

IAF SPACE EDUCATION AND OUTREACH SYMPOSIUM (E1)
Space Education Outreach and Workforce Development for Emerging Communities (10-E11.2)

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FOSTERING COLLABORATION AND ADVANCEMENT IN PERU'S AEROSPACE SECTOR:
TOWARDS A CENTRALIZED SPACE SCIENCES DATABASE

Abstract

The landscape of aerospace sciences in Peru is rapidly evolving, spearheaded by institutions like the Peruvian Space Agency (CONIDA) and its Technical Directorate of Space Sciences and Applications (DICA), dedicated to advancing research and development in astrophysics and image processing. Furthermore, the establishment of the Institute of Radio Astronomy (INRAS) marks a milestone, fostering research in radio astronomy, astrophysics, and space science engineering nationwide. Leading universities such as the Universidad Nacional Mayor de San Marcos (UNMSM), the Pontificia Universidad Católica del Perú (PUCP), Universidad Nacional Tecnológica de Lima Sur (UNTELS), Universidad de Ciencias y Humanidades (UCH), Universidad Nacional de Moquegua (UNAM) and the Universidad Nacional de Ingeniería (UNI) are deeply engaged in aerospace endeavours. The pioneering work of individuals like María Luisa Aguilar, the first Peruvian astronomer with advanced studies, and initiatives like the Permanent Seminar on Astronomy and Space Sciences (SPACE) at UNMSM, have galvanized interest in astronomy and aerospace among students nationwide. The launch of Peru's first satellite in 2016, aimed at disaster prevention, marked a significant milestone, providing invaluable data for crop monitoring, national security, and disaster management. To harness this momentum and foster collaboration, the proposal advocates for creating a centralized database facilitating the seamless sharing of information among stakeholders. Divided into providers and users, the database will enable institutions and individuals to share and access a wide array of space-related data, including images, videos, job opportunities, and research projects, fostering innovation and advancement in Peru's aerospace sector.