



UNIVERSIDAD
COOPERATIVA
DE COLOMBIA

Invitation to Participate in Minciencias Proposal No. 41

www.ucc.edu.co

Challenge 2. Guarantee Food Sovereignty and the Right to Food

Number:

41

Aim:

Contribute to technological research and development for the generation of knowledge around agroecology implemented by producers such as Peasant, Family, Ethnic and Community Farmers-ACFEC or other forms of sustainable production by creating a list of eligible projects in Science, Technology and Innovation (CTeI) within the framework of Challenge 2 of the Biennial Call Plan 2023 - 2024 "Guarantee Food Sovereignty and the Right to Food"

Thematic Axis

Food Sovereignty and the Right to Food

Addressed to:

This call is aimed at alliances between entities of the SNCTI and of these with other entities, which comply with the provisions of literals a), b), of article 1.2.3.2.2 of Decree 1821 of 20203



Open Call



Available resources:
\$224,017,112,788



Closing in:
04/Oct/2024: 5 pm

Duration and Funding

Execution period: The project implementation period will be up to sixty (60) months.

Funding: An amount of \$224,017,112,788 has been allocated for this call, sourced from the General Royalties System, Allocation for Science, Technology, and Innovation 2023-2024.

In this way, it is expected to fund two (2) projects per region, with a value that must fall within the following range

PROJECT VALUE	FROM	UNTIL
	14.934.474.188	18.668.092.732

Call for Proposals No. 41 of the Biennial Plan of the General Royalties System

Participation objective: To enhance Science, Technology, and Innovation capacities for the production, transformation, and sustainability of farmers in the Caribbean region.

Title: Smart and Sustainable Agriculture Platform Aimed at Improving the Agricultural Sector in the Caribbean Region

- **Specific Objective 1:** To develop and build a small Earth observation satellite for image analysis in precision agriculture and its integration with a complete ground system.
- **Specific Objective 2:** To implement production and raw material transformation technologies to enhance the sophistication of the productive offer.
- **Specific Objective 3:** To strengthen the commercialization process and social appropriation of knowledge to ensure the sustainability of productive systems.



Call for Proposals No. 41 of the Biennial Plan of the General Royalties System



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Partners' Participation

Universidad Popular Autónoma del Estado de Puebla (México)
Universidad de Chitkara (India)
Universidad Cooperativa de Colombia
Cluster Aeroespacial del Pacífico

Aprogaira Frutal-Asociación de campesinos
Agromyss-Empresa
Ecomonte Colombia-Empresa
Universidad Cooperativa de Colombia

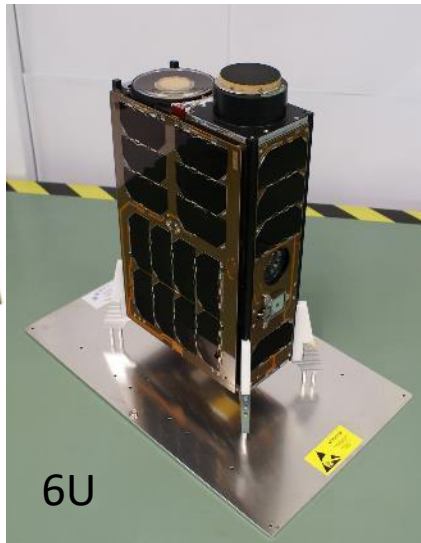
Gobernación del Magdalena
Cámara de comercio de Santa Marta
Organización raizal de jóvenes por el archipiélago
University of Texas Medical Branch (Estados Unidos)
Aprogaira Frutal
Universidad Cooperativa de Colombia
St. Augustine University of Tanzania (Tanzania)
Universidad de Cagliari (Italia)
Ural Federal University (Rusia)
Asociación hortofrutícola de Colombia-Asohofrucol
Cabildo Arhuaco del Magdalena, Guajira, Sierra Nevada
Gatoloko Films

Call for Proposals No. 41 of the Biennial Plan of the General Royalties System

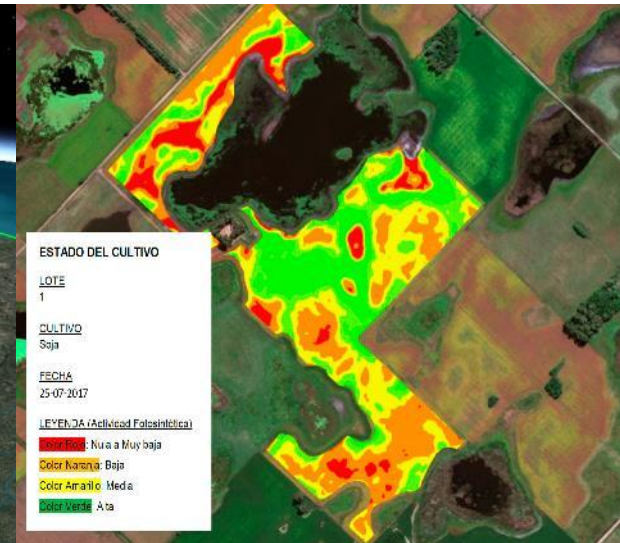
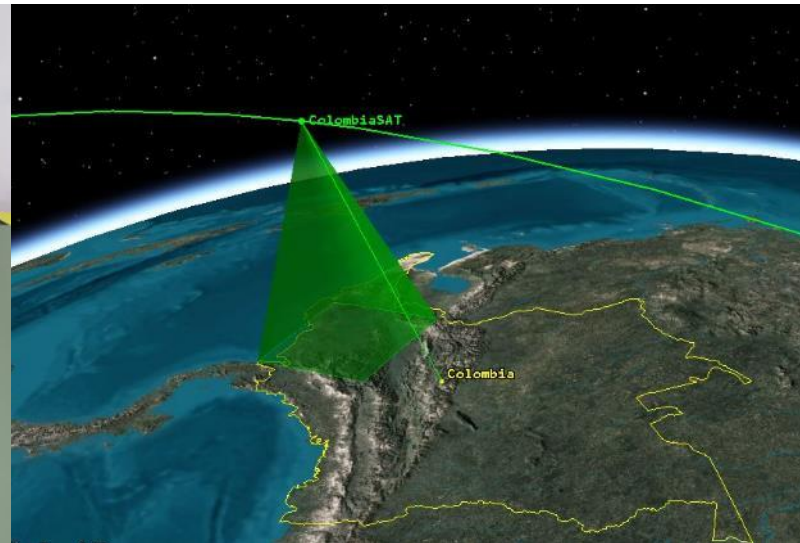
Participation objective: Support in the integration, operation of small satellites, and other areas where they wish to contribute.



Hiperspectral camera



6U



- **Specific Objective 1:** To develop and build a small Earth observation satellite for image analysis in precision agriculture and its integration with a complete ground system.

Background and experience UCC

ECOMONTE COLOMBIA SAS

Universidad Cooperativa de Colombia – Minciencias No. 917 (2023)

Aprogaira

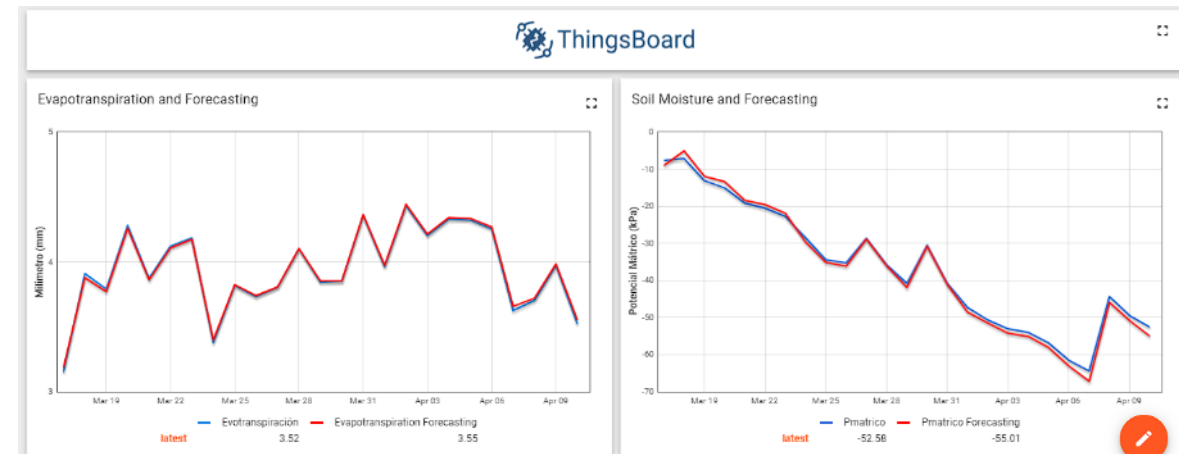
– Minciencias No. 901 (2022)

– Minciencias No. 934 (2024)

Smart Agriculture Platforms



- **Specific Objective 2:** To implement production and raw material transformation technologies to enhance the sophistication of the productive offer.



Other proposals submitted to funding calls



Madera aserrada techo madera



Madera aserrada y techo metálico

Madera aserrada y alambre el techo



Estructura metálica, paredes húmedas y pantallas

Estructura metálica toda

Vegetable Seedbeds:

Centers and communities in various regions of Colombia

Automatización

- Irrigation
- Control of electromechanical devices
- Nutrition
- Artificial intelligence

Other proposals submitted to funding calls



Social appropriation of knowledge component:
Universities and communities in three regions of Colombia

Rodent research

- Prototype of a rodent life-support system
- Feeding system
- Artificial intelligence integration

Other proposals submitted to funding calls



Forest Reserve Conservation:
Alicante River Canyon, a 6,292-
hectare protected area

Automatization

- Satellite monitoring
- Technology in cacao production
- Social impact
- Artificial intelligence



Other proposals submitted to funding calls



ADR 2023:

-Proposal with the Santa Marta Chamber of Commerce



Fontagro 2023:

-Propuesta con:

UDLA - Universidad de las Américas

INIAP - Instituto Nacional de Investigaciones

Agropecuarias

ECOMONTE - ECOMONTE COLOMBIA SAS

FUNDAMANGO - Fundación Mango Ecuador



Association of 22 mango producers and exporting farms

Development of public policies



Departmental Committee on Food and Nutritional Security:

- Department of Economic Development
- Meetings with various stakeholders from the Magdalena Department, bringing together the quadruple helix: society, businesses, academia, and the State
- Gather all projects and proposals to align and develop public policies



**Thank you for your time and
consideration**

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