

IAF SPACE EXPLORATION SYMPOSIUM (A3)
Interactive Presentations - IAF SPACE EXPLORATION SYMPOSIUM (IP)

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EUROMOONMARS-POLAND ANALOG ASTRONAUT CAMPAIGNS OF 2021

Abstract

We shall describe a series of periods of Habitat Isolations that will take place at Analog Astronaut Training Centre near Krakow Poland during 2021. There will be a number of organisations with partici-

pating members from various European Universities, all working as part of the EuroMoonMars Project. The aim of these campaigns is to build a foundation for training future Analog Astronauts whilst developing their scientific skills and knowledge. This will support current research in developing a habitat on the surface of the Moon or Mars. EMMPOL 3, 4 5 (22 April-15 May 2020): These campaigns include a crew of four to six Analog Astronauts that will spend seven days in isolation; they will be supported by a local team that will assist in the case that any problem arises and run a daily astronomical weather forecast. During the isolation period the Astronauts will conduct a variety of scientific experiments and test various technological instruments. These projects include the development of communication techniques, the investigation into laboratory equipment and advancement in the understanding of human and machine interaction. The Astronauts will carry out a variety of daily tasks and activities such as physical health training, meal preparation and individual downtime that will assist in the well-being of each participant. EMMPOL 6 7 (August 2021): These campaigns will hope to be in advancement to the previous missions that will investigate more areas of scientific research. These missions will take place in August along with a Rocket Workshop headed by the AATC Team.

*EMMPOL 2021 Participants: Kevin McGrath, Hannah Reilly, Gary Brady, Chirayu Mohan, Romain Lafabrie, Marie Lambert, Maël-Aloïs Charasse, Hugo Pires, Sybil Collins, Shannon Marchal, Mathieu Lafont, Sonia Pavy, Amanda Spilkin, Michael Waltemathe, Prof. Bernard Foing, Prof. Roxana Perrier and others TBC. We thank the Analog Astronaut Training Centre, and EuroMoonMars team colleagues providing support.