

Title: Making AmeriFlux Data More Open and Cite-able

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BER Program: ESS

Project: DOE Lab-led project: AmeriFlux Management Project (LBNL)

Project Website: <https://ameriflux.lbl.gov/>

Project Abstract: AmeriFlux has added a new CC-BY-4.0 data usage license (Creative Commons by Attribution 4.0 International; <https://creativecommons.org/licenses/by/4.0/>) and so far 374 of the 567 AmeriFlux sites have chosen this license. This new AmeriFlux CC-BY-4 data license makes AmeriFlux data more compatible with other flux networks (e.g. ICOS, OzFlux, and NEON) and FAIR (Findable, Accessible, Interoperable, and Reusable).

It is also a first step toward making the data easier to use and cite. A remaining challenge has been citing the AmeriFlux data in scholarly works where data from a large number of sites are used. A Community of Practice has been working for the last year to develop an approach that will allow 100's of citations to be included as references in a paper through the use of a mechanism referred to as a “reliquary.” The AmeriFlux data case is one of the leading use cases in the development of the solution. The Community of Practice is composed of volunteers from across the Earth sciences community including publishers, data repository representatives, leaders of large-scale projects, AGU data management leaders, UN Climate Assessment groups, citation indexers, DataCite, RDA, and government agencies. To learn more about the work of the Community of Practice and to join us if you are interested, visit <https://data.agu.org/DataCitationCoP/>.