

Release Date: December 6, 2022
Comments Due: January 20, 2023
Identification Number: NNH23ZDA004J
Direct Link: <https://go.nasa.gov/Draft2023ESEAO>.

The National Aeronautics and Space Administration (NASA) Science Mission Directorate (SMD) is announcing via this email the release of a draft text for community review and comment entitled “2023 Earth System Explorers (ESE) Program DRAFT Announcement of Opportunity.” To find the full draft text visit <http://nspires.nasaprs.com/> and select “Solicitations” at the top of the page and search on “NNH23ZDA004J” or use the direct link.

The Earth System Explorers (ESE) Program conducts Principal Investigator (PI)-led space science investigations as recommended by National Academies of Sciences, Engineering, and Medicine 2017 *Decadal Survey for Earth Science and Applications from Space* (<https://www.nationalacademies.org/our-work-decadal-survey-for-earth-science-and-applications-from-space>). This Announcement of Opportunity (AO) will solicit proposals for the development, execution, and data product dissemination of spaceborne missions that make observations of one or more of the 2017 Decadal Survey Earth System Explorer Targeted Observables; however, at least one of the estimated ~4 selected proposals will prioritize Greenhouse Gases as one of its Targeted Observables.

All investigations proposed in response to this solicitation must support the goals and objectives of the Earth System Explorers Program (Section 2 of this AO). The issuance of the 2023 ESE Program Draft AO does not obligate NASA to issue a final 2023 ESE Program AO that solicits proposals. Any costs incurred by prospective investigators in preparing submissions in response to any draft solicitation are incurred at the submitter's own risk.

Participation is open to all categories of organizations or institutions, U.S. or non-U.S., including educational, industrial, and not-for-profit institutions, Federally Funded Research and Development Centers (FFRDCs) including the Jet Propulsion Laboratory (JPL), University Affiliated Research Centers (UARCs), NASA Centers, and other Government agencies. Non-U.S. organizations may participate on a no-exchange-of-funds basis. Both U.S and non-U.S. participation is subject to China restrictions described in Sections 4.2.2 and 5.7.1 of the AO.

The Science Office for Mission Assessments (SOMA) hosts the Earth System Explorers (ESE) program website that provides further information, including the AO's Program Library and Question and Answer (Q&A) pages. SOMA will post inquiry responses and related updates at <https://explorers.larc.nasa.gov/2022ESE/>.

Please address comments or questions on the draft AO only via email using subject line “ESE Program DRAFT AO” to both the ESE Program Lead Program Scientist, Dr. Thorsten Markus, at thorsten.markus@nasa.gov, and the Acquisition Manager, Mr. Tony Tyler, at tony.r.tyler@nasa.gov. Responses to individual comments or questions may be given by email and/or posted on the ESE website. Anonymity of persons or institutions submitting questions will be preserved.