

Advanced Exploration Systems (AES) Small Spacecraft Missions

2021 NASA Small Spacecraft Forum

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Internal Solicitation Process - Engage NASA Centers through assigned AES POCs

- Exploration Capabilities Research and Development projects assigned and competed
 - Project Polaris is a new initiative to help our people meet the difficult challenges of sending humans to the Moon and Mars.
 - Project Polaris will create opportunities for our people to strengthen their skills, to gain hands-on experience, and to learn.
 - Project Polaris is focused on filling high-priority capability gaps and on infusing new technologies into human exploration flight programs.
 - Project Polaris builds and tests small flight experiments and conducts other risk reduction activities to rapidly mature critical technologies.
 - Project Polaris consists of small teams of mostly early career employees.
 - Project Polaris encourages leap ahead innovation and collaboration to accelerate technology development.

External Solicitation Process

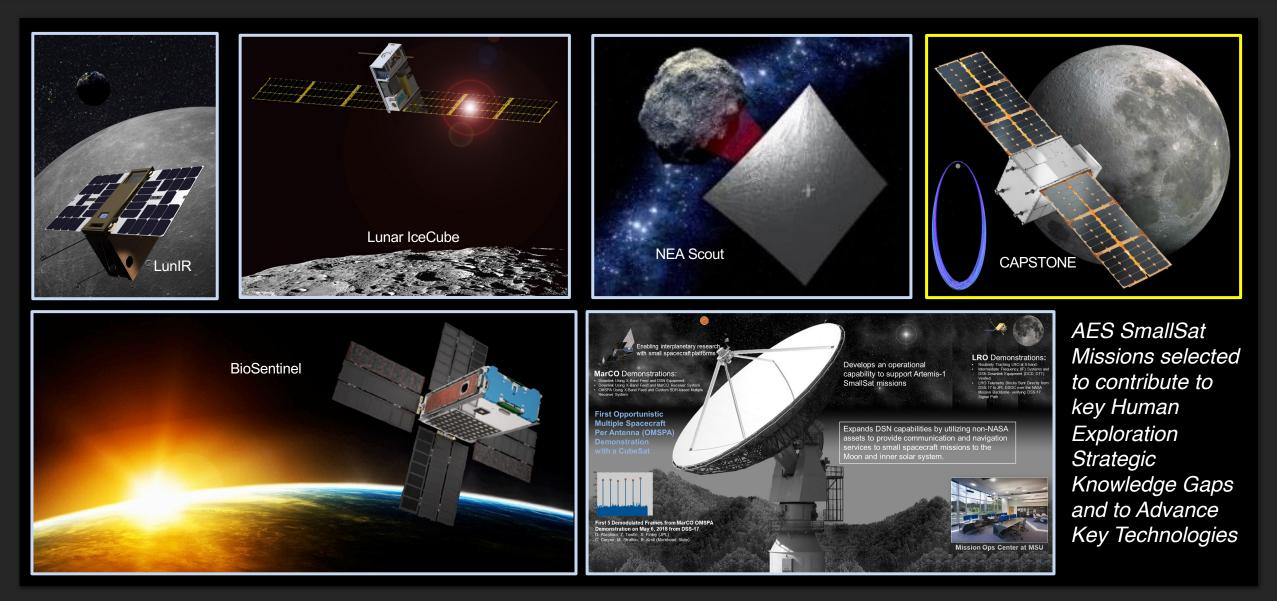
• Next Space Technologies for Exploration Partnerships - NextSTEP

Priorities - HEOMD-405 Guidance

- Human Exploration and Operations Mission Directorate (HEOMD) Integrated Exploration Capabilities Gap List (HEOMD-405) represents the official set of approved capability gaps and gap-element mappings.
- The gap prioritization listed in HEOMD-405 should be used by HEOMD Programs when planning exploration-forward investments.

AES SmallSats Supporting Artemis





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Thank you