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SHAPING THE SPACE TECHNOLOGY ROADMAP THROUGH INTERNATIONAL COOPERATION: RED GLOBAL MX

Abstract

The paper gives an overview of the collaboration process between NGOs around the world and Mexican entities such as research institutes, universities and spin-off startups. In particular, this encompasses a discussion on the impact of the Mexican Talent Network (RDTM), which is a non-profit association whose mission is to gather educated young Mexican professionals that live outside Mexico to stablish cooperative projects around the globe. As a consequence, the RDTM plays an important role in the creation of high-quality jobs in Mexico and abroad, thereby decreasing the problem of brain drain. The RDTM is structured in country chapters (e.g., Germany, USA, UK, France, China, among others), which are organized in sectors (e.g., space, Information technology and telecommunications, among others) and pillars (e.g., science, technology, research and academy, international cooperation, social responsibility, entrepreneurship, knowledge transfer). In particular, this paper presents the role of the RDTM chapter Germany and the space sector. This paper also describes, how the RDTM has served as liaison particularly in the space sector, in order to manage on the one side, the intercultural interactions, while on the other side ensuring technology and business development. In this context, examples of collaboration projects are presented detailing the key parameters that have been determined to be the least required to obtain the right path to success. Nevertheless, even it has been proven to be a good process, it is not a magic formula. An overview of lessons learned is provided as well in order to compare cases where challenges were hard to face and lead to an improvement in the collaboration process. International space technology projects have been focused to enforce research and development (RD) through the following: the training of young professionals in Mexico, workshops and brokerages, exchange of master and PhD students, and exchange of engineers and scientists.