

NOTICE

Lunar Exploration Analogue Deployment (LEAD) – Capability Demonstration

Key aspects of the Space Policy Framework of Canada are ensuring that Canada is a sought-after partner in international space exploration missions that serve Canada's national interests, and, continuing to invest in the development of Canadian contributions in the form of advanced systems and scientific instruments as part of major international endeavors.

To help determine the nature of Canada's potential contribution to future international space exploration and science missions, the Canadian Space Agency (CSA) engages in three types of activities:

- Requirements & mission concept development;
- Prototyping, integration & testing and analogue deployment;
- Building and maintaining operational infrastructure required to support proto-typing, integration & testing and analogue deployment.

The CSA is preparing to conduct a Lunar Exploration Analogue Deployment (LEAD) Project to position Canada for potential future contributions to lunar rover missions by demonstrating capabilities for human and robotic exploration beyond Low Earth Orbit.

The LEAD project comprises two separate elements running concurrently but independently;

- LEAD-Capability Demonstration; and,
- LEAD-Core (HERACLES)

The CSA is soliciting proposals from Canadian industry sector for their participation in the **LEAD-Capability Demonstration** element of the LEAD project. The Capability Demonstration element should be considered as complementary to the LEAD-Core Human-Enhanced Robotic Architecture and Capabilities for Lunar Exploration and Science (HERACLES) element.

The purpose of this Announcement of Opportunity (AO) is to provide financial support for one project over two years for lunar science and/or technology projects commencing with preparatory activities in 2018 and culminating in a field deployment in 2019 at the CSA Headquarters (Analogue Terrain [AT]), with an optional second deployment to a remote analogue site in Lanzarote, Spain in 2020, subject to further CSA approval.

STDP AO [LEAD – Capability Demonstration](#)