

 **GREEN CUBES**

# Unleashing natural Capital in the Maya Biosphere Reserve

ACOFOP – Making nature visible



## ACOFOP: The Protectors of the Maya Biosphere Reserve

ACOFOP is a community-based, non-profit association registered in Guatemala as a second-tier entity, representing 24 grassroots community and Indigenous organisations. These groups conserve more than 500,000 hectares of broadleaf tropical forest in the Multiple Use Zone of the Maya Biosphere Reserve (MBR), through a low-impact, sustainable management strategy that ensures the long-term preservation of the forest and the responsible, harmonious use of timber and non-timber forest products. ACOFOP has more than 15,000 direct beneficiaries and over 70,000 indirect beneficiaries.

### “The forest flourishes in the hands of its people.”

Since 1995, ACOFOP has helped member organisations secure formal rights to conserve and sustainably manage the forests of northern Guatemala. Today, 13 community management units operate under what is widely recognised, both nationally and internationally, as “ACOFOP’s successful community forest management model in Guatemala.” ACOFOP upholds the principle that “the forest flourishes in the hands of its people,” because no ally is more effective in protecting and conserving biodiversity than local communities. Together with community members, ACOFOP has implemented a low-impact forest management and conservation system certified under FSC international standards.

### Protecting one of the largest tropical forests north of the Amazon

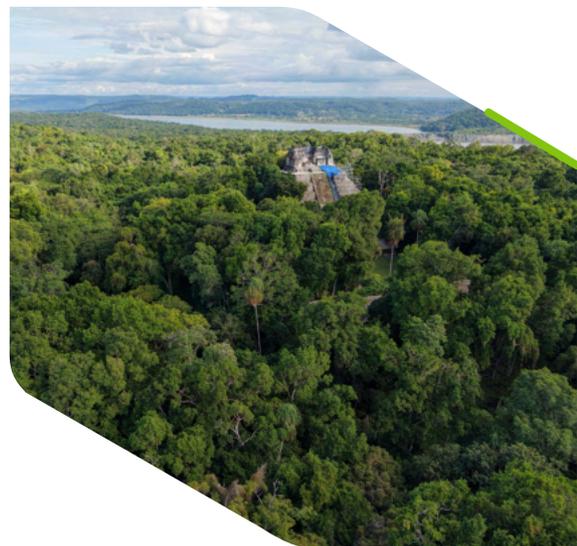
This work takes place in a protected area designated by UNESCO as the Maya Biosphere Reserve, located in the northernmost region of Guatemala, in the department of Petén. The area borders Mexico to the north and west and Belize to the east, forming part of the larger Maya Forest—the largest tropical forest in the Americas after the Amazon. The Maya Biosphere Reserve covers 2,090,667 hectares, making it the largest protected area in Guatemala. Conserving the Maya Biosphere Reserve is critical because it safeguards one of the largest remaining tropical forests north of the Amazon—the heart of the tri-national Selva Maya (Guatemala, Mexico, Belize)—and protects globally significant biodiversity and vital ecosystems that support both wildlife and local communities.

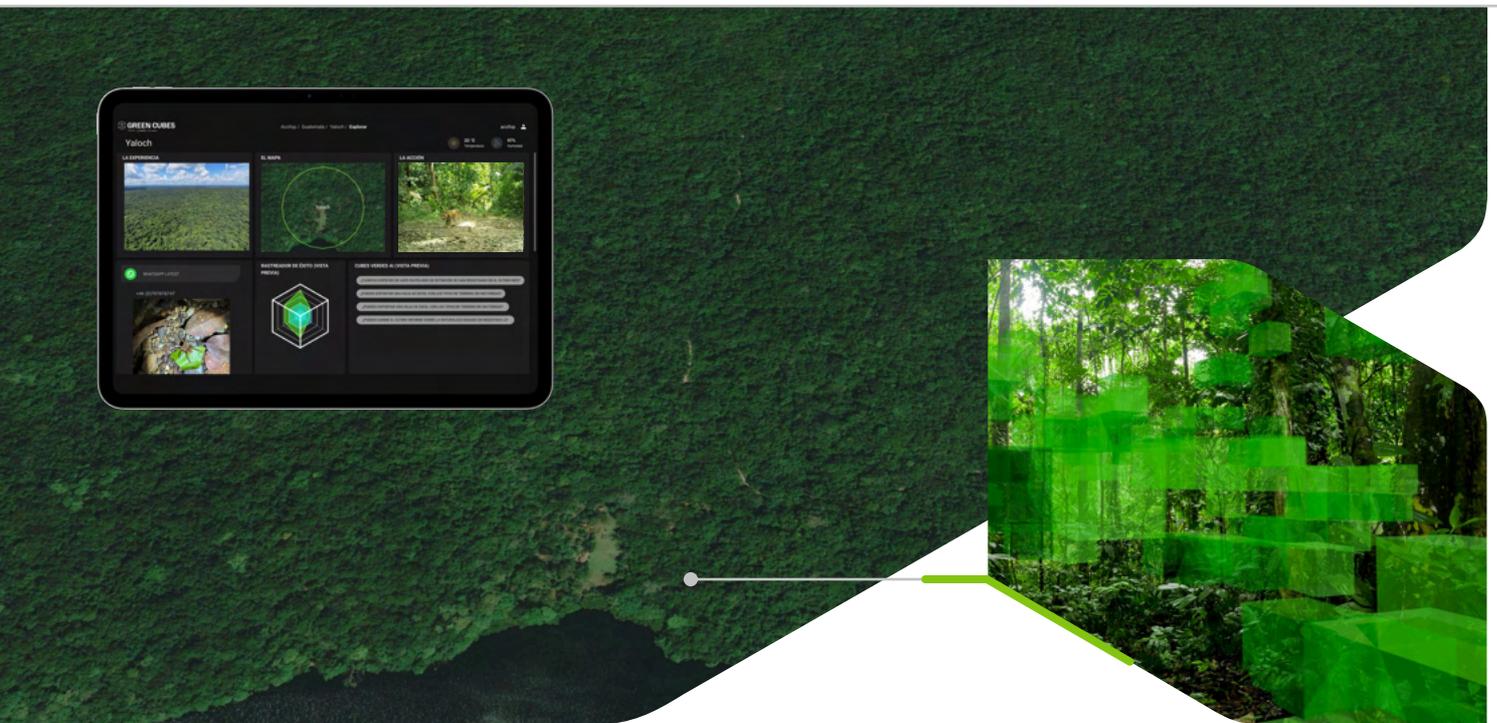


*An overview of the Maya Biosphere Reserve*



*Sustainable forest management include keeping 30% of commercial trees standing, and FSC certification.*





## Activating Green Cubes at the Maya Biosphere Reserve

Through Green Cubes’ cutting-edge technology, ACOFOP is making nature visible and unlocking natural capital. The organisation is now offering Green Cubes for sponsorship, each one contributing directly to the restoration and conservation of nature and biodiversity. These efforts support sustainable community forest management within the Maya Biosphere Reserve, near the Yaloche Lagoon and Biological Station, in the El Esfuerzo community forest concession.

## Making nature visible through a single pane of glass

All data is integrated into the Green Cubes platform, providing a single digital window into the forest. Beyond quantifying the cubic-metre volume of the forest, the platform offers an immersive experience of the areas managed by ACOFOP’s communities as they are being scanned — giving sponsors the opportunity to acquire virtual certificates that contribute not only to making nature visible, but also to the ongoing management and conservation of the forests of the Maya Biosphere Reserve.

## Multi-dimensional measurements, creating the full digital twin

ACOFOP and Green Cubes are capturing the complexity and richness of the forests of the Maya Biosphere Reserve through multi-dimensional data collection, including aerial mapping, 360° drone and ground imaging, and in situ monitoring using both visual and acoustic data gathered by community members and Hexagon. The initial phase, covering a 10-hectare area, will generate—by early 2026—the first 4,145 Green Cubes (m<sup>3</sup>) available for sponsorship, accessible through the Green Cubes digital platform.





## Green Cubes sponsorship to support forest restoration

ACOFOP's Green Cubes Sponsorship offers a new way for local actors to directly support the management and conservation of the Maya Biosphere Reserve. Without dedicated financing, ACOFOP's forest monitoring and patrols cannot fully protect this vast and biodiverse landscape. Green Cubes uses cutting-edge technology to make nature visible, measurable, and valuable — transforming cubic metres of forest into sponsored units of natural capital.

By sponsoring Green Cubes, supporters help safeguard community-managed forests while gaining an immersive virtual experience to share with their customers — generating business value and bringing the heart of the Maya Biosphere Reserve to life.

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**Impact:** Protect local biodiversity in the heart of Petén, Guatemala's natural treasure.

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**Differentiation:** Make your enterprise or organization stand out from competitors by partnering with ACOFOP Maya Biosphere Reserve.

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**Customer experience:** Give meaning to your organization and increase awareness and social & environmental responsibility. Organizations are helping to conserve rainforests through their contribution.

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**New revenue stream:** Organisations are encouraged to sponsor Green Cubes within their business, unlocking a new revenue stream through natural capital.

## Money for enhanced activities. Unlocking natural capital

Green Cubes enables ACOFOP to unlock new capital, strengthen community-led forest protection, and set a new benchmark for transparent, data-driven conservation, making the true value of their forests visible to the world.



For the forest communities of the Maya Biosphere Reserve, making our forests visible through Green Cubes is not just about technology—it's about showing the world the value of the forest communities' work and the richness of our land and forests.”



– Marcedonio Cortave, Executive Director, ACOFOP.



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