

As researchers, educators and practitioners in the fields of Earth System science and Planetary sciences, working on topics ranging from air quality to epidemiology to severe weather risks to long term climatic changes, we call on NSF to continue supporting university research through continued support of the NCAR-Wyoming Supercomputer Center (NWSC). In response to an NSF announcement from Thursday February 12th about transitioning NWSC operations to a third-party operator, we believe that the USA would be best served if NSF-NCAR were to maintain control of the NWSC, given the long term professionals that reside there and that have helped us to produce world-class, impactful science for decades that has served the American public, supported its economic growth and made it safer. We believe that moving control of this facility to a third party will degrade service and endanger the American people, in addition to the detriments it will cause to weather science and prediction, and is unsupported given the current high quality and efficiency of the service that NSF-NCAR offers the community. NWSC, as currently operated, consolidates what would otherwise be complicated, expensive, and hard to coordinate computing efforts at numerous decentralized locations (especially individual universities that are UCAR member institutions), and, by virtue of being operated by NSF-NCAR, streamlines and optimizes the relevant operational workflows for its intended purposes, with a highly professional technical support team that is accustomed to working with Earth scientists from a wide range of universities and users with specific needs. Finally, the potential damage arising from even a temporary curtailing of NSF-NCAR capabilities now would not be easily or rapidly fixed.

More broadly, we believe NSF-NCAR's current model works (<https://researchworks.ucar.edu/about/>). It produces high quality science that directly benefits taxpayers because it is an organization that works together as more than the sum of its parts. Breaking apart NSF-NCAR (or "restructuring") will jeopardize this cohesion, degrading NSF-NCAR's ability to serve the American people and train a highly skilled workforce. NCAR strength and excellence has always been in its existence as a broad, collaborative center made up of the many areas of expertise of the NSF-NCAR staff, and on its existence as a physical center where many of us, as well as our students, are always welcomed for the purpose of collaborating, learning, and advancing Earth System science. As the February 12th announcement from NSF demonstrates, we are extremely concerned that community input, congressional oversight and experts' testimony are not being taken into account when making decisions pertaining to NSF-NCAR.

Affiliations are for identification purposes only and any opinions expressed are those of the signatories and not their institutions.

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