



NASA International Space Apps Challenge October 4-5, 2025

Presented by

Wealth **&** **E**legance
- Luxury Experiences



What is the NASA Space Apps Challenge?

spaceappschallenge.org



WHAT?

The largest annual global hackathon that engages NASA and Space Agency Partners' free and open data to address real-world challenges on Earth and in space

WHO?

Everyone! Coders, scientists, designers, storytellers, business people, makers, builders, technologists...no matter their background, age, or skills

WHEN?

October 4-5, 2025

WHERE?

At in-person or virtual Local Events worldwide

HOW?

- Challenges are created by NASA Subject Matter Experts
- Participants join a team & pick a challenge to tackle
- NASA Space Apps judges evaluate projects and NASA recognizes the 10 Global Winners

WHY?

- Raise awareness of NASA's open data
- Inspire creativity and collaboration
- Nurture an interest in STEM

Space Agency Partners



Bahrain Space Agency

The Bahrain Space Agency (BSA) aims to position the Kingdom of Bahrain as a global player in space science to support sustainable development. BSA focuses on space technologies for national growth, promoting space research and applications, and building local capacity. The agency collaborates and partners with government entities, the private sector, and universities.



Brazilian Space Agency

The Brazilian Space Agency (AEB) promotes the development of space activities to drive scientific advancement, technological innovation, and sustainable development. As a proud supporter of the NASA Space Apps Challenge, AEB values global collaboration and open innovation to engage new generations in addressing real-world challenges.



Canadian Space Agency

The Canadian Space Agency (CSA) promotes the peaceful use and development of space through exploration, innovation, observation, and inspiration. Proudly supporting the NASA Space Apps Challenge since 2016, the CSA believes in the transformative power of open space data, uniting innovators to tackle challenges both on Earth and throughout the universe.



European Space Agency

The European Space Agency (ESA) is Europe's gateway to space. Its mission is to shape the development of Europe's space capability and ensure that investment in space continues to deliver benefits to the citizens of Europe and the world. ESA strives to make its data and discoveries accessible to all, providing access to Earth Observation tools & science mission data.

Space Agency Partners



Indian Space Research Organization

The Indian Space Research Organisation (ISRO) is the space agency of India. The organisation is involved in science, engineering and technology to harvest the benefits of outer space for India and mankind. ISRO is a major constituent of the Department of Space (DOS), Government of India.



Italian Space Agency

The Italian Space Agency (ASI) is dedicated to promoting, coordinating, and advancing the national activities and contributions to the global space agenda, with a strong focus on scientific research, Earth observation, space exploration, and technological innovation. ASI believes in the power of open science and the role of global collaboration for our planet and beyond.



Japan Aerospace Exploration Agency

The Japan Aerospace Exploration Agency (JAXA) promotes Earth observation, data analysis, and application research as a core agency to develop Earth observation satellites in Japan. By monitoring the Earth's environment from space, JAXA aims to contribute to addressing global challenges.



Mohammed Bin Rashid Space Centre

The Mohammed Bin Rashid Space Centre (MBRSC) is a leading hub for scientific innovation and space exploration in the UAE, driving missions in Earth observation, human spaceflight, & lunar exploration. Their support of NASA Space Apps reflects their commitment to foster youth engagement, research, & innovation.

Space Agency Partners



National Space Activities Commission of Argentina

The National Space Activities Commission of Argentina (CONAE) is the responsible body for implementing the national space program of Argentina and is very active in developing satellite tools for Earth Observation. CONAE is aware of the importance of outreach and capacity building for new generations in space, and has supported the NASA Space Apps Challenge since 2021.



Paraguayan Space Agency

The Paraguayan Space Agency (AEP) is an autonomous entity under the administrative and functional authority of the Presidency of the Republic as established by law. Its mission is to lead, design, and implement national policies and programs in the field of space and aerospace. As a proud supporter of the NASA Space Apps Challenge, the Paraguayan Space Agency champions youth participation, open innovation, and international collaboration to unlock the potential of space for national progress.



South African National Space Agency

The South African National Space Agency (SANSA) promotes the peaceful use of space and fosters international cooperation in space-related activities. It is dedicated to advancing space science research, developing human capital in scientific and engineering fields, and supporting industrial growth in space technologies. It is proud to partner with NASA Space Apps to inspire curiosity and enthusiasm about our universe.



Spanish Space Agency

The Spanish Space Agency (AEE) believes that space has the power to improve our lives, protect our planet, and spark curiosity and innovation. That's why they are proud to support the NASA Space Apps Challenge, a global hackathon that brings people together to address real-world problems using creativity, science, and teamwork. The Spanish Space Agency works to make space part of everyone's future—by promoting research, supporting innovation, and encouraging young minds to explore new ideas.

Space Agency Partners



Turkish
Space Agency

Turkish Space Agency

The Turkish Space Agency (TUA) is a state authority which carries out the activities on law, management, etc. to support the development & dissemination of space, aeronautics sciences & technologies, & coordinates the work within the national & international organizations to protect & safeguard the space-related rights & interests of the Republic of Türkiye.



UK Space Agency

The UK Space Agency boosts United Kingdom prosperity, seeks to understand the Universe, and protect our planet and outer space. As a proud supporter of the NASA Space Apps Challenge, the UK Space Agency believes in the power of space-derived data and capabilities to elevate innovation to new heights, expand global growth and collaboration, and enrich life for all citizens on Earth.

A Vision that reaches Beyond our World

NASA SPACE APPS - JAIPUR

“A team from a school in Bikaner, starting as curious students, received special mention by NASA SPACE APPS team for their innovation—demonstrating that talent, when given opportunity, can shine from anywhere on Earth.”



NASA SPACE APPS CHALLENGE IS FREE FOR PARTICIPANTS AND INSTITUTIONS

NASA SPACE APPS CHALLENGE – JAIPUR 2024

At a glance

505 Participants

86 Teams

3 schools / colleges

Check details: <https://www.wealthandelegance.in/nasa-space-apps>

Mob: +91-7023482276

Email: events@wealthandelegance.in

www.wealthandelegance.in

Why Your Institution Should Join the NASA Space Apps Challenge?

World's Largest Annual Hackathon

Students tackle real-world problems using open data from NASA and its 14+ international space agency partners.

Global, Prestigious, and Transformative

Thousands of teams from 160+ countries compete, and the challenge is recognized worldwide as a premier event for innovation in science, technology, and creativity.

Benefits for your institution

Certificate of Recognition

Your institution is formally recognized for hosting/organizing, validating its status as an innovation hub in STEM. The certificate can be displayed for promotional and accreditation purposes.

Brand Visibility & Enhanced Reputation

The college's logo/name appears on official NASA Space Apps Jaipur / Shimla, page, promotional platforms, and website of Wealth and Elegance – Luxury Experiences, elevating institutional prestige among peers and prospective students.

Benefits for your institution

Community Engagement

Host and invite nearby students create local STEM talent pipelines and act as a regional center of innovation and opportunity.

Lasting Academic and Professional Impact

Fosters interdisciplinary, project-based learning—meeting and exceeding requirements of emerging curriculum standards in every field of education.

Benefits for your students

Global Recognition & Certification

Every participant, on successful submission of projects, receives an official NASA SPACE APPS certificate, greatly enhancing their academic portfolios—proof of experience in a world-renowned, international STEM event.

Hands-On Skill Development

Participate in solving cutting-edge challenges in space tech, AI, climate change, earth sciences, and sustainability—expanding real-world technical, teamwork, and project management capabilities

Benefits for your students

Mentorship & Networking

Students interact with experts, industry mentors, and other innovators—fostering invaluable academic, professional, and entrepreneurial connections. Students can make teams with other students from different backgrounds.

Pathways to Awards & Further Opportunities

Local winners may proceed to national or global stages, and winning or excelling can open doors to internships, further competitions, and other academic benefits.

Benefits for your students

Community & Global Impact

Collaborate on actionable solutions to earth and space challenges, often with a visible, real-world effect

What you need to do ?

No participation fee

Organize a free local hackathon event in-person in your premises.

Partner and Promote

We'll support with logistics, outreach, and mentorship from our sponsored resources and networks.

Provide basic infrastructure

Provide internet, water facility, space for participants and sponsors during 2 days of event.

What you need to do ?

Space for branding

Provide space for promotion of event through banners in front area, lobby and other prominent areas of your institution before and during event.

Space for small stalls to represent their brand during 2 days of event.

Engage and Encourage students

Encourage students to participate in online session organised by our team and sponsors.

Co-ordinating Staff and Volunteers

Provide a co-ordinating staff and few volunteers for coordination.

Secure your exclusive slot now.

Let's build the future together.

Mob: +91-7023482276

Email: events@wealthandelegance.in

www.wealthandelegance.in



Registration Links

Please forward this link to your students



<https://www.spaceappschallenge.org/2025/local-events/jaipur/>



<https://www.spaceappschallenge.org/2025/local-events/shimla/>

Past Challenges

Check past challenges and share to Inspire your students

<https://www.wealthandelegance.in/nasa-space-apps-2025>

Past Global Event at a glance

**The Sun Touches Everything in collaboration
with NASA Heliophysics (2024)**



NASA INTERNATIONAL SPACE APPS CHALLENGE

October 5-6, 2024



IN PARTNERSHIP WITH



NASA Space Apps is funded by NASA's Earth Science Division through a contract with Booz Allen Hamilton, Mindgrub, and SecondMuse. The 2024 NASA International Space Apps Challenge theme was sponsored by NASA Heliophysics.

#SpaceApps
spaceappschallenge.org

THE SUN TOUCHES EVERYTHING

SPACE APPS BY THE NUMBERS



The NASA Space Apps Community



PARTICIPANTS



SPACE AGENCY PARTNERS



SUBJECT MATTER EXPERTS



LOCAL LEADS



NAVIGATORS



COLLABORATORS

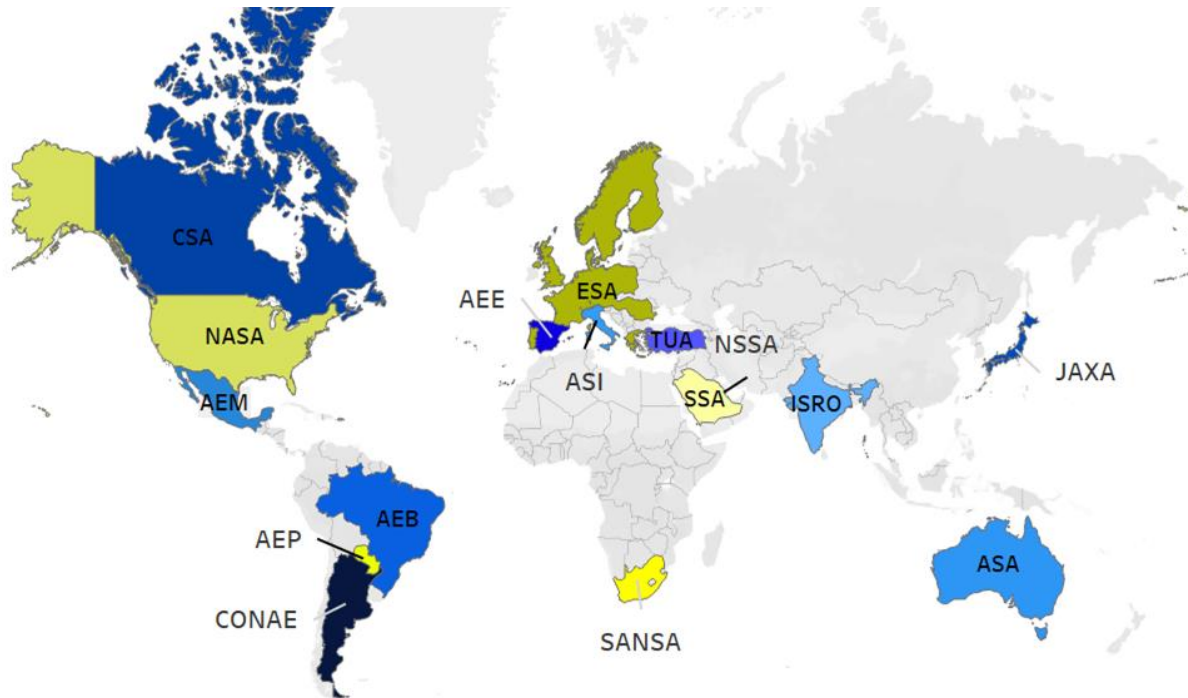


WINNING TEAMS



Space Agency Partners (2024)

AEM
AGENCIA ESPACIAL
MEXICANA



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- Australian Space Agency
- Brazilian Space Agency
- Canadian Space Agency
- European Space Agency
- Indian Space Research Organization
- Italian Space Agency

- Japan Aerospace Exploration Agency
- Mexican Space Agency
- National Aeronautics and Space Administration
- National Space Activities Commission of Argentina
- National Space Science Agency
- Paraguayan Space Agency

- Saudi Space Agency
- South African National Space Agency
- Spanish Space Agency
- Turkish Space Agency

CST
هيئة الاتصالات والفضاء والتقنية
Communications, Space & Technology Commission

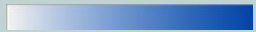


Agenzia Spaziale Italiana



Participation (2024)

Registrations



0

20,000+

93K+

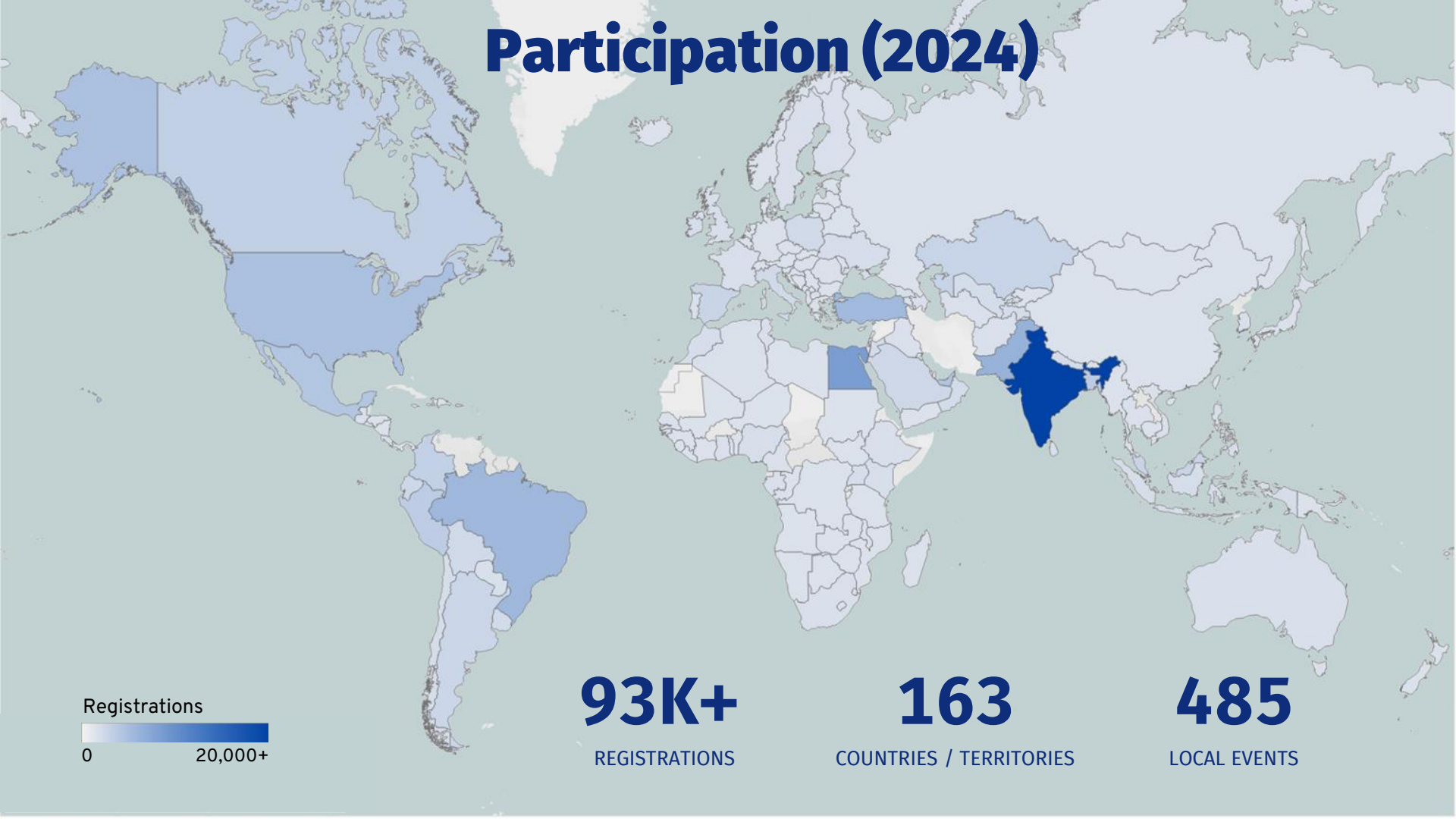
REGISTRATIONS

163

COUNTRIES / TERRITORIES

485

LOCAL EVENTS



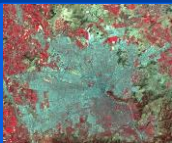
Challenges (2024)



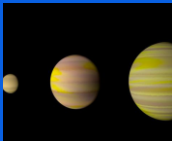
**BEYOND SUNLIGHT: AN
AQUATIC CHEMOSYNTHETIC
WORLD**



**CHRONICLES OF EXOPLANET
EXPLORATION**



COMMUNITY MAPPING



**CREATE AN ORRERY WEB APP
THAT DISPLAYS NEAR-EARTH
OBJECTS**



EXOSKY!



**GALACTIC GAMES: FUN IN A
MICROGRAVITY ENVIRONMENT!**



GENDER AND CLIMATE



GLOBE PROTOCOL GAMES



**IMAGINE OUR CONNECTED
EARTH**



**LANDSAT REFLECTANCE DATA:
ON THE FLY AND AT YOUR
FINGERTIPS**

Challenges (2024) (continued)



**LEVERAGING EARTH OBSERVATION
DATA FOR INFORMED
AGRICULTURAL DECISION-MAKING**



**NAVIGATOR FOR THE HABITABLE WORLDS
OBSERVATORY (HWO): MAPPING THE
CHARACTERIZABLE EXOPLANETS IN OUR
GALAXY**



PACE IN THE CLASSROOM



SDGS IN THE CLASSROOM



**SEISMIC DETECTION ACROSS
THE SOLAR SYSTEM**



**SHOW US WHAT THE MAY
2024 GEOMAGNETIC STORMS
LOOKED LIKE**



**SYMPHONY OF THE STARS:
HARMONIZING THE JAMES WEBB SPACE
TELESCOPE IN MUSIC AND IMAGES**



TELL US A CLIMATE STORY!



**UNCOVER THE ROLE OF
GREENHOUSE GASES IN YOUR
NEIGHBORHOOD!**



VISUALIZE SPACE SCIENCE

Global Winner Award Categories

- **Best Use of Science:** The project that makes the best and most valid use of the scientific method.
- **Best Use of Data:** The project that best makes space data accessible, or leverages it to a unique application.
- **Best Use of Technology:** The project that exemplifies the most innovative use of technology.
- **Galactic Impact:** The project with the most potential to improve life on Earth or in the universe.
- **Best Mission Concept:** The project with the most plausible concept and design.
- **Most Inspirational:** The project that captures our hearts.
- **Best Use of Storytelling:** The project that most creatively communicates the potential of open data through the art of storytelling.
- **Global Connection:** The project that best connects people around the world through technology.
- **Art & Technology:** The project that most effectively combines technical and creative skills.
- **Local Impact:** The project that demonstrates the greatest potential for making a difference in their local community.



THANK YOU

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THANK YOU

www.wealthandelegance.in



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