

Mars Exploration (3)
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MARTIAN EXPLORATION PROTECTION AGAINST ALIENS BIOHAZARDS CONTAMINATION:
AN INTERNATIONAL SPACE LAW APPROACH

Abstract

Mars exploration mission in the future will be focused on Mars Sample Mission Return (MSR) and began to involving humans as space crew in late 2028 or early 2030 by NASA and other non-government entities such as Space X and Blue Origin. MSR and sending humans to explore Mars to find life form shall be a crucial point of entities which involving in these missions such as environmental issues which govern by Article IX of the Outer Space Treaty 1967 "...avoid harmful contamination..." Furthermore, until today, there is no existing international law instrument to conduct this issue comprehensively, on the other hand, Article IX of the Outer Space Treaty 1967 was not clear to explain "harmful contamination." Thus, non-government entities involved in such a mission will be significantly facing about liability matter if one-day non-governmental entities had an accident causing fatalities such as adverse impact for the Earth and Mars. Ultimately, this article will examine all related regulations in corpus iuris spatialis, including soft law and elaborating with astrobiological data to encourage new regulation, which can ensure safety on the future Mars mission, including its liability issue.