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## **The AmeriFlux Management Project**

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ABSTRACT TEXT

In 2016, AmeriFlux will celebrate its 20th year as a close-knit network of independent eddy covariance sites across the Americas, measuring terrestrial ecosystem carbon, water and energy fluxes. The primary goal of LBL's AmeriFlux Management Project (AMP) is to optimize quality of AmeriFlux data and its use by a broad community. We are working to expand the network's role as a virtual field laboratory for basic research and Earth System Model (ESM) improvement, and to facilitate innovative measurements and data synthesis. To achieve these goals cost-effectively, we set up teams to cover four tasks: (1) Core site support; (2) Technical support and QA/QC; (3) Data support and QA/QC in coordination with the Carbon Dioxide Information and Analysis Center (CDIAC); and (4) Outreach. In AMP's first three years, we funded operations for 14 clusters of long-term flux sites, established comprehensive tech support, enhanced data services, revived annual AmeriFlux meetings and Science Steering Committee, and built collaborative relationships with the AmeriFlux community, and ICOS (Europe) and FLUXNET (global) networks. We will continue these activities, and deliver: (1) consistent operations of high quality, longterm Core sites; (2) expanded data holdings for sites in boreal, arctic, and other poorly represented ecosystems; (3) enhanced data QA/QC and technical support to the AmeriFlux network; (4) the first new gap-filled, partitioned synthesis dataset since 2007, which will enable next-generation models, synthesis, and research activities; (5) outreach that strengthens the AmeriFlux community, raises its visibility, and boosts the next generation of Earth scientists. This poster will illustrate the main AMP activities and highlights recent exciting results from the AmeriFlux network."