



**Horizon Europe Brokerage Event  
Cluster 6 Calls 2025**

Warsaw, 27 May 2025

## **SIUCOM: IoT and Big Data for Climate Sustainability**

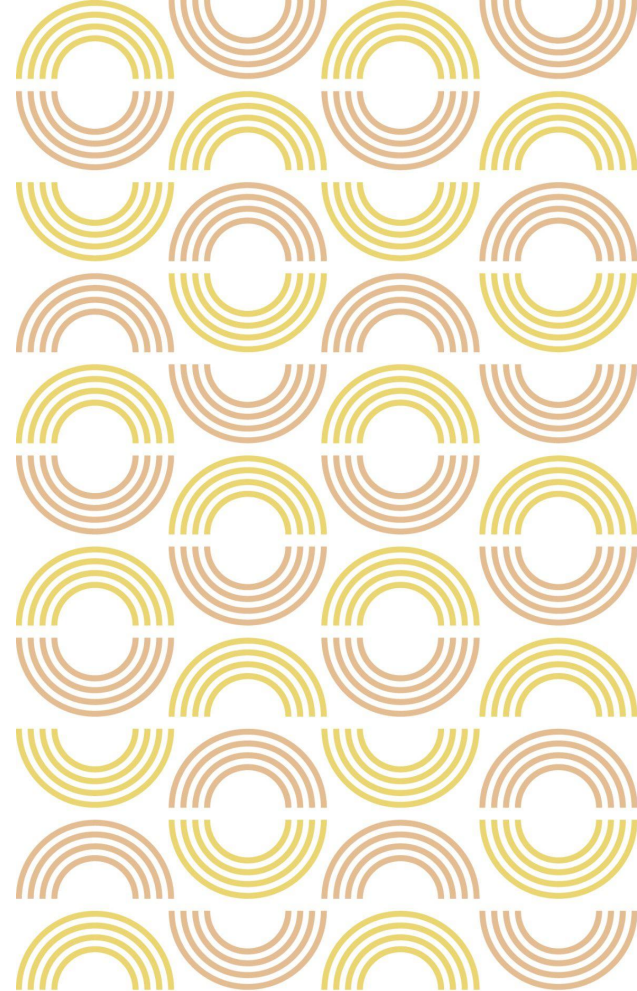
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## Topic(s) addressed:

- - HORIZON-CL6-2024-CLIMA-01-2: Climate-resilient Innovation for a Sustainable Future
- Other interest: HORIZON-CL6-2024-BIODIV-01-6: Enhancing Biodiversity through Climate Adaptation Solutions

- **HORIZON-CL6-2024-BIODIV-01-6:** *Enhancing Biodiversity through Climate Adaptation Solutions.*

*SIUCOM not only provides climate resilience solutions but also actively supports biodiversity protection through its IoT and Big Data systems.*

*For example, its pilot project in Spain focuses on sustainable agriculture and ecosystem monitoring .*

*By listing topics like biodiversity and climate adaptation, SIUCOM broadens its relevance across multiple Horizon Europe areas, increasing opportunities for partnerships and funding.*

*This approach is strategic and backed by real-world applications — not just theoretical interest.*

## Project idea

**SIUCOM has developed Central America's largest private IoT sensor network, with over 2,500 active devices focused on climate and environmental monitoring.**

The project aims to expand this climate resilience network into Europe and Latin America, enhancing early warning systems and supporting data-driven agricultural, health, and financial decision-making.

Our technology operates independently of internet and electricity, providing continuous, real-time climate information even in remote areas.

Pilot projects are currently underway in Guatemala, Honduras, Bolivia, and Spain, demonstrating adaptability across diverse geographies.

We are forming a core consortium including financial institutions, agricultural cooperatives, and research centers, and are seeking additional partners specializing in biodiversity monitoring, rural development, and climate finance innovation.

# Main expertise offered / sought

## Expertise Possessed:

- Design and deployment of autonomous IoT sensor networks for climate and environmental monitoring.
- Big Data management and AI-driven predictive analytics for early warning systems.
- Development of tailored agroclimatology services for small farmers, financial institutions, and public sector stakeholders.

## Involvement in Previous/Ongoing Projects:

- Consolidated deployment in Guatemala with over 2,500 active IoT devices.
- Pilot expansions in Honduras and Bolivia, focusing on climate resilience for financial risk management.
- European pilot underway in Spain (Andalusia) for agricultural climate adaptation and biodiversity monitoring.

## Role in Project:

- SIUCOM can act as **Coordinator** or **Partner**, leading technological development, climate data analysis, and predictive modeling activities.

## Requirements for Additional Partners (Expertise Sought):

- Expertise in agricultural adaptation and rural innovation.
- Organizations specializing in biodiversity conservation and climate risk assessment.
- Financial institutions seeking to enhance resilience through sustainable insurance and risk management solutions.

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