

IAF BUSINESSES AND INNOVATION SYMPOSIUM (E6)
Strategic Risk Management for Successful Space & Defence Programmes (4)

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EXAMINATION OF THE LANDSCAPE FOR SPACE STARTUPS FROM EMERGING SPACE
ECONOMIES AND ITS IMPLICATIONS ON SUSTAINABLE USES OF OUTER SPACE

Abstract

There is an increasing number of countries and private entities investing in space activities, and it is critical to understand the dynamics of the emerging space economy and its potential impacts on sustainable development. The study begins by reviewing the current literature on its economies and identifying key players in the space industry to provide an overview of these emerging space economies, including the types of space activities and the key players involved, and analyses the implications of these activities on sustainability. The study finds that while space startups are driving innovation and creating new opportunities for economic growth, there is a need for greater attention to evaluate sustainability concerns associated with space activities, such as space debris, resource depletion, and unequal access to space resources to also review the importance of developing policies and regulations to ensure that space activities are conducted in a sustainable manner, and that the benefits of space exploration are shared equitably among all stakeholders, lastly the study highlights of a need for a multidisciplinary approach to creating a sustainable space economy, and emphasizes the importance of collaboration between governments, private companies, and other stakeholders in achieving this goal.