

Release of Research Opportunities in Space and Earth Science (ROSES) 2020 NRA by the Science Mission Directorate

NASA's Science Mission Directorate (SMD) announces the release of its annual omnibus solicitation for basic and applied research, Research Opportunities in Space and Earth Science (ROSES) 2020 as NNH20ZDA001N on or about February 14, 2020, on the NSPIRES web page at <http://solicitation.nasaprs.com/ROSES2020>.

ROSES is an omnibus solicitation, with many individual program elements, each with its own due dates and topics. Tables [2](#) and [3](#) of this NRA, which will be posted at <http://solicitation.nasaprs.com/ROSES2020table2> and <http://solicitation.nasaprs.com/ROSES2020table3>, respectively, provide proposal due dates and hypertext links to descriptions of the solicited program elements in the Appendices of this NRA. Together, these program elements cover the wide range of basic and applied supporting research and technology in space and Earth sciences supported by SMD.

The ROSES NRA is written to allow program elements to issue grants, cooperative agreements, contracts, and inter- or intra-agency transfers, depending on the nature of the work proposed, the proposing organization, and/or program requirements. However, most extramural awards deriving from ROSES will be grants, and almost all program elements of ROSES specifically exclude contracts because it would not be appropriate for the nature of the work solicited. Organizations of every type, domestic and foreign, Government and private, for profit and not-for-profit, may submit proposals without restriction on teaming arrangements. Note that it is NASA policy that all research involving non-U.S. organizations will be conducted on the basis of no exchange of funds.

Awards range from under \$100K per year for focused, limited efforts (e.g., data analysis) to more than \$1M per year for extensive activities (e.g., development of hardware for science experiments and/or flight). Periods of performance are typically three years, but some programs may allow up to five years and others specify shorter periods.

The funds available and the anticipated number of awards are given in each program element and range from less than one to several million dollars, which allows for selection from a few to as many as several dozen proposals.

Electronic submission of proposals is required by the respective due dates for each program element and must be submitted by an authorized official of the proposing organization. Electronic proposals may be submitted via the NASA proposal data system NSPIRES or via Grants.gov.

Every organization that intends to submit a proposal in response to ROSES-2020 must be registered with NSPIRES; organizations that intend to submit proposals via Grants.gov must be registered with Grants.gov, in addition to being registered with NSPIRES. Such registration must identify the authorized organizational representative(s) (AOR) who will submit the electronic proposal. All Principal Investigators (PIs) and other participants e.g., Co-Investigators (Co-Is) must be registered in NSPIRES regardless of the submission system. Potential proposers and proposing organizations are urged to access the system(s) well in advance of the proposal due date(s) of interest to familiarize themselves with its structure and to enter the requested information.

Notices of intent to propose and Step-1 Proposals will be due starting in April 2020 and Full (Step-2) Proposals will be due no earlier than May 14, 2020 through no later than May 13, 2021, by which time it is expected that the next ROSES solicitation will be released.

To learn of the addition of new program elements and all amendments to this NRA, proposers may subscribe to:

- (1) The SMD mailing lists (by logging in at <http://nspires.nasaprs.com/> and checking the appropriate boxes under "Account Management" and "Email Subscriptions"),
- (2) The ROSES-2020 RSS feed for amendments, clarifications, and corrections to at <http://science.nasa.gov/researchers/sara/grant-solicitations/ROSES-2020/>, and
- (3) The ROSES-2020 due date Google calendar. Instructions will be available shortly after release at <https://science.nasa.gov/researchers/sara/library-and-useful-links> (link from the words due date calendar).

Frequently asked questions about ROSES-2020 will be posted at <http://science.nasa.gov/researchers/sara/faqs/> shortly after release.

Questions concerning the individual program elements in ROSES should be directed to the point(s) of contact in the Summary Table of Key Information at the end of the program element and at <http://science.nasa.gov/researchers/sara/program-officers-list/>.

Questions concerning general ROSES-2020 policies and procedures may be directed to Max Bernstein, Lead for Research, Science Mission Directorate, at sara@nasa.gov.

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