Civilian Space Exploration
A Model to Provide Access to Space for All
Matias F. Campos A. M.Sc.
Ecuadorian Civilian Space Agency (EXA)

ABSTRACT
Space exploration is often labeled as a luxurious enterprise; nevertheless, different approaches exist where it can be otherwise frugal and effective. For emerging economies, governmental run and financed space agencies are a difficult option as funds and resources are allocated to priorities like healthcare and education. Civilian space exploration is an option for programs to develop in these countries, providing the opportunity for the community to access and benefit from space and be represented in the ever-growing space society. The Ecuadorian Civilian Space Agency (EXA) was analyzed as a case study were a non-profit, non-governmental model was established as Ecuador’s first space agency and tasked with executing the nation’s astronomical initiative. EXA’s history is a testimony to how Ecuador attained access to space. In the agency’s twelve years of existence, several milestones have been achieved, all from national science, technology, and initiative.

1ST ECUADORIAN COSMONAUT

FIRST & SECOND ECUADORIAN SATELLITES

FIRST MICROGRAVITY PLANE IN THE REGION

EDUCATION INITIATIVES:
1ST LINK BETWEEN INTERNET & ORBIT

COMMERCIALIZATION OF INDIGENOUS TECHNOLOGY

SPACE OPERATIONS

LATIN-AMERICAN LUNAR PROGRAM

CONCLUSIONS & RECOMMENDATIONS
EXA’s history serves as an example of applied civilian space exploration. It is encouraged for the civilian model to be contemplated in other countries in order to make space accessible to all and have more people receive its benefits. EXA hopes to collaborate with new and existing civilian space agencies to continue making space accessible and work towards solving the increasing challenges of future space exploration.

Email: info@exa.ec
Twitter: https://twitter.com/EXA_ec
Facebook: https://www.facebook.com/Agencia.Espacial.Ecuatoriana/
LinkedIn: https://www.linkedin.com/company/ecuadorian-space-agency
Web: http://exa.ec
Phone: +593-999-429106
Fax: +593-42-836098
Guayaquil – Ecuador