American Meteorological Society

BOARD ON DATA STEWARDSHIP

AMS101 101st Annual Meeting VIRTUAL | 10-15 January 2021

What is expected when publishing a journal article?

The spectrum of what constitutes “data” is diverse and includes in situ and remotely sensed observations, environmental predictions generated by numerical models, and data products derived from integrations of observational and model-generated sources. Associated software should also be archived if possible.

While AMS is committed to the FAIR principles through our participation in the Enabling FAIR Data project, our data policies are designed to be flexible enough so that ***no author should be excluded from submitting to our journals***, especially due to resource limitations. Special circumstances should be discussed with the journal Editor, and explained in a Data Availability Statement. Data requirements for manuscript submission include the following:

- Authors must confirm during initial submission that they are aware of the AMS data policies, including the expectation that datasets used or derived in the reported work are archived and cited/referenced properly. Please see Data Reference and Citation Examples for more information.
- Authors are expected to have archived core research outputs (data, software, samples, etc.) to valid FAIR-aligned repositories, if possible. This includes the assignment and use of persistent identifiers such as DOIs for as much of the archived data and documentation as possible. Please see Data Archiving Guidance for more information about identifying a valid repository.
- Authors are expected to include a Data Availability Statement section in the submitted manuscript immediately following the Acknowledgments section. It should describe where the data underlying the findings for the article are archived, and how they can be accessed and reused. See the Data Availability Statement Examples page for more information.
- In cases where archiving is not possible, the Data Availability Statement should describe the reasons why, and what resources are available for other researchers to understand how the research being reported on was conducted.