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From: Faculty Research Development Office (FRDO)  
Office of the Vice President for Research

Subject: Limited Competition: NSF Advanced Computing Systems & Services: Adapting to the Rapid Evolution of Science and Engineering Research (NSF 19-587)

Date: July 22, 2019

UNM Researchers,

The Office of the Vice President for Research is requesting statements of interest for the NSF Advanced Computing Systems & Services: Adapting to the Rapid Evolution of Science and Engineering Research funding opportunity. The intent of this solicitation is to request proposals from organizations willing to serve as service providers (SPs) within the NSF Innovative High-Performance Computing (HPC) program to provide advanced cyberinfrastructure (CI) capabilities and/or services in production operations to support the full range of computational- and data-intensive research across all of science and engineering (S&E). The current solicitation is intended to complement previous NSF investments in advanced computational infrastructure by provisioning resources, broadly defined in this solicitation to include systems and/or services, in two categories:

- **Category I, Capacity Systems:** production computational resources maximizing the capacity provided to support the broad range of computation and data analytics needs in S&E research; and
- **Category II, Innovative Prototypes/Testbeds:** innovative forward-looking capabilities deploying novel technologies, architectures, usage modes, etc., and exploring new target applications, methods, and paradigms for S&E discoveries.

Proposals are requested for advanced CI that will deploy capabilities and services, including composable services, to address the increase in demand for computation and data analytics resources in the S&E research community, as well as explore novel paradigms for enabling transformative S&E discoveries.

It is anticipated that 1-2 awards will be made in Category I at up to \$10,000,000 per award for up to five years and up to 1-2 awards in Category II at up to \$5,000,000 per award for up to five years. Complete program details can be found at the following link: [https://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=503148](https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=503148)

**Only one (1) proposal is permitted per organization as lead institution, and an individual may participate in only one proposal as PI or co-PI.**

If you are interested in submitting a proposal, please send a statement of interest with the following: 1) Provide a list of participating Senior Personnel (university faculty and equivalent) by full name, departmental affiliation, and major roles in the proposed project; 2) names of any other (non-lead) participating institutions or organizations; and 3) a tentative project title and brief description of 200 words or less via e-mail to [limited@unm.edu](mailto:limited@unm.edu) by **noon, August 9, 2019**. Based on the statements of interest we receive by the deadline, we may call for pre-proposals for an internal competition, if needed. Only PI's who have submitted a statement of interest will be eligible to submit a pre-proposal.

Full proposals are due to NSF on November 05, 2019.

Please distribute this notice to departments and individuals whom you believe would be interested.

*If you are affiliated with HSC, please contact Corey Ford ([CFord@salud.unm.edu](mailto:CFord@salud.unm.edu)) or Cassandra Misenaar ([CMisenaar@salud.unm.edu](mailto:CMisenaar@salud.unm.edu)) for more information.*