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SPACE AGENCIES IN EMERGING COUNTRIES: ANALYSIS FOR THE STRENGTHENING OF THE
SPACE SECTOR IN LATIN AMERICA.

Abstract

With the growing interest and development of the space sector, especially in emerging Latin American countries that aspire to a significant role in the space economy, it is essential to establish efficient and well-structured space agencies. To accomplish a clear and sustained strategy for investment in space infrastructure, education, and the development of specialized human talent, as well as public policies that foster innovation and entrepreneurship in the regional space sector.

Space agency models vary significantly among countries, from centralized models to public-private partnerships.

This summary will analyze the emerging models of space agencies in Latin America, with the Mexican Space Agency as a structural reference since, in the course of the last decade, Mexico has become one of the most competitive countries for productive investment in the aerospace sector in the continent. Progress and possible areas of improvement towards commercialization and investment in these agencies will be examined as a catalyst for new and better opportunities.

In addition, a comparative diagnosis of the region's space agencies will be carried out, as well as those of other continents that, although previously emerging, have reached significant levels of development in the space field, such as Thailand, India, and South Korea. Relevant international alliances will also be highlighted, such as the European Space Agency (ESA) or the Asia-Pacific Space Cooperation Organization (APSCO), which offer interesting examples of the collaboration, especially with the recent creation of the Latin American and Caribbean Space Agency (ALCE).

This analysis will provide insight into the different approaches and strategies used by the different countries for the development of their space capabilities, allowing the identification of areas of strength and opportunities for improvement in the development of a strategic plan for the future, which will encourage public and private investment. Therefore, it is crucial to reevaluate the models of our Space Agencies of emerging Latin American countries

The final objective of this work is to envision a better future for the space industry in the continent and to propose a possible roadmap for space agencies oriented to the success of this strategy, which will allow them to take advantage and properly apply the resources and all the benefits of the consolidation of space agencies in Latin America and that will boost the industry that will continue to develop even more in the future.