “Data management and digitalization”. As this working group, we aim to support scientists involved in the DAM research missions to make their research data FAIR - Findable, Accessible, Interoperable and Reusable. Regularly, we discuss the various challenges in research data management, develop and offer solutions and formulate recommendations. We offer regular information and training events for scientists and consortia data managers of the missions e.g. on the general principles of FAIR data handling, DAM-related activities such as the visualisation of data in the Marine Data Portal, and data archiving in PANGAEA. During our work in the DAM research missions, we have learned that engaged data managers, good communication and training, as well as practical technical solutions for research data management are the most important factors to support scientists to publish their data FAIRly.

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