



To: Distribution List

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 23-518)

Date: November 30, 2022

UNM Researchers,

The NSF **Advanced Computing Systems & Services: Adapting to the Rapid Evolution of Science and Engineering Research** program requests proposals from organizations who are willing to serve as resource providers within the NSF Advanced Computing Systems and Services (ACSS) program. Resource providers would (1) provide advanced cyberinfrastructure (CI) resources in production operations to support the full range of computational- and data-intensive research across all of science and engineering (S&E), and (2) ensure democratized and equitable access to the proposed resources. 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 Resources: 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.

It is anticipated that, during submission cycles accepting Category I proposals, 1-3 awards will be made at up to \$10,000,000 per award for up to five years. During cycles accepting Category II proposals, 1-4 awards will be made at up to \$5,000,000 per award for up to five years. User support and operating costs are expected to be up to 20% of the total resource acquisition cost per year for each deployed system/service. Should the proposed resource require additional user and operating funds, an additional 5% may be requested along with a strong justification for the request. User support and operating costs will be provided as a separate supplement to the awarded cooperative agreement. Applications are due to NSF by **February 21, 2023**. NSF is ONLY accepting applications for Category 1 projects for this deadline. Category 2 projects will be due October 31, 2023. For more information, see the solicitation:

https://www.nsf.gov/publications/pub_summ.jsp?WT.z_pims_id=503148&ods_key=nsf23518.

This is a limited competition. Each institution is limited to ONE Category 1 application. If you are interested in applying to this program, please submit a Statement of Interest with a tentative project title and a brief description (200 words) by **NOON on December 13, 2022** via UNM's [InfoReady Review Portal](#). No late submissions will be accepted. Based on the number of responses received, the Limited Competitions Management Team may announce a call for pre-proposals.

****This is a limited competition for CATEGORY 1 proposals ONLY.** We will run a separate limited competition for category 2 proposals in advance of the October 31, 2023 deadline.**

Should you have any questions please contact limited@unm.edu.

If you are affiliated with HSC, please contact HSC Limited Competition at HSC-LimitedComps@salud.unm.edu for more information.