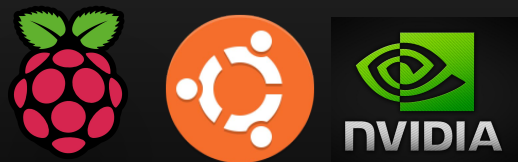
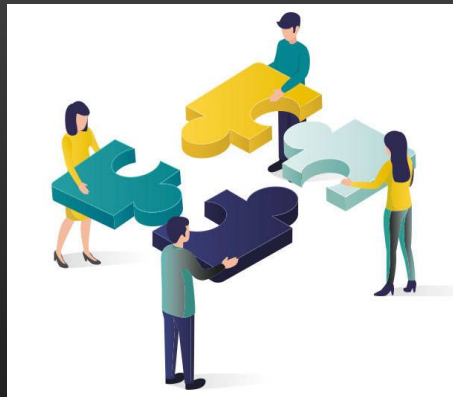
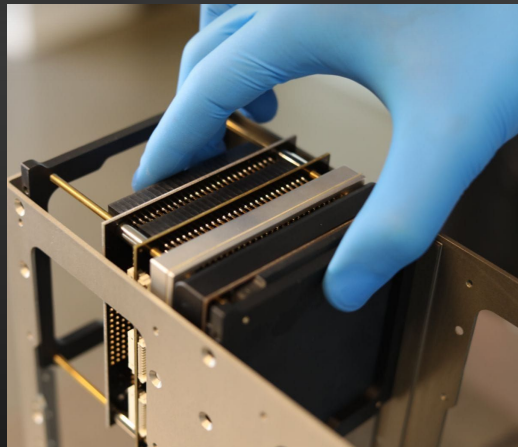


# ENGINEERING CONCEPT FOR THE INITIAL STAGE MISSION OF AN ASTROBIOLOGICAL EXPLORATION MISSION USING A 6U CUBESAT



A concept mission that pretend impulse Colombia contribution to space and Solar System Exploration.  
A. F. Alvarado, J. D. Acevedo, S. Rincon.  
santiagorinconmartinez@gmail.com

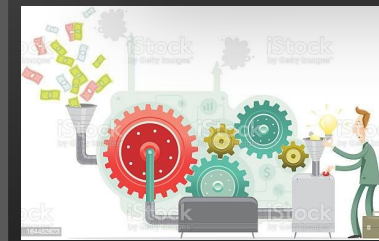
Short term. 2021 -2023



Engage Government,  
Academic, Private  
sector,  
organized civil society

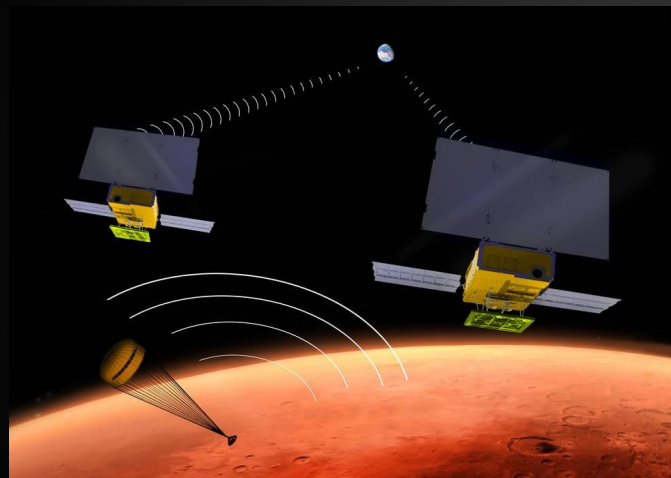
First prototype using low  
cost material and open  
source software.

Medium term. 2023 - 2025



National and International collaboration,  
through universities, research centers, payload  
define, etc. Financed by the public and private  
sectors.

Long term. 2025 - 2030



Photometric tests: optical analysis  
measuring the light absorbed by the  
substance and a reagent, all of these  
through an particle collection with an air  
capsule, supported by an alliance with  
several space agencies to collaborate in a  
real launched Venus' mission, to study  
the atmosphere and search  
for biosignatures, according with new  
scientific results.

