



Secretaría
**Nacional de
Ciencia y
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FOR IMMEDIATE RELEASE

Guatemala City, Guatemala and Colorado, USA, June 4, 2025

Guatemala Strengthens Space-Agriculture Ties through Collaboration with Jaguar Space

Guatemala City, Guatemala and Colorado, USA, June 4, 2025 — Jaguar Space is proud to announce a new partnership with Guatemala's National Secretariat of Science and Technology (SENACYT) and the Institute of Agricultural Science and Technology (ICTA) through a jointly signed Memorandum of Understanding (MOU). This agreement marks a new chapter in Guatemala's engagement with space-based scientific research following the country's history with their own Quetzal-1 satellite, and collaborating in three microbiological payloads, two onboard the International Space Station and one around the Moon in NASA's Artemis I mission.

Together, the organizations will work to expand access to space for Guatemalan scientists and students, particularly in the area of agricultural innovation. The initiative will include research into maize—an iconic crop central to Guatemala's history, identity, and nutrition. Both ancestral and wild varieties will be part of efforts to examine how space environments can reveal new insights into seed biology and resilience.

This partnership reflects Jaguar Space's ongoing mission to make space a platform for inclusive scientific advancement, honoring the agricultural roots and future potential of emerging space nations. Jaguar Space's deep roots in Guatemala are reflected in its name, which honors the jaguar—a creature the Maya revered as a bridge between this world and other worlds.

The initiative is aligned with a global experiment designed to explore how exposure to microgravity affects seed germination, gene activation, and metabolic processes. By including maize from Guatemala, the collaboration seeks to generate discoveries with implications for food security, crop resilience, and sustainable agriculture both on Earth and beyond.

Integrating crops native to emerging space nations is essential for building a future of sustainable human presence beyond Earth. These collaborations advance nutritional diversity, preserve cultural identity, and create new scientific pathways. Jaguar Space takes pride in enabling this progress and empowering the next generation of scientists and explorers across emerging space nations.

For more information on the collaboration or media inquiries, please contact: contact@JaguarSpace.net.

About Jaguar Space

Jaguar Space is a bioastronautics and business consulting firm dedicated to advancing science and commerce in space. The company leverages a unique combination of expertise in space science,

engineering, project management, cross-cultural affairs, and business development to help its customers reach their goals faster and more effectively. <https://jaguarspace.net/>

About SENACYT

La Secretaría Nacional de Ciencia y Tecnología (SENACYT) promotes the generation and use of science, technology and innovation, building collaboration spaces between the academic, public, productive and civil society sectors, to drive Guatemala's development. <https://www.senacyt.gob.gt>

About ICTA

ICTA is the public institution that leads agricultural research in Guatemala. Its mission is to generate and promote the use of science and technology to solve problems faced by farmers and that affect social well-being. <https://icta.gob.gt/>