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THE CONCEPT OF "MOON VILLAGE": HUMAN AND SOCIAL SCIENCES FOR THE RISKS PREVENTION

Abstract

As we explained last year (IAC 2016), Human and social sciences -and anthropology in particular- are essential to secure Space projects. French Defense Minister Jean-Yves Le Drian signed a pact between the National Center for Scientific Research (CNRS) and the Presidents of Universities (CPU) on January 25, 2017, in order to create interdisciplinary alliances between the world of Defense and the Research community (including Human and social sciences). We consider that this new dynamic will evolve a cultural trend that will also serve the project of human swarming.

Human and social sciences are flexible and systemic sciences that know how to negotiate with technological sciences and engineering in a broad sense. They are essential and necessary in this interdisciplinary process to secure the material, informational and especially Humans assets of Space programs and, above all, to ensure their cybersecurity because they will be very connected with a lot of technologies.

We propose to review the interests that we would have to include the anthropological and the ethnographic approaches in the concept of "Moon Village". Space and connected artificial societies will have to use unpublished cultural references, in order to live in intelligent communities. A maximum of social and technological "human comfort" will be necessary for the success of projects in a new type of human organization, and will prevent a wide range of risks.

The "Moon Village" will include a much larger number of connected human representatives than for simple lunar or martian missions. Thus the concept of analysis of artificial societies by the Human and social sciences may become relevant. In this case, we are close to the context of the research villages in Antarctica, and submarines SSBN, models which have already served for this type of study.