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02.03.23

Reforestation and Teal Carbon
Mexico

Saving the wetland forests of the Maya Jungle

Sustainable land-use practices, reforestation, and the installation of clean energy infrastructure. - Ejido Nuevo Bécab, **Campeche, Mexico**

Nuevo Bécál

Sustainable land-use practices, reforestation, and the installation of clean energy infrastructure,

Ejido Nuevo Bécál,
Campeche, Mexico

VCS CCB (expected) 17 SDG's

ARR

Afforestation, Reforestation & Revegetation

IFM

Improved Forest Management

WRC

Wetland Restoration & Conservation

Location:
Mexico

Description:

The Nuevo Bécál project is a progressive community initiative to improve the economic and social conditions of all within the Ejido Nuevo Bécál while protecting the region's rich biodiversity. It is a Teal Carbon project and the first of its kind to incorporate Afforestation, Reforestation and Revegetation, Improved Forestry Management and Wetland Restoration and Conservation.

Through carbon financing, the 51k hectares of inland wetland forest, could remove and reduce a further 20 million tonnes of carbon over 30 years. Zere's partnership with the Ejido ensures full project budgetary transparency, and guarantees that the vast majority of proceeds go to the Ejido owners.

Project History:

The Nuevo Bécál project is a partnership between Zere and Ejido Nuevo Becal, a community in the Municipality of Calakmul, Campeche, Mexico. [The Ejido has been an FSC-certified forest since 2018](#), recognising it as one of the largest pristine forests in the region and its enrichment of local biodiversity. It is known for its innovative forestry techniques, protection of endangered species, and being one of the greatest preservation projects in the Americas.

The Ejido has been protecting its forests and wildlife for decades, recognizing the critical importance of the natural resources in the region.



The partnership with Nuevo Bécál is an opportunity to protect a significant area of natural resources while also promoting sustainable development practices.

Unfortunately, the lack of economic opportunities and development in the region has threatened the sustainability of these practices. Motivated by this threat, Zere, and the lead technician and investigator for Nuevo Bécál decided to partner to ensure this critical part of the Maya Forest is protected for generations to come.

The partnership with Nuevo Bécál is an opportunity to protect a significant area of natural resources while also promoting sustainable development practices. Through the partnership, Zere is working closely with the community to ensure that their needs and interests are considered in the project, while promoting the protection of natural habitats and biodiversity in the region.

Carbon Standard:

The project is seeking certification under Verra's international Verified Carbon Standard (**VCS**) and expects to be awarded the Verra Climate, Community and Biodiversity (**CCB**) standard.

It will be the first project to measure carbon on wetland forests in the Americas, which will help expand our knowledge of the value of wetlands as carbon sinks.

Teal Carbon:

Teal Carbon is a form of Blue Carbon involving the preservation and restoration of fresh water (non tidal) wetlands. They have the capacity to regulate greenhouse gasses, however the degradation due to changes in land use, pollution and water extraction can release high levels of carbon and methane back into the atmosphere.

Community Gain:

The communities stand to gain economic growth and job opportunities in sustainable land-use practices and other areas. The project will also provide access to clean water and improve the quality of life for the community through the implementation of new technologies and infrastructure. Additionally, the community will receive 70% of the proceeds after expenses from the sale of carbon credits, providing an additional source of income.

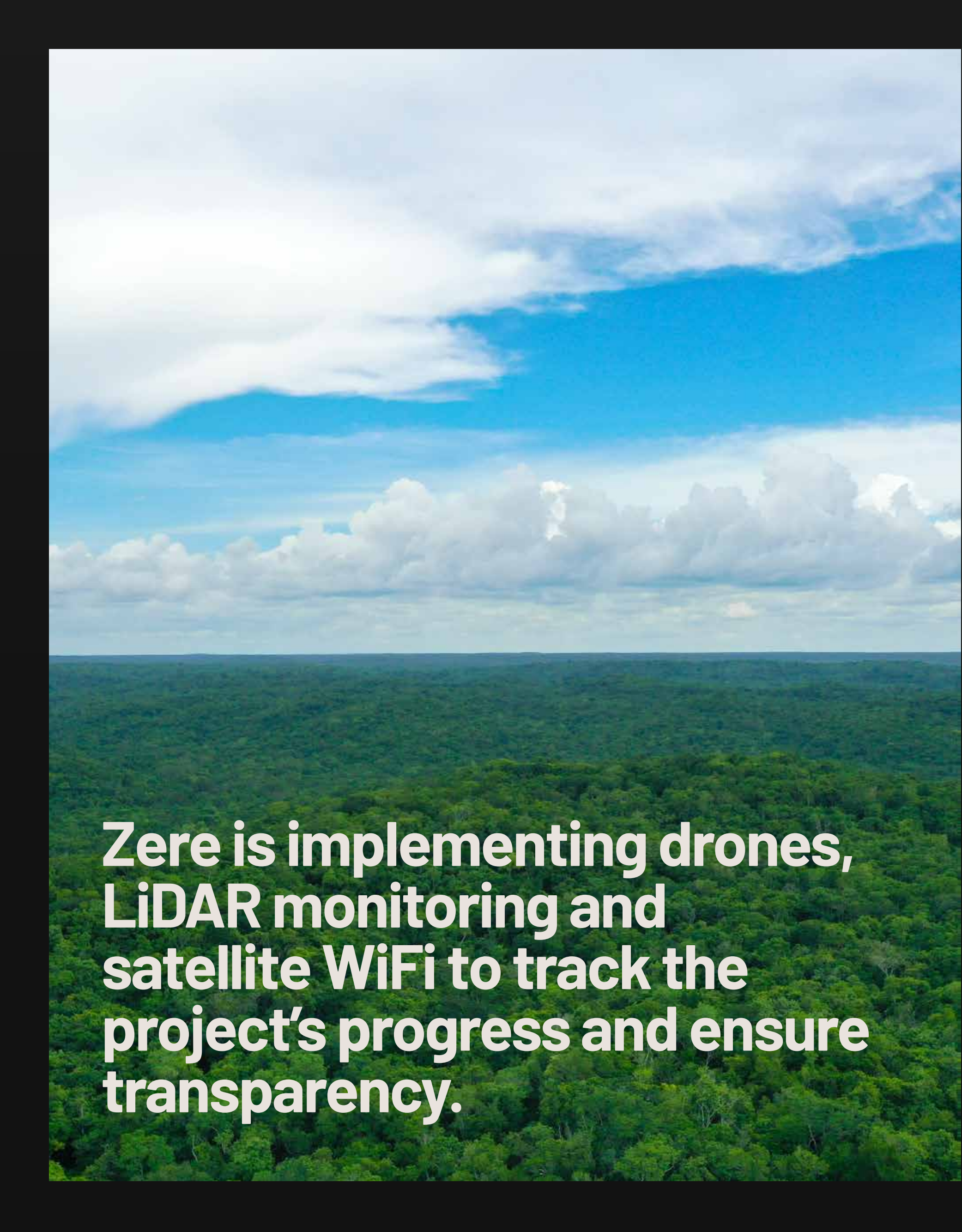
Term:

The project is seeking carbon financing to run for at least 30 years.

Financing:

For the full financing proposal to participate in this project or become a foundation buyer of the future carbon credits generated login to [emsurge carbon](https://www.emsurgecarbon.com) or contact the commercial team at carbon@emstream.co.uk to sign up.





Zere is implementing drones, LiDAR monitoring and satellite WiFi to track the project's progress and ensure transparency.

The project will support the production of **sustainable products from the Ejido**

The role of **technology**:

To ensure the quality of the carbon credits generated by the project and expand our understanding of Teal Carbon, Zere is investing in local laboratory infrastructure to continually monitor the soil samples in the region. These efforts will be complemented by the implementation of drone and LiDAR technology to monitor the health of the forests and fauna in the area. This will also help detect any illegal activities and provide early warning signs of potential problems.

The project will also make investments to support the production of sustainable products from the Ejido, such as lumber, honey, and Maya Nut. The goal is to bring these products to market, which will help support the local economy and further incentivize sustainable land-use practices.

The role of **Zere**:

Zere, working together with Nuevo Bécacal are the primary developers of the project, providing the expertise in sustainable land-use practices and community development. Zere will oversee all stakeholder engagement processes in Mexico, including coordinating activities with the Mexican government to help to ensure that the project receives all necessary approvals with the government and other stakeholders.

Zere has been granted the rights to develop and market carbon credits on behalf of Ejido Nuevo Bécacal as part of a partnership agreement. Zere is also implementing remote monitoring technology using drone and satellite technology to track the project's progress and ensure transparency.

Zere is bringing in new technologies and infrastructure, such as satellite connectivity, water generation equipment, and sanitation equipment, to improve the quality of life for the community and promote sustainable land-use practices.



Reforestation & Teal Carbon Campeche, Mexico

VCS CCB (expected) 17 SDG's
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1. No Poverty:

Through the implementation of sustainable land-use practices, the project aims to increase the income of landowners and create job opportunities in Nuevo Bécál and the surrounding communities. The money generated by the project will bring opportunities and capital to the region, which suffers from a crippling lack of employment and income opportunities.

2. Zero Hunger:

The project is providing organic fertilizers to the Ejido, and aims to promote sustainable agriculture practices that increase crop yields, improving food security in the region.

17 SDG's, 1-17



3. Good health and well-being:

The project provides for equipment and infrastructure to generate water from the atmosphere, providing access to clean drinking water for the community. The project is also using on-site HOCL generators for water sanitation and developing technologies with partners from the National University of Mexico for the elimination of nitrates from the area through the use of bacteria.

4. Quality Education:

The project provides educational opportunities for the community in sustainable land-use practices and other areas.

5. Gender Equality:

The project promotes equal access to economic opportunities for all members of the community, regardless of gender.

6. Clean water and sanitation:

The project aims to improve water management and access to clean water through the implementation of sustainable land-use practices and the use of new technologies for water generation and sanitation.

7. Affordable and Clean Energy:

The project provides for the installation of clean energy infrastructure, such as solar panels and biogas digesters, to provide access to clean energy for the community.

8. Decent work and economic growth:

The project aims to create job opportunities in sustainable land-use practices and the sale of carbon credits, providing economic growth for the community.

9. Industry, Innovation, and Infrastructure:

The project is bringing in new technologies, such as remote monitoring technology, satellite connectivity, and water generation infrastructure, to improve the infrastructure in the region.

10. Reduced Inequalities:

The project promotes equal access to economic opportunities for all members of the community, regardless of socioeconomic status.

11. Sustainable Cities and Communities:

The project promotes sustainable land-use practices and the protection of natural habitats and biodiversity, creating a more sustainable and resilient community.

12. Consumption & Production:

The project supports sustainable, responsible management of lumber, honey, and Maya Nut products, which are all authorized for sustainable management.

13. Climate action:

The project generates carbon credits and promotes sustainable land-use practices, which help to mitigate the effects of climate change.

14. Life Below Water:

The project promotes the protection and restoration of wetlands, which are critical habitats for aquatic life.

15. Life on land:

The project promotes the protection and restoration of forests, which are critical habitats for wildlife and plant species.

16. Peace, Justice, and Strong Institutions:

The project involves the local communities in the decision-making process and ensures that they receive 70% of the proceeds after expenses, promoting peace, justice, and strong institutions.

17. Partnerships for the Goals:

The project is a partnership between Zere, Ejido Nuevo Bécál, and other project partners, working together to achieve the Sustainable Development Goals.



Reforestation & Teal Carbon **Campeche, Mexico**

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Permanence over the project lifetime:

Zere is putting community involvement, infrastructure, social and financial benefits at the heart of the project to ensure long lasting engagement with preserving nature. The projects likelihood of long term success is ensured through the utilisation of traditional sustainable land-use practices and the protection of natural habitats and biodiversity.

Why did you choose Emstream and their Emsurge platform as a route to market?

We are impressed by the quality of the platform and the extensive market reach and relationships built by the team within the carbon market.

What's next for **Zere**?

Zere is continuing to develop and expand its portfolio of natural carbon capture projects, including an additional 50,000 ha of blue carbon projects in Mexico, and is working to establish relationships with global buyers and intermediaries to sell carbon credits.

Zere is also investing in new technologies and infrastructure to improve the quality of life for communities in its projects and promote sustainable land-use practices.

Through carbon financing the rich biodiversity of the Campeche region **can be preserved and protected for generations to come**

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Campeche, Mexico

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Information correct as of **02.03.23**
for the most up to date info log into [emsurge](#)
or contact us at

carbon@emstream.co.uk

A large, inverted triangle graphic filled with an aerial photograph of a dense, vibrant green forest. The triangle is centered on the page and serves as a background for the central text.

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