



Members Wanted: Human Factors Team during AMADEE20 Mission

WANTED: YOU!

- We are looking for new team members to provide psychological observation and support to the teams on Earth and Mars during the AMADEE20 mission. Here you will have the opportunity to participate in a Mars analog mission, learning how groups cooperate and communicate with each other in extreme environments.

IN DETAIL: TASKS AND RESPONSIBILITIES OF HUMAN FACTORS TEAM

GENERAL

- Human Factors (HF) is responsible for concerns related to the psychological well-being, monitoring and training of crews participating in any analog mission by the Austrian Space Forum. This includes members in field, and participants supporting the mission in the MSC.

SELECTION

- HF supports the selection of individual Analog Astronauts and team composition. Therefore, HF prepares standardized psychometric test batteries, interviews with individual applicants and assessments for entire selection groups.
- HF guarantees to evaluate clinically important concerns and the working ability of applicants focusing on the needs of a mission.
- HF uses expertise from clinical, environmental and organizational psychology and additional experience from prior missions to build crews feasible for missions.

TRAINING

- HF compiles trainings to ensure awareness on psychological needs, phenomena and situations happening in extreme environments.
- Therefore, HF attends trainings for Analog Astronauts, develops psychoeducational material specified on current research and missions in the Austrian Space Forum and develops group competence trainings for each selected group.
- HF supports the AMBT and AMAT course with educational material on space psychology or team trainings during the courses.
- HF supports organizations and events outside the Austrian Space Forum with expertise and experiences related to working in isolated and confined environments.
- HF cooperates with organizations outside the Austrian Space Forum for more extended trainings for members in the Austrian Space Forum.



MISSION SUPERVISION

- HF supports every mission with supervision for crew in field and teams in MSC.
- HF uses data from BME team (questionnaires, physiological data, sleep and nutrition, pain or delivered speech) to assess the psychological status of crews based in field.

RESEARCH AND EXPERIMENT SUPPORT

- Scientific support for psychological experiments conducted during missions and offers suggestions related to feasibility, scientific purpose or methodological approach.
- HF publishes articles and reports related to selections, missions and trainings.
- HF organized and sorts data in SDA related to psychological experiments from current or previous missions.
- HF hosts internships for psychology students and supports them during the scientific process.

MEDIA

- HF is open for media inquiries related to all concerns on isolation, extreme environments, psychology in planetary missions, confinement, group processes and further more.

YOUR SKILLS

- Undergraduate or graduate student in psychology, human factors, public health, or related field.
- time availability mainly in october and november 2021 and for preparation from april 2021.
- Time and interest to support the team in Innsbruck (Austria) at least for a short time during the mission.
- Curiosity and enthusiasm for space topics - specific experience is welcome but not required.

LEAD AND CONTACT

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