

SPACE EDUCATION AND OUTREACH SYMPOSIUM (E1)  
Interactive Presentations (IP)

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GLOBAL OUTREACH INITIATIVES AND STRATEGIES

**Abstract**

In today's world of growing competition and increasing international collaboration, there is a need bring people together in many ways that express their ideas, traditions, and values. In order to ensure continued development and increase in accessibility to the outer space, it is essential to educate the general public and encourage the next generation to pursue courses in space sciences, engineering, and space business, policy, and law. Space exploration and advancement are not on the agenda of various underdeveloped nations, as they are struggling still struggling to meet the basic needs and requirements of the general public. However, enabling the workforce of such countries to enter in the field of space exploration would not only increase the economic capability of such nations, it would also help redirect the focus of the general population and assist in increasing their quality of life. Outreach and education are crucial for the advancement of space exploration. Effective outreach programs will ensure continued and increased involvement of the community in space-related activities, and also encourage public to provide innovative technological insights to advance space exploration.

This paper will summarize the findings of the case study which is based on the current project being conducted as a collaboration between the UN and World Space Week. This initiative involves the inclusion of various members of different nations, who'd be able to participate in an actual space mission and conduct their proposed research and gain participation at a global level. This project primarily targets people in the developing and underdeveloped nations, who don't get the opportunity to showcase their knowledge and skills. The participant would be given a set of mission constraints and objectives, which will help them design their proposals and experiments. The secondary component of the paper will focus on increasing the education regarding space-based missions amongst the general public through a non-technical approach. This project is an opportunity to promote elements of arts and humanities in the space sector and at the same time create enthusiasm related to space exploration amongst the public. Based on this project, this paper will develop appropriate outreach strategies, interactions and knowledge exchange are conducted at a micro level, mostly consisting of studying the effectiveness of current outreach initiatives on different audience types, including students, young professionals, and educators at a global level.