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Contribution of Moon Village to Solving Global Societal Issues (2)

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THE GLOBAL EXPERT GROUP ON SUSTAINABLE LUNAR ACTIVITIES - THE OPERATIONAL
PHASE RESULTS AND OUTLOOK

Abstract

This paper evaluates the efforts of the Global Expert Group on Sustainable Lunar Activities (GEGSLA) in promoting lunar sustainability through multi-stakeholder engagement and developing a comprehensive framework for peaceful and sustainable lunar activities. Initiated by the Moon Village Association in February 2021, GEGSLA adopted the Recommended Framework and Key Elements for Peaceful and Sustainable Lunar Activities by December 2022, presented at the 60th Session of the UN COPUOS Scientific and Technical Subcommittee.

With the commencement of its Operational Phase in 2023, GEGSLA focuses on promoting the implementation of this framework, especially within the UN COPUOS, and conducting an in-depth assessment of specific issues. The group, comprising representatives from space agencies, governments, industry, international organizations, academia, and civil society, including significant scientific organizations like COSPAR, emphasizes the inclusion of all participants without distinction.

The establishment of Working Groups (WG1: Lunar Environmental Protection, WG2: Lunar Technical Coordination, and WG3: Lunar Multi-stakeholder Coordination) facilitated detailed analyses of environmental protection, technical coordination, and multi-stakeholder cooperation in lunar activities.

This paper presents the main results of these Working Groups and discusses the support provided to the UN COPUOS in creating mechanisms for coordinating lunar operations. The findings highlight significant progress in environmental protection strategies, technical coordination mechanisms, and multi-stakeholder collaboration, setting new standards for lunar activity governance. Looking forward, GEGSLA seeks to refine its framework to address emerging challenges and foster international consensus for the sustainable and equitable development of lunar resources.