

# COSPAR2026 Session B2.1: Geologic Mapping and Geodesy for Planetary Exploration

*In-person only — August 1–9, 2026, Florence, Italy*

Join ~3,000 global experts at the 46th COSPAR Scientific Assembly, a premier international space science event held August 1–9, 2026, in Florence, Italy.

## Establishing a New Scientific and Operational Framework at COSPAR

This **inaugural session** brings together planetary geologic mapping and geodesy as foundational, enabling infrastructure for space exploration. As international and commercial missions move toward sustained surface operations, accurate, interoperable geologic and geodetic products are increasingly essential for scientific interpretation, mission planning, landing site selection, and surface decision-making.

- **Exploration Infrastructure:** Geologic mapping as the essential framework for mission planning, landing site selection, and surface decision-making.
- **Technical Synergy:** Highlights how geodesy enables accurate, interoperable geologic mapping at all spatial scales.
- **Operational Impact:** Tackles current limitations in data quality and accessibility to support international space agencies and commercial surface operations.
- **Broad Scope:** Welcomes innovative methodologies, technologies, and data products related to planetary surfaces, research, and resource assessment.
- **A COSPAR First:** Be part of the very first session dedicated to these combined foundational disciplines in COSPAR history.

This session establishes planetary geologic mapping and geodesy as a joint, integrated discipline within the COSPAR scientific program.

## WHO SHOULD SUBMIT & ATTEND

We invite **planetary geologic mappers, geodesists, mission scientists, and data infrastructure developers**, alongside **engineers and representatives from space agencies and commercial organizations** involved in the production or use of planetary geologic and geodetic products.

**Scientific Organizing Committee (SOC):**

- **Main Event Chair:** Alessandro Frigeri (INAF, Italy) + International SOC.

## SESSION STRUCTURE

The scientific event will include two focused subsessions:

- **Planetary Geologic Mapping:** Focuses on methods, techniques, and mapping products for exploration.
- **Planetary Geodesy:** Geodetic studies supporting geologic interpretation, including photogrammetry, laser ranging, gravity, and magnetic data.

*Note: There is no need to specify a subsession during the submission process.*

## KEY DATES

FEBRUARY 13, 2026	Abstract Submission Deadline
APRIL 5, 2026	Program / List of Accepted Works Published
MAY 17, 2026	Early Bird Registration Fee Deadline

## WHERE TO SUBMIT

- **Portal:** Submit via the [COSPAR 2026 Website](#) under **Session B2.1**.
- **Cost:** €25 abstract submission fee.

## WEBLINKS

- COSPAR 2026: [COSPAR 2026 Website](#)
- COSPAR B2.1 session details: [B2.1 – Planetary Geologic Mapping and Geodesy for Space Exploration](#)