



JUNE 14 to 16 - 2023

PORTUGAL AZORES

TERCEIRA ISLAND

PROGRAM

THE EXPLORERS CLUB







DAY 1 - AZORES | TERCEIRA ISLAND

June 14 | Wednesday 09:30 - 17:00 (Azores, GMT)

09:30 - Opening Session | WELCOME TO THE GLOBAL EXPLORATION SUMMIT

Richard Garriott, The Explorers Club President

THE EXPLORERS CLUB

- Álamo Meneses, Angra do Heroísmo Mayor





June 14 | Wednesday

SESSION 1 | ENCOUNTERS

09:50 - 12:10 (Azores, GMT)



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09:50 - 12:10



09:50 - 10:10 Nathalie Cabrol

Life Beyond Earth

Dr. Nathalie Cabrol is an astrobiologist who develops exploration strategies for Mars, Titan and the icy moons of the Outer Solar System and documents life's adaptation to extreme environments. She also studies ancient lakes on Mars and the effect of rapidly changing climates on their ecosystems, having been the first person to extensively study Gusev Crater.



10:10 - 10:30 Chris Rainier

A Journey into Indigenous Ways of Being

Chris Rainier is a National Geographic explorer and documentary photographer - who is highly respected for his documentation of endangered cultures and traditional languages around the globe.



10:30 - 10:50 Emanuel Gonçaives

Atlantic's Best Kept Secret

Member of the Oceano Azul Foundation's Board of Directors and its Chief Scientist, he's a marine ecologist and conservationist, expert in marine conservation and in particular the creation, monitoring and implementation of marine protected areas in several regions, including discussions on the high seas.



10:50 - 11:10 Piotr Chmielinski

Godspeed, Los Polacos!

Piotr Chmielinski is a kayaker and an explorer, often referred to by others as 'The Godfather of the Amazon'. Within the Canoandes '79 expedition, he paddled the rivers of the Central and South Americas. He was the first to kayak the entire Amazon River, from source to mouth in 1985-86





11:30 - 11:50 Nuno Sá

A Life in the Azores

Underwater cameraman, Nuno Sá was part of the team of the BBC series - Blue Planet 2, in 2018 he won a BAFTA award as well as a Panda award for his participation in this documentary series. Today he works as an underwater cinematographer on landmark natural history productions for major broadcast companies such as Disney, National Geographic and Netflix.



11:50-12:10 Andrew Revkin

The Scariest Climate Science

In 40 years of journalism, mostly for The New York Times, Andrew Revkin became one of the most innovative and lauded reporters on the sustainability beat - filing stories and multimedia reports from the Amazon to the Arctic.

12:30 - 13:50 Lunch at the Interpretative Centre





SESSION 2 | FIRE & ICE

14:15 - 16:40

14:20 - 14:25 Opening Session



14:25 - 14:40 Andrés Ruzo-Callejas

The Legend of the Boiling River & the Case for Geothermal Conservation Andrés Ruzo-Callejas is best known for his work on Peru's boiling river of the Amazon, where hebecame the first geoscientist to receive the shamanic blessing to study this sacred amazonian site.



14:40 - 15:00 Leo Lanna

Uncovering Insect Mysteries in the Dark Rainforest

Leo Lanna is a Brazilian scientist that combines poetry, wildlife photography and innovative research methods to produce contemporary science, studying aspects of evolution, species richness and natural behavior beyond data. He has been leading expeditions in Amazonia and the Atlantic Rainforest since 2015, advocating for the wonders of the mysterious diversity found under the cover of darkness.

15:00 - 15:20 COFFEE-BREAK by ROCKFIBER - BASALT FIBER & SCALES



15:20 - 15:40 Paul Byrne

Soaring Through the Skies of Venus

Paul K. Byrne studies the surfaces and interiors of planetary bodies, including Earth, to understand why planets look the way they do. With research that spans the Solar System from Mercury to Pluto and, increasingly, to extrasolar worlds, he is leading the Phantom mission concept to fly a balloon on Venus



15:40 - 16:00 Bhavita Bhatia

Cowboys of the Lost Horizon

Bhavita Bhatia is a storyteller, adventurer, ecofeminist and a budding horse conservationist with over a decade of experience around the pastoral communities of the trans-Himalayan region in India, Bhutan, and Nepal. Over the last five years, she has single handedly built a grassroots conservation project to study and support the lives of horse herders of the Himalaya.



16:00 - 16:20 Anna Roosevelt

The Early Paleo Diet is Not What You Think

Anna Curtenius Roosevelt is an anthropologist interested in human evolution, ecology, and human rights. She was the first woman to join The Explorers Club.

Her research has changed understanding of history and prehistory of the tropical forests.



16:20 - 16:40 Nina Lanza

Revealing the Martian Soundscape

Dr. Nina Lanza is a planetary scientist at Los Alamos National Laboratory.

She is the lead for the ChemCam instrument onboard the NASA Curiosity rover and on the science team for the NASA Perseverance rover. She is broadly interested in how to identify signs of life in rocks on Mars.





SESSION 3 | COURSE CORRECTIONS

9:45 - 11:40

9:45 - 12:20 Opening Session



9:50 - 10:10 Nathan Robinson

Searching for the Kraken

Dr. Nathan J. Robinson kick-started countless campaigns against ocean plastic after a video of him removing a straw from a sea turtle's nose went viral. He also filmed the first footage of a live giant squid in US waters, the second time this species has ever been caught alive on film.



10:10 - 10:30 Francesco Sauro

Adventurers in the Underworld

Francesco Sauro is a National Geographic explorer, geologist and speleologist. He conducts research and leads training on planetary geology at the European Space Agency (ESA), with a peculiar interest in caves and subsurface exploration.

10:30 - 10:50 COFFEE-BREAK by ROCKFIBER - BASALT FIBER & SCALES



10:50 - 11:10 John All

Science in the Death Zone

Dr. John All is a global explorer and geoscientist, specializing in climate change research in remote locations. His research is focused on hard science that informs public discourse and he is an advocate for adaptive strategies to cope with changes occurring now and in the future.



11:10 - 11:40 Matt Greenhouse

Tales of the James Webb Telescope

Matthew Greenhouse has served on the James Webb Space Telescope senior staff as Project Scientist for the Webb science instrument payload since 1997. He specializes in infrared imaging spectroscopy, development of related instrumentation and technologies, flight project science, and technical management.

12:00 – 13:50 Lunch at the Interpretative Centre







June 15 | Thursday

SPECIAL SESSION INNER & OUTER SPACE

14:00 - 18:30 (Azores, GMT)





SPECIAL SESSION INNER & OUTER SPACE

14:00 - 18:30



14:00 - 14:10 Opening Session Álamo Meneses, Angra do Heroísmo Mayor Ana Pires, SOE Scientific Coordinator and Analog Astronaut

Álamo Meneses is the Mayor of Angra do Heroísmo and an University Professor.

He was the Director of the Sciences Department of the University of the Azores and was the founder and leader of the Association of Environmental Defense "Gê-Questa". He is the author of several studies and publications in the areas of environmental impact assessment and management of water resources in insular and coastal regions.

Ana Pires is a Researcher at INESC TEC's Centre for Robotics and Autonomous Systems.

Her research is focused on Space-Earth-Sea interaction, Space Resources, Space Mining, geotechnics, geophysics, and the development of geo-technologies or geo-robotics for Space exploration. Ana Pires was also the first Portuguese woman to finish with success the Scientist-Astronaut Program, under the framework of Project PoSSUM



14:10 - 14:20 Yvette Gonzalez and Ricardo Conde Co-Chairs

Yvette Gonzalez is a humanitarian, researcher, space suit technician, and space industry strategist. With over two decades of emergency response experience rebuilding communities in active war, conflict, natural disasters, and epidemiological outbreaks, she focuses on space technologies to solve Earth challenges.

Ricardo Conde is the Portuguese representative and head of delegation in the Council of the European Space Agency (ESA), in the European Southern Observatory (ESO) and in the Council of the Square Kilometre Array Observatory (SKAO).



14:20 - 14:55 João Carlos Nunes

Why Azores Islands Exist... Here?

João Carlos Nunes has a degree in Geology, Scientific Branch (Univ. Porto, 1985). Doctorate in Volcanology (Univ. Açores, 2000). Scientific Director of INOVA – Azores Institute of Technological Innovation, Professor Assistant at University of Azores, Scientific Coordinator of the Azores Geopark –UNESCO World Geopark and member of the Board of ENTA – School of New Technologies of the Azores.



Christyl Johnson

Harnessing Technology to Bring Sustainable Human Presence to Mars Dr. Christyl Johnson is Goddard's deputy director for technology and research investments. She manages the center's research and development portfolio and is responsible for formulating the center's future science mission and technology goals and objectives and leading an integrated program of investments aligned to meet those goals.



SPECIAL SESSION INNER & OUTER SPACE

14:00 - 18:30



14:55 - 15:30 Alfredo Martins

Robotics in Extreme Underwater Environments

Alfredo Martins currently participates in various international EU and H2020 and national deep sea marine robotics research projects. He has a vast experience in mobile robotics, having worked with autonomous robots, since 1993, in multiple international and national research projects addressing search and rescue, security, environmental monitoring, underwater mining and marine and deep-sea robotics.



Amy L. Kukulya

Exploration Through the Eyes of a Robot

Amy Kukulya is a leader in development and operations of autonomous underwater systems (AUVs) and their capabilities at Woods Hole Oceanographic Institution, specializing in scientific applications. She is a Principal Investigator and expedition leader and recently launched a new lab called Scibotics.

15:30 - 15:50 COFFEE-BREAK by ROCKFIBER - BASALT FIBER & SCALES



15:50 - 16:55 Carlos Espejel

Development of the Cislunar Economy

Dr. Carlos Espejel is a pioneering leader in the field of space resources utilization, with over a decade of experience in the mining industry. As Space Resources Utilization (SRU) Lead at ispace, Dr. Espejel leads the company's ISRU Working Group, developing technology and strategic roadmaps, forming consortiums and partnerships, and overseeing commercial projects to advance the ISRU ecosystem.



Luis Sentis

A Future for Human Centered Robotics

Luis Sentis is a Professor in the Department of Aerospace Engineering and Engineering Mechanics at the University of Texas at Austin. He leads the Human Centered Robotics Laboratory, a laboratory focusing on control and design of humanoid robots, application of robots to in space and naval domains, and studies on community embedded robotics.



Moriba K. Jah

The Case for Space Environmentalism

Moriba Jah is the Chief Scientist and a co-founder of Privateer, a data and intelligence platform empowering the future of space sustainability. He's developing the first highly accurate space traffic map that aggregates multi-source data on Earth orbiting space objects, to power the new space economy and make space exploration safe and sustainable.



Aidyl Gonzalez-Serrichio

Climate Change's Impact on Soil Health

Dr. Aidyl Gonzalez-Serricchio is an Outreach Director of the International Institute of Astronautical Sciences and a Principal Investigator of the Citizen Science SoilScience. With a Doctorate in Molecular Genetics from the California Institute of Technology, she has over 15 years of experience in STEM education, research accessibility, citizen science, and social justice.



SPECIAL SESSION INNER & OUTER SPACE

14:00 - 18:30



17:05 – 18:10 Round Table

Christyl Johnson (moderator) with Eduardo Silva,

Telmo Carvalho and Richard Garriott

Eduardo Silva is the Coordinator of the TEC4SEA platform at INESC TEC. Previously he was the Coordinator of the Centre for Robotics and Autonomous Systems (CRAS) at INESC TEC until 2019. His main research areas are marine robotics, control architectures, perception, and navigation for autonomous robots. Telmo Carvalho is the Executive Board Member of the Portuguese Institute for the Sea and Atmosphere – IPMA (2018-2023). He is also the Deputy Coordinator of the Portuguese Committee for the Ocean Decade of the UN (2021-2030). Telmo Carvalho is the Executive Board Member of the Portuguese Institute for the Sea and Atmosphere – IPMA (2018-2023). He is also the Deputy Coordinator of the Portuguese Committee for the Ocean Decade of the UN (2021-2030).



18:10 - 18:15 FLAD Science Award Atlantic 2023 Initiative Elsa Henriques

Elsa Henriques is an associate professor at Instituto Superior Técnico in the scientific area of mechanical technologies and industrial management and since 2019 she is a member of the executive board of Luso American Foundation for Development.



18:15 – 18:30 Wrap-up and Closing Session Rui Oliveira and Richard Garriott

Rui Oliveira is a Member of INESC TEC's Board of Directors, accountable for the institution's International Affairs, and has been the National Co-Director of the UT Austin Portugal Program since 2018.



Richard Garriott is the President of the Explorers Club, a founding father of the videogame industry and is also the principal shaper of the commercial spaceflight industry as he cofounded Space Ventures, the only company with private space flights for citizens.

He's a flown astronaut and the first explorer to have explored the Earth from pole to pole, gone to space and reached the deepest point of the Ocean.







EC50 by ROLEX: POSSIBILITIES

9:45 - 12:35

9:45 - 9:50 Opening Session



09:50 - 10:10 Alejandro Arteaga

Graveyard Sanctuaries of Ecuador

Ecuadorian-Venezuelan biologist serving as President and researcher at the Khamai Foundation, seeking to prevent loss of tropical biodiversity, promote new species discovery, and mitigate the effects of global warming. He has discovered 29 new species and raised funds to save 106 hectares of Chocó rainforest in Ecuador.



10:10 - 10:30 Aziz Abu Sarah

Vacation for Peace

Named a 2011 National Geographic Emerging Explorer for his groundbreaking work as a cultural educator, Aziz Abu Sarah has dedicated his life to bringing Israelis and Palestinians together to find common ground, build mutual understanding, and forge lasting relationships.



10:30 - 10:50 Kimberly Pikok

Indigenous Ways of Knowing

Kimberly Kivvaq Pikok is an Iñupiaq fisher from Alaska. She is an Interdisciplinary Studies graduate student at the University of Alaska Fairbanks researching Utqiagvik's seasonal changes in Spring whaling by centering local hunter and whaler observations from the Alaska Arctic Observatory and Knowledge Hub, interviews, and community-based research methods.

10:50 - 11:10 COFFEE-BREAK by ROCKFIBER - BASALT FIBER & SCALES





9:45 - 12:35



11:10 - 11:30 Emmanuelle and Ghislain Bardout

Abysses as Horizons

As captain of the WHY, Under the Pole's sailboat, and as a rebreather diver on the expeditions, Emmanuelle Périé-Bardout co-leads together with Ghislain Bardout, the programs on the ground as well as on the home base in Brittany, with a keen eye for education and conservation.

Ghislain is an avid underwater diver and engineer, carried by a strong curiosity, he conceives the first Under the Pole expedition. Over 15 years and four large programs as head of Under the Pole, he has acquired an advanced expertise in deep and polar scientific diving and developed his expeditions focused on scientific discovery and raising awareness.



11:30 - 12:00 Michael Altenhofen

A New Era of Spaceflight

Michael Altenhofen is SpaceX's Director of Human Spaceflight Sales and Products. As the key global interface for all human spaceflight sales, Michael uses his unique engineering background to define new product capabilities of the Dragon and Starship vehicles for all current and future human spaceflight missions



12:00 - 12:15 Mário Ferreira

Blue Origin NS22

Mário Ferreira is a Portuguese entrepreneur, investor, and President of Pluris Investments

Group, which includes more than 40 companies spanning tourism, media (TV and radio), real
estate, insurance, and renewable energy. In 2022 Mário was one of the astronauts on Blue Origin
NS-22 mission and became the first person from Portugal to fly to space.

12:15 - 12:35 Closing Session

Secretary of State for the Economy – Pedro Cilínio Vice-President of the Azores - Artur Lima



THE GLEXSUMMIT EXECUTIVE COMMITTEE

Lynn Danaher - VP for mission programming
Richard Wiese - President Emeritus and GLEX co-chair
Milbry Polk - GLEX co-chair
Richard Garriott - President of the Explorers Club
Manuel Vaz - Co-Founder and Producer of The GlexSummit
Brittany Barbezat - Director of development
Kevin Murphy - Director of media and programming
Brooke Vahos - Director of content and communities

THE GLEXSUMMIT EXECUTIVE TEAM

Kevin Murphy - The Explores Club Brooke Vahos - The Explorers Club Brittany Barbazat - The Explorers Club Sérgio Oliveira - Expanding World Filipa Coutinho - Expanding World Paula Moreira - Expanding World Hélder Barbosa - Expanding World Francisca Pinto - Expanding World Inês Morgado - Expanding World Carlota Vaz - Expanding World Miguel Lopes - Expanding World Luis Capdeville

Special Thanks

Câmara Municipal de Angra do Heroísmo Câmara do Comércio de Angra do Heroísmo

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Centro Cultural e de Congressos de Angra do Heroísmo

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Escola Básica e Secundária Tomás de Borba

Álamo Meneses - Guido Teles - Marcos Couto - Nuno Santos - Raquel Matos Cruz
Ana Pires - Luís Capdeville Botelho - Sancha Cruz - Helena Costa - Ruben Machado
Hugo Vau - David Isserman - Sérgio Leitão - Marco Barbosa - Luís Bernard
João Neto - Miguel Osório - Bruno Julião - Celina Tavares - Leonídio Ferreira
Laurence Bergreen - José Manuel Marques - Jorge Aguiar - Joana Sarmento
Bruno Cabral - Helena Costa Silva - Miguel Sá Pinto - André Ferreira - Paulo Borges



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We hope you have a blast in Terceira.

Organization

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