

IAF SPACE TRANSPORTATION SOLUTIONS AND INNOVATIONS SYMPOSIUM (D2)
Emerging Space Ventures, including Space Logistics and Space Safety for Sustainability (9-D6.2)

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SPACEPORT PROPOSAL FOR PERU: IMPACT AND ECONOMIC IMPORTANCE

Abstract

Space transportation has been and remains one of the most valuable resources in the constant exploration of space; after all, it is the only known way out of the atmosphere. Moreover, since devices of great size and scope generally constitute this particular transport, the use and application of aerospace technologies in this sense demand several instruments and infrastructure of significant proportions; these places are the so-called spaceports or cosmodromes, which they turn out to be the doors to space. On the other hand, it is not enough to have the place itself to launch rockets and transport loads; an essential factor is a geographical location in which said port must be found so that the launch expense, which is an essential element, is much smaller. In this sense, the closer the launch site is to the equator, the more efficient the rocket's departure and subsequent launching into orbit will be due to the "slingshot effect" that it presents. Likewise, seeing the panorama of the so-called "new space conquest", growth in the line of this industry is increasing, since investment and development in this sector increases by double digits every year, so it is no surprise to say that the need to reach the space in the future will be increasingly demanding. That being said, and taking into account that Peru is a favorite candidate for the installation of launch ports given its geographical location very close to Ecuador, this research aims to present a study of the impact it would have on the region and a forecast of what profitable that it would represent for the country to have a cosmodrome for national and international use. Based on what is currently perceived in the aerospace field, the definitive advance in space technology development in Peru would bring enormous development. As well as demonstrate how advantageous it would be for foreign agencies and companies to have variants of access to space at the time of executing their launches. Finally, this study is expected to obtain a clear understanding of what it would demonstrate and mean for Peru and the world to have a Peruvian spaceport.