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Space Economy - New models and economic approaches for private space ventures, with an emphasis on the needs of emerging space nations (3)

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A METHODOLOGY TOWARDS BUILDING A FRAMEWORK FOR NATIONAL OUTER SPACE POLICIES MODEL

Abstract

The purpose of the research is to develop a national policy model to guide countries develop their national outer space policies, strategies and programs. With the commercialization of the outer space sector, and the emergence of the new notion of "New Space", space became increasingly accessible due to the reduced launching costs. Although, there is a lack of standardization, disruptive technologies made it difficult for space emerging nations to implement an enabling governmental policy that is tailored to the innovative industry requirements and economic profile. This raised several criticism opposing the cost of national space programs, despite few were justified through spin-offs technologies that solidified the economic benefits. This research will be conducted using a qualitative approach, correlating previous researches related to space policy analysis and space economy meta-data synthesized with country's economic profiles. The identified policy elements from the aforementioned methodology will be used to create a standardized reversed theory of change.

Based on the results of the study, a model will be developed to guide nations towards developing their own space policies, strategies and programs, regardless of their space capabilities status or economic profile. The model will ensure a harmonized approach to develop national space policies that will achieve economic efficiencies by aligning suitable space programs to country's economic and technical capabilities.

It is expected that this analysis will significantly benefit the UAE, space emerging nations and countries intended to start their space prgrams.