

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.