ADVANCING HUMAN *Spaceflight*

THE WORLD'S BIGGEST ANALOG

An international collaboration to unite the world’s analogs through a unique and historical mission. A coalition of experts tackling the challenges of living and working in space.

www.worldsbiggestanalog.com

SPACE IS A TRILLION $ MARKET

Due To An Increasing & Permanent Human Presence In Space

Global space tourism market size was valued at **USD 695.1 million in 2022.** It is expected to expand at a compound annual growth rate (CAGR) of **40.2% from 2023 to 2030**

NASA Artemis program & Lunar Gateway - plan for Artemis 4 to dock with Lunar Gateway in **2027**, with future yearly landings on the Moon thereafter

The space industry is on its way to **$1 trillion** in revenue by **2040**

IN THE NEAR FUTURE THERE WILL BE SETTLEMENTS IN SPACE

We are going beyond “the first crew on Mars” and preparing for early outpost ecosystems

BUT THERE ARE CHALLENGES WITH LIVING & WORKING IN SPACE

Environment

- Limited Resources
- Radiation
- Isolation
- Micro-gravity

Habitat

- Protocols
- Architecture/Use of space
- Life Support
- Safety

Occupants

- Communication
- Cross-cultural collaboration/ living/working
- Efficiency
- Wellbeing

SOLUTION

WE TACKLE THESE CHALLENGES BY SIMULATING THE OUTPOSTS USING HABITATS HERE ON EARTH

NASA has been using analog missions since the Apollo days

HABITAT LOCATIONS

THE WORLD'S BIGGEST ANALOG

How will we live and work in Space?

Primary goal:

To conduct rigorous science, collaborative research and develop protocols.

Secondary goal:

Raising awareness via media and to educate online & in schools.
Individuals will be able to participate around the globe.

A GLOBAL COLLABORATION

This will be the largest Space analog mission carried out in history and the only one simulating multiple outposts, making WBA the first of its kind. This mission will create a game-changing impact and leave a lasting legacy.

What is The World’s Biggest Analog (WBA)?

- 2 week long mission carried out simulataneously at habitats around the globe in Oct 2025.
- Simulating off-Earth settlements and a permanent human presence in Space.
- Habitats will be split between Moon based and Mars based.
- How will we live and work together cooperatively in the harsh environment of Space?
- Primary goal: To conduct rigorous science, collaborative research and develop protocols.
- Secondary goal: Raising awareness via media and to educate online & in schools.
- Individuals will be able to participate around the globe.
- This will be the largest Space analog mission carried out in history and the only one simulating multiple outposts, making WBA the first of its kind.

Why are we doing The World's Biggest Analog?

- Raise awareness about analogs.
- Gather information about existing missions and habitats, so that researchers, gov agencies and others understand the fidelity and capabilities of each habitat as a research platform.
- Applying research standards makes the data collected more useful to space agencies and researchers.
- Provide a global research platform for the first time.
- Develop protocols and professionalise the industry.
- To assist up and coming habitats/missions, so more countries can be involved.
- To engage and collaborate as a community and push the boundaries of what we can achieve together.
- Open better communication lines between active players.
- Minimise duplicate research.
- Highlight the potential of the habitats and analog missions.

Who is part of The World’s Biggest Analog?

- Advance habitats
- Independent habitats
- MICO Vienna
- 60+ crew of analog astronauts
- Education/outreach - the general public
- Researchers
- 100+ volunteers

A GLOBAL COLLABORATION

Outcomes and **How** we will achieve them

Outcome	How
Implement the International Guidance and Standards for Analogs (IGSA)	We are conducting a risk assessment of each habitat and will be providing guidance on how to implement the IGSA. We will continue to develop these.
Implement scientific best practises and research standards	We have provided details of existing ESA and NASA research standards to researchers who have submitted a proposal. We will continue to develop these.
Collect and share data in a centralised database and provide access for future research	We are building a GDPR database that will collect all of WBA research data. We hope future analog missions will continue to populate this database.
Collect data from the largest, most diverse analog crew in history	The WBA crew is the largest and most diverse analog astronaut crew in history. We will be collecting data using wearables in addition to the data collected for the research projects.

Outcomes and **How** we will achieve them

Outcome	How
Publish research from the mission	We have a requirement for WBA researchers to publish their research within a given timeframe post mission.
Address gov agency research gaps	We have shared the NASA and ESA human research roadmap and requested research that addresses some of the gaps.
Make habitats more accessible to researchers	By collecting habitat information and making this available to researchers. At present we have accepted over 34 research proposals for WBA out of the hundreds that were submitted.
Increase the number of active habitats across the globe	WBA is supporting new habitats across the globe. By stating that they will be part of a global mission, they are able to gain more traction with local support. During the mission they will be able to see how experienced missions operate.
Improved communication protocols and data transfer protocols	MICO Vienna is at the heart of developing communications protocols between multiple habitats.

Outcomes and **How** we will achieve them

Outcome	How
Improved training for analog astronauts	Interstellar Performance Labs is coordinating the training of over 100 crew candidates.
First step towards creating a global testing platform for Space related technology and research	The first WBA mission is laying the foundations for utilising analog missions and habitats as a global research platform.
Educate a wide audience about analog missions	The WBA outreach and education program includes online content, a hackathon event and a Minecraft plugin.
Present the WBA project to a wide audience and raise awareness of analogs	We would like articles about the WBA project to be published in large mainstream media outlets.


2 week Simultaneous Mission Oct 2025
Central Mission Support Over 40 Staff
Global Habitats up to 60 Crew ~ 10 Habitats
Collaborative Research Comms Protocol Cross Cultural
Largest Coalition Of Experts
Global Educational Program
Product Testing
WORLD'S BIGGEST ANALOG
Scientific Publications
Advertising
Standard Protocols / Global Coordination
Sponsors
Documentary Film
Game / VR
Social Media Content

WHY US?

COMPETITIVE EDGE

We are the largest and only coalition of professionals and organisations, dealing in advance with the challenges of living in inhospitable environments

WORLD'S BIGGEST ANALOG COMMUNITY WITH OVER
10 HABITAT MEMBERS

LARGEST SPACE ANALOG MISSION UP TO TO
60 CREW SIZE

Advanced

The Core team made up of experienced habitats, agencies and mission organisers e.g.

OeWF - Austria
MDRS - USA
HI-SEAS - USA
Lunares - Poland
Habitat Marte - Brazil
Iceland Space Agency - Iceland
Hydronaut - Europe
SAM - USA

Independent

Newer habitats and mission organisers across the world e.g.

Middle East
Asia
Caribbean
Australia/South Pacific
South America
Africa
Europe

Beginner

Education & Outreach allowing the participation of individuals across the globe from any country or demographic

Creating exercises and content for world-wide space enthusiasts.

EXPERIENCED TEAM

Director

Jas Purewal
Executive Director of The Analog Astronaut Foundation

Science/Research

Kayli Brooks

Dr. Brandy Nunez

Training

Emily Apollonio
CEO
Interstellar Performance Labs

Artist in Residence

Richelle Gribble

Disaster/Risk Management

Dr. Jenni Hesterman

Safety/Medical

Dr Deepa Bangaru-Raju

Dr Dhivya Bangaru-Raju

Emerging Culture

Brenda Trinidad

Accessibility

Dr. Sheri Wells-Jensen

Education

James Burk
Director of MDRS

Outreach/Marketing

Robin Taber

EXPERIENCED TEAM

Advisors

Gernot Groemer
Director of OeWF

Dr Sian Proctor
Astronaut Artist in Residence

Kai Staats
Director of Research for SAM at B2

Dr. Miroslav Rozloznik
CSO Hydronaut Project

Agata Mintus
Director of Research at Lunares

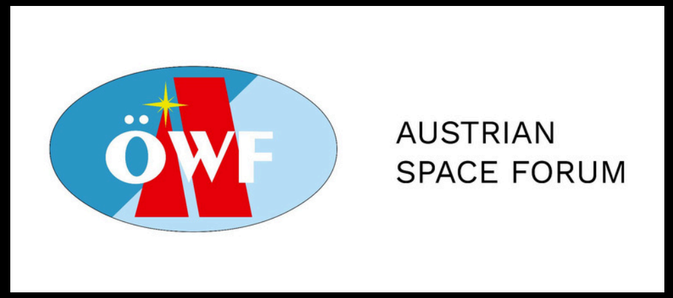
Leszek Orzechowski
Director of Lunares

Matt Devlan
Iceland Space Agency

Prof. Julio Rezende
CEO Habitat Marte

Henk Rogers
Director HI-SEAS

OUR PARTNERS



INTERSTELLAR
PERFORMANCE LABS

BENEFITS TO PARTNERS / SPONSORS

Being part of the **first** ever global collaborative space analog and historical mission.

Leaving a lasting **legacy** and educating future generations.

Innovative R&D activities that will shape the way we work and live in space.

Fast track the development of your local space exploration industry.

Take the **lead** in the exponentially growing private space exploration market.

Information for Researchers

Each habitat and participating mission will have 6 crew members on average. There will be some exceptions to this. With at least 12 participating habitats and more being added, we expect a total crew sample of over 60.

For the majority of habitats, we are able to control the crew’s diet, exercise program and schedule.

Given the right IRBs are in place it will be possible to take biological samples from the crew, such as blood, saliva and urine. The majority of the participating habitats have fridge/freezers to store samples.

With prior knowledge, it may be possible to have additional equipment present across the habitats for specific research projects.

Please specify the equipment that would be required for your research when applying via our website www.worldsbiggestanalog.com

TO JOIN US
VISIT
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