

IAF SPACE EXPLORATION SYMPOSIUM (A3)  
Moon Exploration – Part 3 (2C)

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HOW TO LIVE SUSTAINABLY ON THE MOON

**Abstract**

On the isolated mountaintop of Mauna Loa on Hawaii Island, HI-SEAS (Hawaii Space Exploration Analog and Simulation) is launching moon simulations to provide astronauts from around the world the opportunity to refine the technologies and processes needed in an actual moon mission.

This settlement on Mauna Loa will enable humankind to create solutions that will enable us to live sustainably in space and in a rapidly changing environment on Earth.

Henk Rogers, owner of the habitat and founder of the International MoonBase Alliance, is determined to use the lessons learned from these moon missions in Hawaii to pave the way for the development of a self-sustaining moon base by 2030 as part of a proposed International Lunar Decade (ILD) from 2020-2030.

ILD will provide a flexible temporal framework for coordinating initiatives independently organized by countries, commercial firms, universities, and international organizations that could lead to sustainable research and commercial activities on the moon. Henk will discuss the trials and tribulations of these moon mission simulations, his goals for ILD and what needs to happen to bring about the next giant leap for mankind.

**Speaker Bio**

Henk Rogers is a Hawaii-based activist, visionary and entrepreneur whose many passions include environmental protection, human colonization of the moon, and technology innovation.

He is the founder of the International MoonBase Alliance, which has brought together prominent scientists, futurists, engineers and business people from the private sector, government agencies, universities, and research labs to make space colonization a reality; and chairman of the Pacific International Space Center for Exploration Systems (PISCES).

A passionate clean energy advocate, Rogers founded Blue Planet Foundation, a nonprofit with a mission to lead Hawaii's transition to 100 percent renewable energy by 2045. He is also the founder and CEO of Blue Planet Energy, a leading provider of energy storage systems that power homes, businesses and utility grids.

He is perhaps best known among video game enthusiasts as the founder and CEO of Blue Planet Software, which owns the worldwide rights to the Tetris franchise.