



**July 20th,
2022**

Mision Aguila Arpia



The first-ever regional STEM Americas event will bring together future leaders from Argentina, Bolivia, Chile, Colombia, Ecuador, Mexico, Panama, and Peru to celebrate aerospace innovation.

The mission is part of the Pan American Development Foundation's (PADF) STEM Americas program, an education initiative to promote sustainable livelihoods throughout Latin America and the Caribbean. The event will be hosted in the city of Colon, on the Panama coast, to launch a capsule into the Earth's stratosphere.

Sponsor the event through any of the following packages

Commander Package

(1 available)

\$25,000

Your company logo will be the only commercial logo on the capsule. Includes a unique networking opportunity, logo inclusion on printed materials, site banners, and webpages, and a speaking opportunity during the event.

Flight Engineer Package

(4 available)

\$10,000

Your company logo will be displayed on one side of the capsule, printed materials, site banners, and webpages.

Mission Specialist Package

(10 available)

\$5,000

Your company logo will be displayed on printed materials, site banners, and webpages.

Main sponsors and partners include the Government of Panama and Boeing.

Event Details

Date: July 20th, 2022

Location: The event will take place in the city of Colon, on the Caribbean coast of Panama, at the Armando Dely Valdés Stadium.

Number of participants expected:
100 participants

High-level participants: PADF confirms the participation of our STEM Ambassador, the First Lady of Panama Yazmín Colón de Cortizo and President Nito Cortizo, who will be releasing one of the four capsules during the event.

Media coverage: The event will be covered by local and regional press, highlighted on PADF's website and social media channels, and broadcast on national TV through SERTV.

What social cause is supported by this event?

Mision Aguila Arpia is a unique regional event that aims to position Latin America and the Caribbean as a leading region for innovation and STEM (science, technology, engineering, and mathematics) education. The event is hosted by the [STEM Americas](#) program, an education initiative that promotes sustainable livelihoods in the region through STEM education. The objective of the launch is to analyze topography, gather specific information like atmospheric data and physical conditions for plant life in space, and more.

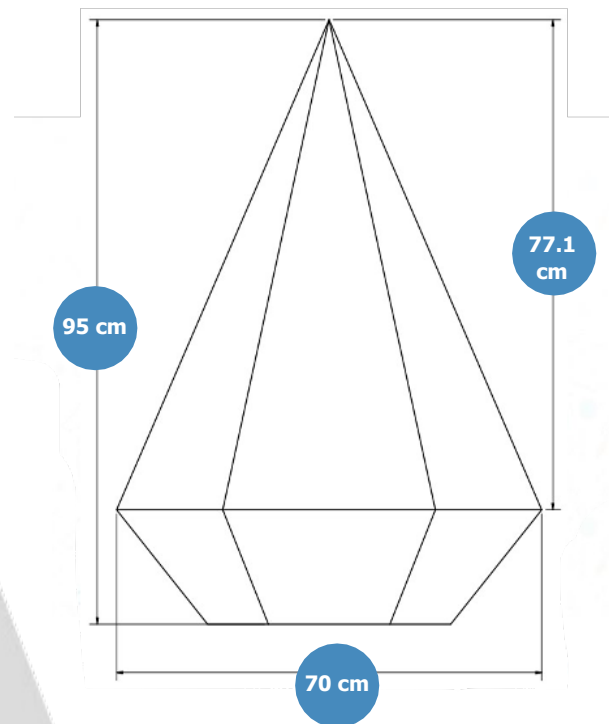
What is the capsule system?

The capsule system consists of a large latex weather balloon inflated with helium to a diameter of about 10 feet, attached by nylon cord to a capsule full of STEM experiments from STEM Americas students, and then released into the atmosphere. Each capsule is about a cubic foot in volume, and it is suspended beneath the balloon, with a parachute between the balloon and capsule. The balloon ascends, expanding as it rises into thinner and thinner atmosphere, driven in whatever direction the wind blows it, collecting data as it goes, until it reaches a height of 80,000 to 100,000 feet. At that point it bursts. As the assemblage descends, the parachute eventually encounters thicker air and the payload drifts downward, to be recovered in a cross-country chase by a pack of enthusiastic students. The experiments are then brought back to the lab and their results analyzed.



What does it look like?

The capsule measurements are as follows:



Your logo
here



Your logo
here