



Costa Rica's Approach MIC6 and MIC7



COSTA RICA IN SPACE

TECSPACE



SETECLab
Space Systems Laboratory

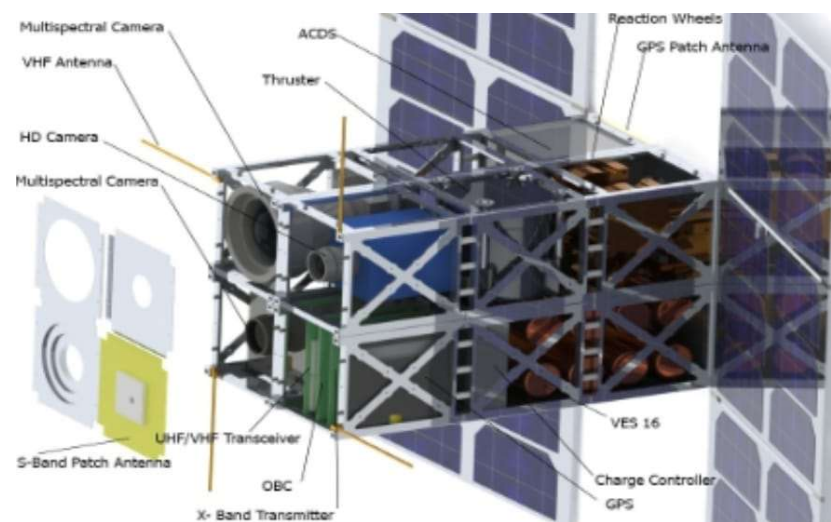


MIC 2017

MIC 5



RETI-SAT



MUSA

An ISS experiment for the research
Of a dual culture for Panama Disease

MIC 2019

MIC 6



MUSA
project

IMPORTANCE OF BANANAS



Around 80% of banana crops are at risk



40 thousand direct and **100 thousand** indirect jobs in Costa Rica.

Generates around **\$8 billion** worldwide.



Part of the **basic diet** for **400 million** people.



Latin America's **economy under threat.**

Costa Rica on **red** alert.



Fusarium Oxysporum f. sp. Cubense race 4.

Produces the denominated **Panama Disease.**

ORGANIZATIONS FIGHTING PANAMA DISEASE



Launched an **emergency project** to help countries in Latin America and the Caribbean **fight the spread** of Fusarium TR4.



Helped declare a **national state of emergency**. Funded projects such as **MUSA** to research the disease.



source:
<http://bananaresearch.org/>

International treaty that applies to countries involved in international trade of commodities **exposed to plant pests**.



IICA and organizations like Bayer, are implementing a **global strategy of tangible actions** against TR4.



PROJECT SO FAR...

From the start the MUSA project has been recognized by the international community as a project with great potential and has proven this by competing in international competitions against other top space related projects.



**MIC First place
& IAA Award**



6th Mission Idea Contest

University of Tokyo, Japan.





PROJECT REACH



Agroindustries

Banana plantations all around the world. Specially in Asia, Africa and Australia.



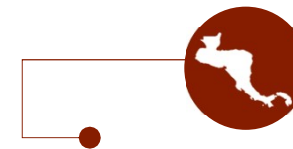
Space Science

First dual culture in space.



Biotechnology

Making way for another perspective in plague biocontrol. And further research in micro-g.



Central America

First Central American experiment to be conducted on board of the ISS.



ORBITAL SPACE TECHNOLOGIES

Founded in 2021.



Development

End to end mission



Consultations

In space mission and subsystems
development



Subsystem & platform sales

Selling validated platforms and subsystems for
experimentation on board of the ISS

PREMIC CENTRAL AMERICA

MIC7



¿Te interesa participar en una competencia internacional en el ámbito espacial?

Te invitamos a proponer una misión de exploración espacial profunda

La misión:
Diseñar una propuesta de nave espacial

*Otros requisitos, por favor llenar el form para más información



No más de 100 kg



Dimensiones máximas 1 x 1 x 1 m



Pensando en órbita cis lunar o de espacio profundo



Fecha de lanzamiento antes del 2030

