

# Advanced Exploration Systems (AES) Small Spacecraft Missions

2021 NASA Small Spacecraft Forum

Andres Martinez, Program Executive, Small Spacecrafts March 25, 2021



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**

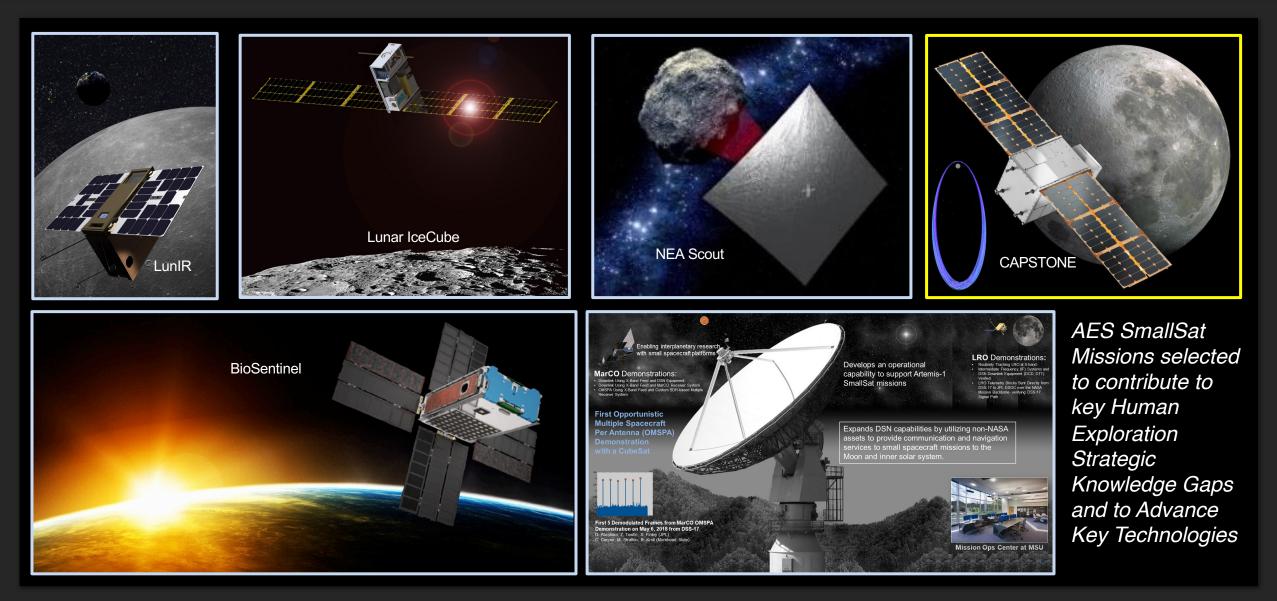
• Next Space Technologies for Exploration Partnerships - NextSTEP

#### **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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## Andres Martinez

Program Executive, Small Spacecrafts for Advanced Exploration Systems within the Human Exploration and Operations Mission Directorate at NASA Headquarters in Washington, D.C.







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## Thank you