

Interactive Presentations (IP)  
Topic 2 - Interactive Presentations (2)

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ORGANISATION OF EUROMOONMARS MOONBASE & FIELD SIMULATION CAMPAIGNS

**Abstract**

This abstract explains the lessons we need to learn from previous moonbase simulation campaigns, and their integration in future analog campaigns.

The International Lunar Exploration Working Group (ILEWG) is a public forum supporting international cooperation towards the exploration and utilization of the moon. In such outer space places, the optimization of the time organisation and tasks is key. In this way, a precise planning including every member and every task to realize has to be done before such campaigns. Yet, we have to keep in mind that in these campaigns, due to the unknown, there is always a high level of uncertainty directly impacting actions we take. So the goal is to understand how to manage a crew planning and timeline with such uncertain conditions.

Here we analyse the organisation, preparation and operations of EuroMoonMars campaigns conducted in 2019-2020 (EMMIHS2-4 in Dec 2019-Feb 2020, EuroMoonMars Iceland May 2020 field test at ESTEC). Having a look at those campaigns, we should be able to draw a comparison between what the crew members hoped they could do and what they actually did. Simultaneously, we also have to analyse the time spent on each activity, and how every crew member is dealing with his own planning.

This should allow to take actions in the way of optimizing the future crew's time, and to suggest an adapted schedule in compliance with their missions.