

# Space Hackathon

## Innovating for Space Exploration

2025-10-10

### Event Overview

The Space Hackathon is a three-day event focusing on developing innovative solutions for space exploration, satellite technology, and Earth observation. Participants will collaborate with industry experts and like-minded innovators to address real challenges provided by space agencies and aerospace companies.

### Challenge Tracks

The hackathon offers four parallel tracks, each addressing different aspects of space technology and exploration:

#### 1. Earth Observation & Climate Monitoring

Develop applications that leverage satellite data to monitor climate change, natural disasters, or environmental conservation efforts.

#### 2. Space Habitat & Life Support

Design systems for sustainable living in space, including resource management, waste recycling, or psychological well-being for astronauts.

#### 3. Satellite Communications & IoT

Create solutions that improve satellite communication systems or leverage satellite networks for Internet of Things applications.

#### 4. Space Resources & Manufacturing

Propose methods for in-space manufacturing, asteroid mining, or utilizing space resources for sustainable exploration.

#### Schedule

##### Day 1 (October 10)

| Time          | Activity                                       |
|---------------|--|
| 09:00 - 10:00 | Registration and Welcome Coffee                |
| 10:00 - 11:00 | Opening Ceremony and Keynote Speech            |
| 11:00 - 12:00 | Challenge Presentations by Industry Partners   |
| 12:00 - 13:00 | Team Formation and Mentorship Matching         |
| 13:00 - 14:00 | Lunch  |
| 14:00 - 18:00 | Hacking Session                                |
| 18:00 - 19:00 | Dinner   |
| 19:00 - 20:00 | Expert Talks: “The Future of Space Technology” |
| 20:00 - 22:00 | Evening Hacking Session (Optional)             |

##### Day 2 (October 11)

| Time          | Activity                                   |
|---------------|--|
| 09:00 - 10:00 | Breakfast and Daily Briefing               |
| 10:00 - 13:00 | Continued Hacking Session                  |
| 13:00 - 14:00 | Lunch                                      |
| 14:00 - 16:00 | Mid-point Check-in with Mentors            |
| 16:00 - 19:00 | Continued Hacking Session                  |
| 19:00 - 20:00 | Dinner                                     |
| 20:00 - 21:00 | Workshop: “Pitching Your Space Innovation” |
| 21:00 - 23:00 | Night Hacking Session (Optional)           |

##### Day 3 (October 12)

| Time          | Activity                        |
|---------------|---------------------------------|
| 09:00 - 10:00 | Breakfast and Final Day Kickoff |
| 10:00 - 13:00 | Final Development Sprint        |

| Time          | Activity                                |
|---------------|---|
| 13:00 - 14:00 | Lunch and Preparation for Presentations |
| 14:00 - 16:30 | Team Presentations                      |
| 16:30 - 17:30 | Judging and Deliberation                |
| 17:30 - 19:00 | Awards Ceremony and Closing Reception   |

## Prizes and Opportunities

- **Grand Prize:** €10,000 and an opportunity to present at the European Space Conference
- **Track Winners:** €2,500 per track and mentorship from leading aerospace companies
- **Best Student Team:** €1,500 and internship opportunities with space technology firms
- **Most Innovative Concept:** €1,000 and feature in Space Innovation Magazine

Additionally, outstanding projects may receive support for further development through partner incubator programs.

## Who Should Participate

- Software developers and data scientists
- Engineers and hardware specialists
- Designers and UX/UI professionals
- Space enthusiasts and domain experts
- Students in STEM fields
- Entrepreneurs interested in space technology

## Registration Information

Registration opens on July 1, 2025. Early registration is recommended as participation is limited to 150 attendees. Teams of 3-5 members are suggested, but individuals are also welcome and will be assisted in finding teams.

## Frequently Asked Questions

### What skills or background do I need to participate?

Teams benefit from diverse skills - programming, engineering, design, business development, and domain knowledge in space-related fields are all valuable. No specific space expertise is required - mentors will provide guidance and resources.

**What should I bring?**

Bring your laptop, relevant software tools, and any hardware components you may need for prototyping. Basic electronic components and 3D printing facilities will be available on-site.

**Is there a participation fee?**

Yes, there is a registration fee of €75 per participant, with a reduced rate of €35 for students. This covers meals, materials, and access to specialized resources during the event.

**Will data and APIs be provided?**

Yes, our industry partners will provide access to satellite imagery datasets, space-related APIs, and specialized software tools for the duration of the hackathon.

**Is accommodation included?**

Accommodation is not included in the registration fee. However, we have negotiated discounted rates with nearby hotels and will provide details to registered participants.