Submission Form - Mars at Alqueva: Experiment Design Challenge

* Indicates required question

Team & School Profile

Project Title *

Your answer

School Name *

Your answer

School City *

Your answer

Pre-fill responses, then click "Get link"

School Country *

- Austria
- Greece
- Portugal
- Other: _____

Lead Teacher name *

Your answer

Contact teacher e-mail *

Your answer

Contact teacher mobile phone number *

Your answer

Additional Teacher Members *

Your answer

Student Team Members names *

Your answer

Pre-fill responses, then click "Get link"

Age Confirmation: All student members are between ages 12 to 18 *

- ◯ Yes

Experiment Proposal

Select the primary scientific discipline(s) your experiment addresses

Primary STEAM Category (mark all that apply) *

- ☐ Physics
- ☐ Chemistry
- ☐ Biology
- ☐ Geology
- ☐ Robotics / Technology / Coding
- ☐ Human Factors / Psychology

Research Question: What specific question is this experiment trying to answer? *

Your answer

Hypothesis: What results do you expect to see on the Monsaraz analog site? *

Your answer

Scientific Background: Provide a short summary of why this research is relevant for future Mars exploration. *

EXPLORE Toolkit Utilization

Physical Toolkit Components Required *

- [ ] Delta Analog Space Suit
- [ ] Rover Kit
- [ ] Air Quality Sensors (CO2, Temp, Humidity)
- [ ] Biological Tools (Agar plates, Sterile swabs, Microscope)
- [ ] Geological Equipment (Hammer, Chisel, Magnet, Sieve)
- [ ] Fitness Tracker
- [ ] Communication Tools (Walkie-Talkies, Phonetic Alphabet)
- [ ] No Physical Toolkit Resources are used

Virtual Toolkit Resources Required *

- [ ] Digital Logbook Templates
- [ ] Satellite Imaging (EO Browser
- [ ] Robotic Telescope Data (LCO platform)
- [ ] No Virtual Toolkit Resources are used

Mission Operations

Flight Crew Procedures: Step-by-step instructions for the Analog Astronauts *

Your answer

Mission Support Center (MSC) Role: What instructions or data analysis will the students at the Mission Support Center provide during the mission? *

Your answer

Estimated Duration: How many minutes will the on-site activity take? *

Your answer

Safety & Risk Review

Potential Risks: Identify any risks to the hardware or the student astronauts (e.g., heat stress, hardware damage) *

Your answer

Mitigation Plan: How will you ensure the experiment is performed safely? *

Your answer

Final Submission

I agree to the terms and conditions of "Mars at Monsaraz: Experiment Design Challenge" *

- ◯ Yes

I agree to the terms and conditions of "Mars at Monsaraz: Experiment Design Challenge" *

Pre-fill responses, then click "Get link"

I explicitly authorize NUCLIO to collect and process the data included in this form, * which will be used for the correct management and execution of the Mars at Monsaraz: Experiment Design Challenge. You can exercise your rights of access, rectification, suppression and opposition, portability and limitation or revoke your consent as stated at https://nuclio.org/politica-de-privacidade .

- ◯ Yes

Get link

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