

Abstract

Since ambitious projects of future human space exploration such as Moon Village, or crewed mission to Mars, were introduced, research on psychosocial aspects of teams in extreme conditions deserves greater attention than ever before. Unlike normal environment, where intragroup conflicts usually cause no more than difficulties and discomfort, such aspects may have fatal consequences if occur in extreme conditions.

The main objectives of this work are: to deeply understand the specific aspects and challenges of human cohabitation in an extreme environment, to identify psychosocial issues that may produce intragroup conflicts and tension within teams, and to the search for the main psychosocial phenomena and issues recurring over studies. Such knowledge is crucial for developing preventive provisions and countermeasure strategies for future projects, as well as designing a suitable research methodology.

The findings gained from previous research in this area were summarized within several sections including methodology of past research, prevention of intragroup conflicts that focuses on specific factors contributing to conflicts of teams in extreme conditions, and possibilities of prevention.

Finally, the empirical part of this thesis involves the research proposal based on the knowledge from theoretical part. This qualitatively oriented research design aims to synthesize results gained from several methods, namely: sociomapping, focused observation, grounded theory of intra-crew communication, and content analysis of interviews in order to provide complex insight into the problematics of the team dynamics and intragroup conflicts of the team in extreme condition.

Keywords

Interpersonal conflicts, extreme conditions, long-term space missions, isolation