

MOSAiC Data Policy

12 February 2019

This policy regulates data archival, release, usage, and acknowledgement; it is a condition for participation in MOSAIC field operations and the MOSAIC consortium.

Data storage and sharing: Data will be stored on the MOSAIC central storage (MCS) on board Polarstern, mirrored at AWI-Bremerhaven. The Bremerhaven MCS will be the platform for sharing data in the MOSAIC consortium during and after the expedition. Only consortium members have open access to the data prior to data publication and public release. Principles to support good scientific practice apply, while explicit data handling regulations of participating institutes, funding agencies, and data centers will be respected.

Internal (MOSAIC Consortium) release and usage: All quality-assured automated sensor and fast analysis sample data is made internally available prior to **31 Jan 2021**; a primary subset of laboratory sample analysis data will be made available prior to **31 July 2021**; The full collection of laboratory sample analysis data will be made available prior to **31 Jan 2022**. To ensure quality, correct interpretation and fair usage of data during this internal release period, the PIs of data sets must be contacted prior to usage in a publication. Manuscripts must be communicated to the full consortium, via the coordination office, for informational purposes in advance of submission to a journal. Data sets included in a publication must be cited (author, title, DOI). Publication of data sets, resulting in assignment of a DOI, is the responsibility of the PI for the given data set. Authorship conflicts will be resolved by the MOSAIC Project Board, possibly in consultation with external experts.

Public release and usage: On or before **1 Jan 2023** all MOSAIC data will be made publicly available with a citable DOI in a certified data repository following the FAIR Data Principles. The MCS or its follow-up system will be opened for free access. At this point best practices and an inclusive approach are encouraged for data usage. Accordingly, co-authorship on publications and other public documentation must be offered to those that have made a substantial contribution to: a) the intellectual conception or design of research; b) the acquisition, analysis, or interpretation of the data; and/or c) the drafting or significant revision of the work. Co-authors should understand the content of the work, be accountable for at least a particular section of the work and approve of the final draft. Lead authors have the ultimate decision authority and responsibility to identify and appropriately engage co-authors. Contributors to the work that do not warrant co-authorship should be identified by name in the acknowledgements.

Acknowledging MOSAIC in general: All publications and other public documentation using MOSAIC data shall at a minimum include the acknowledgement: *"Data used in this manuscript were obtained as part of the international Multidisciplinary drifting Observatory for the Study of Arctic Climate (MOSAIC) expedition."* Additional, specific acknowledgements of data providers, institutions, and funders should also be included as appropriate. ⁱ

Acknowledging Research Platforms:

All publications should cite the article concerning the respective research platform:

Polarstern: Alfred-Wegener-Institut Helmholtz-Zentrum für Polar- und Meeresforschung. (2017).

Polar Research and Supply Vessel POLARSTERN Operated by the Alfred-Wegener-Institute. Journal of large-scale research facilities, 3, A119. <http://dx.doi.org/10.17815/jlsrf-3-163>

Polar5 and Polar6: Alfred-Wegener-Institut Helmholtz-Zentrum für Polar- und Meeresforschung. (2016). Polar aircraft Polar5 and Polar6 operated by the Alfred Wegener Institute. Journal of large-scale research facilities, 2, A87. <http://dx.doi.org/10.17815/jlsrf-2-153>

More extensive details are given in the full MOSAiC data policy document.

Name	
Institute	
eMail	

Hereby I declare, as a registered MOSAiC Consortium Member, that I will abide by the MOSAiC Data Policy.

Date, Signature
