



SDG REPORT – CAR1864

(Annex to the Project Contributions to Sustainable Development Goals - Reporting Tool)

General Information. First Reporting Period	
Reserve's ID for Project	CAR1864
Project Name	BONOS AROMA DEL MAYAB
Project Developer	THEEARTHLAB S.A. de C.V.
Project Owner	Ejido Caoba
Protocol	Mexico Forest Protocol, Version 3.0.
Project Location (city, region, country)	Ejido Caoba, Quintana Roo, México
Start date of Project's first credit period	March 15th, 2021
Closing date of Project's first credit period	March 14th, 2022
Project Implementation Partners	BONOS DE CARBONO MESTIZO S.A.P.I. DE C.V. (BCO2M)

General Information. Second Reporting Period	
Reserve's ID for Project	CAR1864
Project Name	BONOS AROMA DEL MAYAB
Project Developer	THEEARTHLAB SA de CV
Project Owner	Ejido Caoba
Protocol	Protocolo Forestal para México, Versión 3.0.
Project Location (city, region, country)	Ejido Caoba, Quintana Roo, México
Start date of Project's second credit period	15-marzo-2022
Closing date of Project's first credit period	14-marzo-2023
Project implementation partners	BONOS DE CARBONO MESTIZO S.A.P.I. DE CV (BCO2M)

Contribution of Project to the UN's 2030 SDGs

Project's Expected Contribution at End of Life	Name of SDG	SDG Number	Description of SDG	Search Code	SDG Target	SDG Indicator Number	SDG Indicator	Net Impact on SDG Indicator (Increase/Decrease)	Project Document Reference Section	Additional Monitoring/Reporting or Impact Measurement
The Project will increase the annual income of the ejidos through the sale of CRT's generated by the Project, additionally, field work and risk management activities will be carried out by <i>ejido</i> landowners and community members. The international poverty line in 2023 is \$2.15 USD/day, in the state of Quintana Roo, Municipality of Othón P. Blanco, in the rural portion, 49.3% of the population lives below the rural poverty line, which has a value of \$3.29 USD/day. The inhabitants of this site are 49.2% men and 50.8% women.	End to Poverty	1	End poverty in all its forms everywhere	Target_1	1.1 By 2030, eradicate extreme poverty for all people everywhere, currently measured as people living on less than \$1.25 a day.	1.1.1	1.1.1 Proportion of population below the international poverty line, by sex, age, employment status and geographical location (urban/rural).	Decrease	4.1 Social Safeguards	Payments for field work above the International Poverty Line



The *Aroma del Mayab* Carbon Project has not sold any CRT and therefore, there has been no income for the Ejido from the sale of CRT. However, for the field work activities of the forest inventory of the Carbon Project, a total of 14 temporary jobs were created (13 inventory personnel, 1 transportation), since each team was paid according to the parcel information. delivered on average each person earned \$7,125.00MXN or \$419.12 USD for an income of five days of work, that is, \$1,425.00 per day or \$83.82 USD. These averages were calculated using field work data from the Carbon Project Forest inventory for 3 plots/day and a five-day work week for brigade leader and brigade member. The field work was carried out from August 1, 2023, to November 2, 2023.

Valor de ingreso por línea de pobreza para el año 2023, con tasa de cambio de \$1 USD=\$17 MXN <https://sistemas.coneval.org.mx/InfoPobreza/Pages/wfrLineaBienestar?pAnioInicio=2016&pTipoIndicador=0> (Fecha de la información 14/feb/2024).

Salario mínimo a enero 2024, \$278.93 MXN, \$16.41 USD, para la categoría Máquinas para madera en general, oficial operador(a) de [Tabla de Salarios Mínimos 2024.pdf \(www.gob.mx\)](#) (Fecha de la información 14/feb/2024)

La población en el municipio de Othón P. Blanco está compuesta por 49.2% de hombres y 50.8% de mujeres de acuerdo al Censo de Población y vivienda de 2020 <https://gaia.inegi.org.mx/scince2020/> (Fecha de la información 20/mayo/2024) usamos este porcentaje para el valor de los centros de población de Caobas y San José de la Montaña que integran el Ejido Caoba.

THE EARTH LAB	SOLICITUD DE PAGO A BRIGADAS PARA PROYECTOS DE CARBONO	Código: 17.F.SPB
		Versión: 00
Nombre y cargo del solicitante	Luis Reynaldo Flores Gutierrez Supervisor de Campo	
Fecha de Solicitud	Semana del 27 al 02/10/2023	
Nombre del Proyecto	Bonos Aroma del Mayab	
Nombre del Dueño Forestal	Ejido Caoba	
Presupuesto de Gastos por Proyecto de	Proy. CO2 Q.Roo	

DATOS DEL PRESUPUESTO POR PROYECTO			PAGO SOLICITADO			OBSERVACIONES
Cuenta	Subcuenta	Descripción	Precio Unitario	Cantidad	Total	
40 Trabajos de Campo (Dueño del Proyecto)	40.3 Pago a destajo por parcela	Levantamiento parcela precio base, brigadista	\$250.00	0	\$0.00	
40 Trabajos de Campo (Dueño del Proyecto)	40.3 Pago a destajo por parcela	Levantamiento parcela de difícil acceso, brigadista	\$350.00	30	\$10,500.00	Se realizaron 10 parcelas con tres brigadistas de difícil acceso
40 Trabajos de Campo (Dueño del Proyecto)	40.3 Pago a destajo por parcela	Levantamiento parcela base, líder de brigada	\$400.00	0	\$0.00	
40 Trabajos de Campo (Dueño del Proyecto)	40.3 Pago a destajo por parcela	Levantamiento de parcela de difícil acceso, líder de brigada	\$550.00	10	\$5,500.00	Se realizaron 10 parcelas de difícil acceso
40 Trabajos de Campo (Dueño del Proyecto)	40.3 Pago a destajo por parcela	Bono productividad	\$100.00	170	\$17,000.00	Los bonos solicitados son de acuerdo a los analisis efectuados por el personal de captura
40 Trabajos de Campo (Dueño del Proyecto)	40.4 Flete para llegar a la parcela	Vehículo, gasolina y chofer			\$8,900.00	Ver pestaña moto_gasolina-chofer
Total					\$41,900.00	Se realizaron en total 10 parcelas de difi
Aprobado por		Biól. Gonzalo Sanchez Santos, Gerente de Proyecto				

EJIDO CAOBA, Q. ROO
 Municipio de Parcelas de Carbono
 "Bonos Aroma del Mayab"

FORMATO DE LISTA DE RAYA

Nombre del subproyecto: Monitoreo de Parcelas de Carbono
 Estado: QUINTANA ROO Fecha de pago: 27-10-2023 Al 02-11-2023.
 Lugar: Caoba, Othón P. Blanco, Quintana Roo.

Nº	Nombre del evento o productor	Importe pagado	Firma o huella digital
1	APR	\$ 5,175.00	
2	BRIG	\$ 4,875.00	
3	LAR	\$ 3,225.00	
4	LETA	\$ 6,750.00	
5	RETA	\$ 4,755.00	
6	LETA	\$ 5,355.00	
7	MOB	\$ 3,755.00	
8	VIC	\$ 3,635.00	
9	ARMA	\$ 1,875.00	
10	OBSE	\$ 2,400.00	
11			
12			
13			
14			
15			
16			
17			
18			
Total		\$41,900.00	






Fig. 1 Request of payments to Brigades of Carbon Projects and payment format. Raya list of the week.

Project's Expected Contribution at End of Life	Name of SDG	SDG Number	Description of SDG	Search Code	SDG Target	SDG Indicator Number	SDG Indicator	Net Impact on SDG Indicator (Increase/Decrease)	Project Document Reference Section	Additional Monitoring/ Reporting or Impact Measurement
100% of the Project Owners are <i>ejido</i> landowners, have secure rights over land ownership and have legally recognized documentation in this regard that describes their rights. The 319 <i>ejido</i> landowners are 76.8% men and 23.20% women.	End to poverty	1	End poverty in all its forms everywhere.	Target_1	1.4 By 2030, ensure that all men and women, in particular the poor and the vulnerable, have equal rights to economic resource, as well as access to basic services, ownership and control over land and other forms of property, inheritance, natural resource, appropriate new technology and financial services, including microfinance.	1.4.2	1.4.2 Proportion of total adult population with secure tenure rights to land, a) with legally recognized documentation, and b) who perceive their rights to land as secure, by sex and type of tenure.		3.1 Land Tenure and Corresponding Documentation	



Ejido Caoba is made up of 319 *ejido* landowners, of which 245 are men and 74 are women, representing 76.8% and 23.20% respectively. The list of names is confidential information. In the Assembly Minutes where the Carbon Project was authorized with date March 14, 2021, of 150 *ejido* landowners on the list, of which 150 are men and 26 are women (85.23% and 14.77%).

Project's Expected Contribution at End of Life	Name of SDG	SDG Number	Description of SDG	Search Code	SDG Target	SDG Indicator Number	SDG Indicator	Net Impact on SDG Indicator (Increase /Decrease)	Project Document Reference Section	Additional Monitoring/ Reporting or Impact Measurement
<p>Within the Carbon Project, training will be carried out for its operational participants, both the Forest Owner and the Project Developer, at least once a year. Within the Carbon Project, training open to the public will be held at least every fifth year. The goal is to reach at least 20 attendees per training each year, with a call for equal access for men and women with technical, academic or non-academic training. During the life of the Project, at least 100 training sessions will be held aimed at its operational participants and 20 open to the public, for a total of 120 training sessions. These training events would not be carried out without the Project.</p>	Quality Education	4	Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all.	Target_4	4.3 By 2030, ensure equal access for all women and men to affordable and quality technical, vocational and tertiary education, including university.	4.3.1	4.3.1 Participation rate of youth and adults in formal and non-formal education and training in the previous 12 months, by sex.	Increase	4.1 Social safeguards 4.2.5 Sustainable use practices	The Project has carried out different trainings since 2021, the participants are between 25 and 56 years old, the majority are within the range of 30-40 years old, 36% are women and 64% are men.



The *Aroma del Mayab* Carbon Project has carried out different trainings since 2021, the participants are between 25 and 56 years old, the majority are within the range of 30-40 years old, 36% are women and 64% are men:

W: Woman M: Man

Training, Forestry Technicians 07-09-21 (W1, M3)

Training, Baseline Aug 27, 21 (W 5, M 10)

Training, Safeguards Aug 27, 21 (W 5, M 10)

Training, Forest Inventory 02-Apr-22 (W 3, M 4)

Training, Botanical identification Mar 17, 22 (W 3, M 3)

Charrete *Bonos Jaguar del Mayab* Workshop August 24, 2022 (W 8, M 14)

Training for initial Forest Inventory Survey for the Carbon Project under the criteria of the Forest Protocol for Mexico V.3.0 01-August-2023 (W 3, M 5).



Capacitación a los brigadistas por el Mtro. Juan Pablo Caamal



Palabras de Bienvenida por el Coordinador de Proyecto del Ejido Caoba, Sr. Guillermo Galván Hernández



Entrega de materiales.



Capacitación en campo



Lista de Asistencia

Nombre del proyecto: Bonos Aroma del Mayab
 Capacitación: Levantamiento de Inventario Forestal Inicial Por el Proyecto de Caoba bajo los criterios del Protocolo Forestal para México V.3.0.
 Dueño Forestal: Ejido Caoba Día: 1 Mes: agosto Año: 2023

Nombre	Datos de contacto	Firma
Ara L	E. Caoba	
Eddi	E. Caoba	
Hisd	E. Caoba	
Mario	E. Caoba	
Braulo	E. Caoba	
Miguel	E. Caoba	
Miguel	E. Caoba	
Miguel	E. Caoba	
Miguel	E. Caoba	

Formato 01. 2CH. LA - Proporcionado por The Earth Lab
 Contacto: proyectos@earthlab.mx

THE EARTH LAB

Fig. 2 Photos of indoor and in field training, attendance list of the training “Initial Forest Inventory Survey for the Carbon Project under the criteria of the Forest Protocol for Mexico V.3.0”.

THE EARTH LAB

TALLER DE IDENTIFICACIÓN BOTÁNICA Y MEDICIONES DE PARCELAS PARA EL PROYECTO DE CARBONO EN EJIDO CAOBA. 19 DE MARZO 2022



Fig. 3 Botanical Identification Workshop March 19, 2022



Fig. 4 Baseline Training and Training, Safeguards



Fig. 5 Workshop, Charrette *Bonos del Jaguar del Mayab* August 24, 2022

Project's Expected Contribution at End of Life	Name of SDG	SDG Number	Description of SDG	Search Code	SDG Target	SDG Indicator Number	SDG Indicator	Net Impact on SDG Indicator (Increase/Decrease)	Project Document Reference Section	Additional Monitoring/ Reporting or Impact Measurement
At least the Project Coordinator at Climate Action Reserve and one other person will acquire the computer-related ICT skills defined by the International Telecommunication Union (ITU) to carry out the monitoring of Project activities. During the training event open to the public, training will be given so that attendees acquire ICT skills to support social and environmental issues of the Project. The goal is for at least 20 attendees to acquire the skills at each event.	Quality Education	4	Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all.	Target_4	4.4 By 2030, substantially increase the number of youth and adults who have relevant skills, including technical and vocational skills, for employment, decent jobs and entrepreneurship.	4.4.1	4.4.1 Proportion of youth and adults with information and communications technology (ICT) skills, by type of skill.	Increase	4.1 Social safeguards	



At the time of writing this report, the Project had not sold CRTs, therefore these trainings have not yet been carried out. Once the resource for the sale of CRTs is available, they will be scheduled and carried out.

Project's Expected Contribution at End of Life	Name of SDG	SDG Number	Description of SDG	Search Code	SDG Target	SDG Indicator Number	SDG Indicator	Net Impact on SDG Indicator (Increase/Decrease)	Project Document Reference Section	Additional Monitoring/Reporting or Impact Measurement
100% of the Calls and access to Assemblies where the Carbon Project is discussed are carried out in accordance with the Agrarian Law and the internal regulations of the <i>Ejido</i> Caoba. This instrument promotes, enforces and monitors gender equality and attendance in Ejidal Assemblies, calling without distinction to men and women members of the Assembly.	Gender Equality	5	Achieve gender equality and empower all women and girls	Target_5	5.1 End all forms of discrimination against all women and girls everywhere.	5.1.5	5.1.1 Whether or not legal frameworks are in place to promote, enforce and monitor equality and non-discrimination on the basis of sex.		4.1 Social safeguards	



1) The Political Constitution of the United Mexican States Art. 1. "All discrimination motivated by ethnic or national origin, gender, age, disabilities, social condition, health conditions, religion, opinions, sexual preferences, marital status or any other that violates human dignity and aims to nullify or impair the rights and freedoms of people."

2) Agrarian Law: Second Section, Of the *Ejido* landowners and Neighbors.

Article 12.- Men and women holders of ejidal rights are *ejido* landowners.

Article 17. The *ejido* landowner has the power to designate who should succeed him in his rights over the plot and in the other rights inherent to his quality as *ejido* landowner, for which it will be enough for the *ejido* landowner to formulate a succession list in which the names of the persons and the order of preference according to which the allocation of rights should be made upon their death. For this purpose, he may designate the spouse, the concubine or cohabitant, if applicable, one of the daughters or one of the sons, one of the ascendants or any other person;

3) Internal Regulations of the *Ejido*.

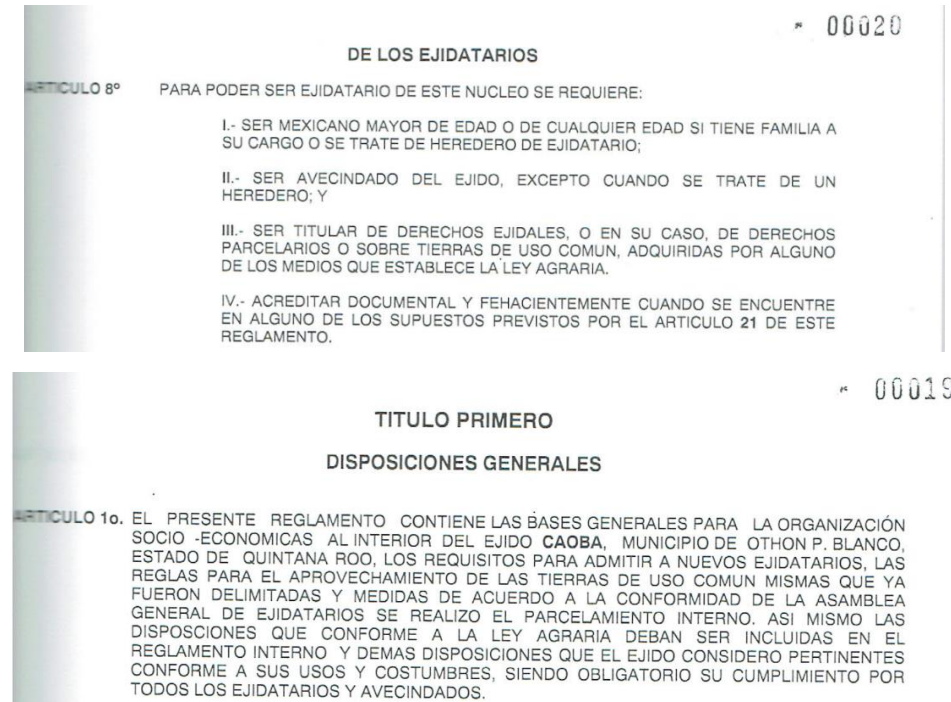
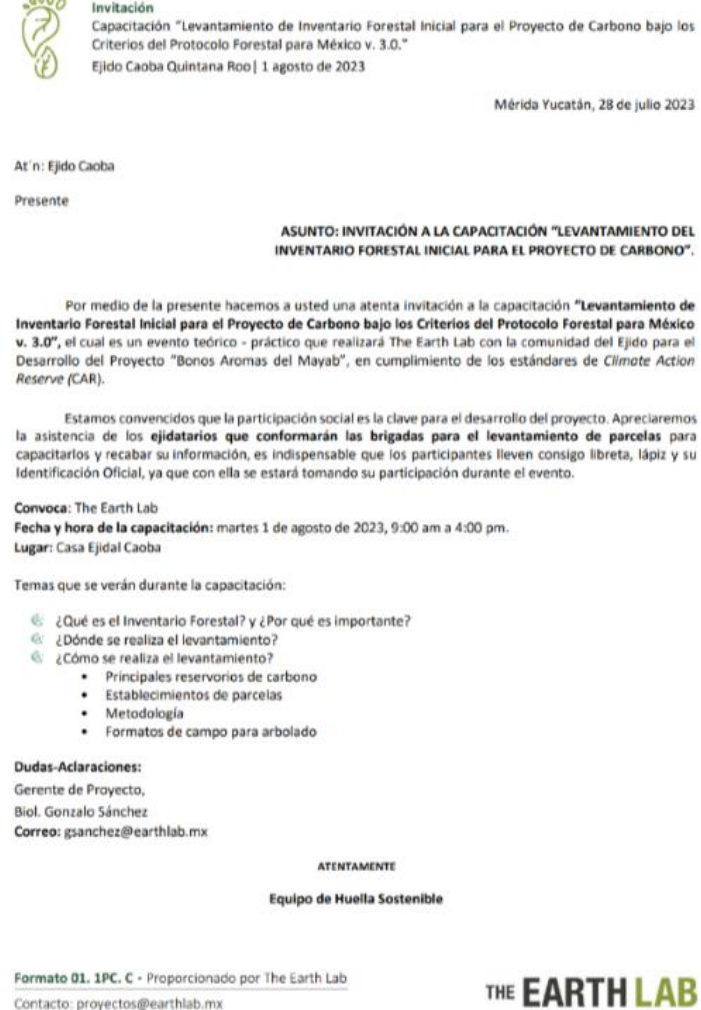
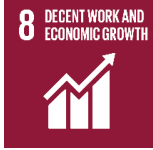


Fig. 6 Extract from the Internal Regulations of the *Ejido*.

Fig. 7. Call to participate in the training of “Initial Forest Inventory Survey for the Carbon Project under the criteria of the Forest Protocol for Mexico V.3.0.”



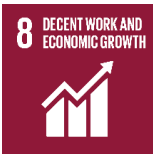
Project's Expected Contribution at End of Life	Name of SDG	SDG Number	Description of SDG	Search Code	SDG Target	SDG Indicator Number	SDG Indicator	Net Impact on SDG Indicator (Increase/Decrease)	Project Document Reference Section	Additional Monitoring/ Reporting or Impact Measurement
<p>The Carbon Project will generate employment with equal opportunity between men and women and equal pay temporary and permanent for the Forest Owner, the Project Developer and, where appropriate, other inhabitants of the community.</p> <p>For all jobs involving the Carbon Project, equal remuneration will be given for work of equal value.</p> <p>In 2024 the general daily minimum wage is \$248.93 MXN between 8 hours of work each hour is worth \$31.12 MXN, permanent employment will earn at least \$150 MXN/hr. and temporary employment \$130 MXN/hr.</p> <p>Without the Carbon Project these incomes would not exist</p>	Decent work and economic growth	8	Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all.	Target_8	8.5 By 2030, achieve full and productive employment and decent work for all women and men, including for young people and persons with disabilities, and equal pay for work of equal value.	8.5.1	8.5.1 Average hourly earnings of female and male employees, by occupation, age and persons with disabilities.	Increase	4.1 Social safeguards	For the field work activities of the Initial Forest Inventory of the Carbon Project, a total of 14 temporary jobs were created.



The *Aroma del Mayab* Carbon Project has not sold any CRT and therefore, there has been no income for the *Ejido* from the sale of CRT. For the field work activities of the forest inventory of the Carbon Project, a total of 14 temporary jobs were created (13 inventory personnel, 1 transportation), each brigade was paid according to the parcel information provided. The remuneration was delivered for work of equal value, making a difference between brigade member and brigade leader. On average, each person earned \$7,125.00MXN or \$419.12 USD for five days of work, that is, for each hour of work considering a daily shift of 8 hours, each of the workers in this activity received \$178.12 MXN or \$10.47 USD.

These averages were calculated using field work data from the Carbon Project Forest inventory for 3 plots/day and a five-day work week for brigade leader and brigade member. The field work was carried out from August 1, 2023, to November 2, 2023, the number of available brigade members varied so the brigades were sometimes composed of different individuals.

Project's Expected Contribution at End of Life	Name of SDG	SDG Number	Description of SDG	Search Code	SDG Target	SDG Indicator Number	SDG Indicator	Net Impact on SDG Indicator (Increase/Decrease)	Project Document Reference Section	Additional Monitoring/ Reporting or Impact Measurement
Within the Carbon Project jobs, measures will be adopted to eradicate child labor. It will be checked that the employed personnel are of legal age, maintaining 0% child labor.	Decent work and economic growth	8	Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all.	Target_8	8.7.1 Take immediate and effective measures to eradicate forced labor, end modern slavery and human trafficking and secure the prohibition and elimination of the worst forms of child labor, including recruitment and use of child soldiers, and by 2025 end child labor in all its forms.	8.7.1	8.7.1 Proportion and number of children aged 5-17 years engaged in child labor, by sex and age	0%	N/A	0% child labor in the Carbon Project.



Within the activities of the Carbon Project, only people who have reached the age of majority can be employed. This is corroborated when carrying out the training where each participant's file is created, and they provide a copy of their voter ID card. Only adults aged 18 and over can obtain it. To date, the work maintains a percentage of 0% child labor in the Carbon Project.

Project's Expected Contribution at End of Life	Name of SDG	SDG Number	Description of SDG	Search Code	SDG Target	SDG Indicator Number	SDG Indicator	Net Impact on SDG Indicator (Increase/Decrease)	Project Document Reference Section	Additional Monitoring/Reporting or Impact Measurement
The Project will maintain forest cover and increase carbon capture by improving Forest Management practices within the ejido territory. This Project is projected to remove 116,659,795 tons of CO ₂ e during its lifetime.	Climate Action	13	Take urgent Action to combat Climate change and its impacts.	Target_13				This project is expected to remove 116,659,795 tons of CO ₂ e over its 100-year commitment.	IX. Carbon Stocks	Total Verified Emissions for the Current Reporting Period (CO ₂ e): 1st reporting period 246,050, 2nd reporting period 253,039.



In accordance with the Project approach carried out with the Cost-Benefit tool of the Climate Action Reserve in the life of the Project which amounts to 100 years, the Project will remove 116,659,795 tons of CO₂e, during the two periods it has removed:

	Reporting period 03/15/2021- 03/14/2022	Reporting period 03/15/2022- 03/14/2023
Total Verified Removals for the Current Reporting Period (CO ₂ e)	246,050	253,039

Project's Expected Contribution at End of Life	Name of SDG	SDG Number	Description of SDG	Search Code	SDG Target	SDG Indicator Number	SDG Indicator	Net Impact on SDG Indicator (Increase/Decrease)	Project Document Reference Section	Additional Monitoring/Reporting or Impact Measurement
The Carbon Project will maintain the designated forest area in its permanent forest area, which amounts to 25,183.5 ha of medium-sized sub evergreen forest and will increase its area at least once during the life of the project.	Life on Land	15	Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss.	Target_15	15.1 By 2020, ensure the conservation, restoration and sustainable use of terrestrial and inland freshwater ecosystems and their services, In particular forests, wetlands, mountains and drylands, in line with obligations under international agreements	15.1.1	15.1.1 Forest area as a proportion of total land area	Increase	4.2 Environmental safeguards 5. Additionality for Improved Forest Management activity	100-year commitment to the project. Permanent forest area of 25,183.5 ha.



The Project has made a commitment of permanence of 100 years of total duration starting in 2021; to date, it has been implemented in the entire permanent forest area that amounts to 25,183.5 hectares of medium sub evergreen forest. The area has not been extended.

Project's Expected Contribution at End of Life	Name of SDG	SDG Number	Description of SDG	Search Code	SDG Target	SDG Indicator Number	SDG Indicator	Net Impact on SDG Indicator (Increase/Decrease)	Project Document Reference Section	Additional Monitoring/ Reporting or Impact Measurement
The Carbon Project Activity Area is habitat of the flora species Cedar (<i>Cedrela odorata</i>), <i>palmilla</i> (<i>Gaussia maya</i>), <i>tox</i> (<i>Zamia polymorpha</i>) and <i>guao</i> (<i>Staurotypus triporcatus</i>), and of fauna ocellated turkey (<i>Agrocharis ocellata</i>), great curassow (<i>Crax rubra</i>), <i>saraguato</i> (<i>Alouatta palliata</i>), spider monkey (<i>Ateles geoffroyi</i>), jaguar (<i>Panthera onca</i>), white-lipped wild boar (<i>Tayassu pecari</i>) listed on the "Red List" in the VU (Vulnerable) categories. NT (Near threatened), EN (Endangered). The Project will maintain forest cover and ecosystem connectivity	Life on Land	15	Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss.	Target_15	15.5 Take urgent and significant action to reduce the degradation of natural habitats, halt the loss of biodiversity and, by 2020, protect and prevent the extinction of threatened species.		15.5.1 Red List Index	Increase	4.2 Environmental safeguards	The Project Owner adopts species protection measures under the improved forest management scheme and has FSC Certification.



The Carbon Project Activity Area is the natural distribution habitat of the flora species cedar (*Cedrela odorata*), *palmilla* (*Gaussia maya*), *tox* (*Zamia polymorpha*) and *guao* (*Staurotypus triporcatus*), and of the fauna of the ocellated turkey (*Agrocharis ocellata*). , great curassow (*Crax rubra*), *saraguato* (*Alouatta palliata*), spider monkey (*Ateles geoffroyi*), jaguar (*Panthera onca*), white-lipped wild boar (*Tayassu pecari*) listed on the "Red List" in the VU (Vulnerable) categories. NT (Near threatened), EN (Endangered). Forest harvesting activities under the improved forest management scheme protect these species by safeguarding their habitat. In total it has 10 species within the IUCN Red List and adopts measures to maintain forest cover, ecosystem connectivity and conserve biodiversity in accordance with its Forest Management Plan. Additionally, *Ejido* Caoba has the Forest Stewardship Council Certificate. (FSC) which guarantees that products come from well-managed forests and provide environmental, social and economic benefits.

Project's Expected Contribution at End of Life	Name of SDG	SDG Number	Description of SDG	Search Code	SDG Target	SDG Indicator Number	SDG Indicator	Net Impact on SDG Indicator (Increase/Decrease)	Project Document Reference Section	Additional Monitoring/ Reporting or Impact Measurement
For the implementation of the Carbon Project, The Earth Lab Project Developer, Ban.CO2 of Carbono Mestizo and Invert Inc. mobilized financial resources from multiple sources (private subsidy, mobilization of private financing on an experimental basis and foreign direct investment, respectively) to achieve the objectives of the Project.	Partnership for the goals	17	Strengthen the means of implementation and revitalize the Global Partnership for Sustainable Development	Target_17	17.3 Mobilize additional financial resources for developing countries from multiple sources.	17.3.1	17.3.1 Foreign direct investment (FDI), official development assistance and South-South cooperation as a proportion of total domestic budget.	Increase	4.1 Social safeguards 4.1.4 Sale of bonds and use of funds	Mobilization of financial resources from multiple sources including private subsidy, mobilization of private financing on an experimental basis and foreign direct investment.



The first and second reporting periods the Project Developer received financing to implement the Project activities, the type of Foreign Direct Investment financing. Alliance through INVERT Inc and Mobilized private finance (MPF) on an experimental basis, Alliance through BCO2M. The Earth Lab participates as a direct partner with the communities it works with, provides knowledge, is a Project Developer and provides human resources to accompany the community in the development process and measurement activities. Additionally Private

Grants - The Earth Lab Alliance.

The agreements include:

Foreign Direct Investment (Foreign direct investment). Alliance through INVERT Inc.

1. Purpose

Protecting more than 100,000 hectares of Mayan Forest, the agreement is an effort to ensure a promising future for the planet through public participation along with continued social and economic benefits for local communities.

This alliance seeks to scale nature-based solutions across Invert and The Earth Lab's respective carbon project portfolios in Mexico and Latin America.

2. Term

30-year agreement, but the alliance aims to develop a lasting relationship that allows generating the greatest possible impact.

3. Best Practices

Always focus on ensuring that communities are the main beneficiaries, allowing them to develop their economies and improve their quality of life. Transparency through meetings and continuous communication.

4. Form of establishing support

Investment Agreement, where Invert becomes a partner of The Earth Lab. At the same time, an alliance was agreed, in which the parties work together to develop a variety of projects in Latin America.



For further details, please refer to the following link: <https://invert.world/medias/invert-and-earth-lab-partnership/>

Mobilization of private financing on an experimental basis, Alliance through BCO2M

1. Purpose

Integrate projects that promote good practices, providing human and economic resources to communities that own large areas of land. The BCO2M forms mechanisms and structures that allow all parties involved to work transparently, allowing clients from different countries to be attracted.

2. Square

30-year agreement, but the alliance aims to develop a lasting relationship that allows generating the greatest possible impact.

3. Best Practices

Creation of Trust for the carbon project. Support communities in their social, economic and administrative development to strengthen their sustainability.

4. Form of establishing support

Contract and bank trust.

Private Grant (Private Grants) - The Earth Lab Alliance

1. Purpose

Develop forestry projects that help the conservation and restoration of different ecosystems.

2. Square

30-year agreement, renewable every 5 years, but the alliance aims to develop a lasting relationship that allows generating the greatest possible impact during the life of the project.

3. Best Practices

Training and support, implementation of methodologies and protocols, which ensure the quality and certainty of the information with which the project works. The Earth Lab has a holistic team that allows it to develop robust projects in compliance with the requirements of the Forest Protocol for Mexico Climate Action Reserve.

4. Form of establishing support.

Through Contract.

SUSTAINABLE DEVELOPMENT GOALS

SDG REPORT – CAR1865

Annex to the Project Contributions to Sustainable Development Goals - Reporting Tool

GENERAL INFORMATION, First Reporting Period	
ID Number provided by the Reserve	CAR1865
Project Name	BONOS LAGUNA SÍJIL NOH-HÁ
Project Developer	THEEARTHLAB SA de CV
Project Owner	Ejido Felipe Carrillo Puerto
Protocol	Mexico Forest Protocol, Version 3.0.
Project Location (Municipality, State, Country)	Ejido Felipe Carrillo Puerto, Quintana Roo, México
Project Starting Date	March 14th, 2021
Closing date of the Project's 1 st issuance period	March 13th, 2022
Project Implementation Partners	BONOS DE CARBONO MESTIZO S.A.P.I. DE CV (BCO2M)

GENERAL INFORMATION, Second Reporting Period	
ID Number provided by the Reserve	CAR1865
Project Name	BONOS LAGUNA SÍJIL NOH-HÁ
Project Developer	THEEARTHLAB SA de CV
Project Owner	Ejido Felipe Carrillo Puerto
Protocol	Mexico Forest Protocol, Version 3.0.
Project Location (Municipality, State, Country)	Ejido Felipe Carrillo Puerto, Quintana Roo, México
Project Starting Date	March 14th, 2022
Closing date of the Project's 2 nd issuance period	March 13th, 2023
Project Implementation Partners	BONOS DE CARBONO MESTIZO S.A.P.I. DE CV (BCO2M)

Contribution of the Project to the UN's 2030 SDGs										
Project's Expected Contribution at End of Life	Name of SDG	SDG Number	Description of SDG	Search Code	SDG Target	SDG Indicator Number	SDG Indicator	Net Impact on SDG Indicator (Increase/Decrease)	Project Document Reference Section	Additional Monitoring/Reporting or Impact Measurement
The Project will increase the annual income of the ejidos through the sale of CRT's generated by the Project, additionally the field work and risk management activities will be carried out by ejido landowners and community members. The international poverty line in 2023 is \$2.15 USD/day, in the state of Quintana Roo, municipality of Felipe Carrillo Puerto in the rural portion, 49.3% of the population lives below the rural poverty line, which has a value of \$3.29 USD/day. The inhabitants of this locality are 48.14% men and 51.86% women.	End to Poverty	1	End poverty in all its forms everywhere.	Target_1	1.1 By 2030, eradicate extreme poverty for all people everywhere, currently measured as people living on less than \$1.25 USD a day.	1.1.1	1.1.1 Proportion of the population living below the international poverty line by sex, age, employment status and geographic location (urban/rural).	Decrease	4.1 Social Safeguards	Payments for field work above the International Poverty Line



The *Laguna Sijil Noh Há* Carbon Project has not yet sold any CRT and therefore, there has been no income for the *Ejido* from the sale of CRT. However, for the field work activities of the Carbon Project's Forest inventory, a total of 11 temporary inventory personnel jobs were created, since each team was paid according to the parcel information delivered; on average, each person earned \$6000 MXN or \$353 USD for an income of five days of work, that is, \$1,200.00 per day or \$71 USD. These averages were calculated using the

field work data from the Carbon Project's Forest inventory, considering that each brigade delivered 3 parcels/day and a five-day work week. Field work was carried out from August 1, 2023, to November 23, 2023.

The international poverty line in 2023 is \$2.15 USD/day according to the World Bank <https://datatopics.worldbank.org/world-development-indicators/themes/poverty-and-inequality.html#:~:text=Poverty%20measured%20at%20the%20international,than%203%20percent%20by%202030>. (Information date 2/14/2024).

For the value of the population in rural poverty, the value for the municipality of Felipe Carrillo Puerto of the variable "Population with income below the poverty line by income (%)" of the Poverty Geographic Information System, 2020 according to CONEVAL was used <https://coneval.maps.arcgis.com/apps/webappviewer/index.html?id=6699dd1087e94d65ab1d922e58764015> ((Information date 2/14/2024).

The income data by poverty line for the year 2023, converted to dollar with an exchange rate of \$1 USD=\$17 MXN <https://sistemas.coneval.org.mx/InfoPobreza/Pages/wfrLineaBienestar?pAnioInicio=2016&pTipoIndicador=0> (Information date 2/14/2024). Minimum salary as of January 2024, \$278.93 MXN, \$16.41 USD, for the category Machines for wood in general, official operator of www.gob.mx (Date of information 2/14/2024). [Tabla de Salarios M_nimos_2024.pdf \(www.gob.mx\)](#)

The population in Felipe Carrillo Puerto Municipality is 48.14% men and 51.86% women according to INEGI, 2020 data <https://gaia.inegi.org.mx/scince2020/>

THE EARTH LAB	SOLICITUD DE PAGO A BRIGADAS PARA PROYECTOS DE CARBONO	Código: 17.F.SPB
		Versión: 00
Nombre y cargo del solicitante	GONZALO SÁNCHEZ SANTOS	
Fecha de Solicitud	21 DE SEPTIEMBRE DE 2023	
Nombre del Proyecto	BONOS LAGUNA SÍJIL NOH-HÁ	
Nombre del Dueño Forestal	EJIDO FELIPE CARRILLO PUERTO	
Presupuesto de Gastos por Proyecto de	Proy. CO2 Q,Roo	

DATOS DEL PRESUPUESTO POR PROYECTO			PAGO SOLICITADO			OBSERVACIONES
Cuenta	Subcuenta	Descripción	Precio Unitario	Cantidad	Total	
40 Trabajos de Campo (Dueño del Proyecto)	40.3 Pago a destajo por parcela	Levantamiento parcela precio base	\$1,200.00	32	\$38,400.00	3 Brigadas
40 Trabajos de Campo (Dueño del Proyecto)	40.3 Pago a destajo por parcela	Levantamiento parcela de difícil acceso, brigadista	\$350.00	0	\$0.00	NA
40 Trabajos de Campo (Dueño del Proyecto)	40.3 Pago a destajo por parcela	Levantamiento parcela base, líder de brigada	\$400.00	0	\$0.00	NA
40 Trabajos de Campo (Dueño del Proyecto)	40.3 Pago a destajo por parcela	Levantamiento de parcela de difícil acceso, líder de brigada	\$550.00	0	\$0.00	NA
40 Trabajos de Campo (Dueño del Proyecto)	40.3 Pago a destajo por parcela	Bono productividad	\$400.00	37	\$14,800.00	37 Parcelas (3 Brigadas)
40 Trabajos de Campo (Dueño del Proyecto)	40.4 Flete para llegar a la parcela	Vehículo, gasolina y chofer	\$150.00	0	\$0.00	NA
40 Trabajos de Campo (Dueño del Proyecto)	40.4 Flete para llegar a la parcela	Vehículo, gasolina y chofer	\$100.00	43	\$4,300.00	Motocicletas
Total					\$57,500.00	

Aprobado por	Biól. Gonzalo Sánchez Santos, Gerente de Proyecto
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Fig. 1. Payment request to Brigades for Carbon Projects and Payment Format. List of the 08th week of the forest inventory of the Carbon Project.

Project's Expected Contribution at End of Life	Name of SDG	SDG Number	Description of SDG	Search Code	SDG Target	SDG Indicator or Number	SDG Indicator	Net Impact on SDG Indicator (Increase/Decrease)	Project Document Reference Section	Additional Monitoring/ Reporting or Impact Measurement
100% of the Project Owners are <i>ejido</i> landowners, they have secure rights to land tenure and have legally recognized documentation describing their rights. The 250 <i>ejido</i> landowners are 64.5% men and 35.5% women.	End to poverty	1	End poverty in all its forms everywhere.	Target_1	1.4 By 2030, ensure that all men and women, in particular the poor and the vulnerable, have equal rights to economic resource, as well as access to basic services, ownership and control over land and other forms of property, inheritance, natural resources, appropriate new technology and financial services, including microfinance.	1.4.2	1.4.2 Proportion of total adult population with secure tenure rights to land, (a) with legally recognized documentation, and (b) who perceive their rights to land as secure, by sex and type of tenure.		3.1 Land tenure and corresponding documentation	

Ejido Felipe Carrillo Puerto is made up of 250 *ejido* landowners, of which 161 are men and 89 are women, which represents 64.5% and 35.5% respectively. The list of names is confidential information.

Project's Expected Contribution at End of Life	Name of SDG	SDG Number	Description of SDG	Code Search	SDG Target	SDG Indicator Number	SDG Indicator	Net Impact on SDG Indicator (Increase/Decrease)	Project Document Reference Section	Additional Monitoring/Reporting or Impact Measurement
<p>Within the Carbon Project, training will be carried out for its operational participants, both the Forest Owner and the Project Developer, at least once a year.</p> <p>Within the Carbon Project, training open to the public will be held at least every fifth year. The goal is to reach at least 20 attendees per training each year, with a call for equal access for men and women with technical, academic or non-academic training. During the life of the Project, at least 100 training sessions will be held aimed at its operational participants and</p>	Quality education	4	Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all.	Target_4	4.3 By 2030, ensure equal Access for all women and men to affordable and quality technical, vocational and tertiary education, including university.	4.3.1	4.3.1 Participation rate of youth and adults in formal and non-formal education and training in the previous 12 months, by sex.	Increase	4.1 Social safeguards 4.2.5 Sustainable use practices	The Project has carried out different trainings since 2021, the participants are between 35 and 56 years old, 25% are women and 75% are men.



20 open to the public, for a total of 120 training sessions. These training events would not take place without the Project.



The *Laguna Sijil Noh Há* Carbon Project has carried out different trainings since 2021, the participants are between 35 and 56 years old, 25% are women and 75% are men:

W: Woman M: Man

- Training, Forestry Technicians 07-08-21 (W 1, M3)
- Training, Baseline Aug 26, 21 (W 0, M 11)
- Training, Safeguards Aug 26, 21 (W 0, M 11)
- Training, Forest Inventory 02-Apr-22 (W 3, M 4)
- Training, Botanical identification March 17, 22 (W 3, M 3)
- *Bonos Jaguar del Mayab* Charrete August 24, 2022 (M 8, H8)
- Training for initial Forest Inventory Survey for the Carbon Project under the criteria of the Forest Protocol for Mexico V.3.0 01-August-2023 (W 2, M11).



Capacitación Inventario Forestal Inicial



Capacitación Inventario Forestal Inicial

Fig. 2 Images from the in- field and desk trainings, list of assistants from the ``Levantamiento de Inventario Forestal inicial para el Proyecto de Carbono bajo los criterios del Protocolo Forestal para México V.3.0. `` (Initial Forest Inventory Survey for the Carbon Project under the criteria of the Mexico Forest Protocol V.3.0.



Fig 3. Botanical identification workshop, march 17, 2022



Fig 4. Baseline elaboration and Safeguards training.



Fig. 5 Bonos Jaguar del Mayab Charrete, August 23rd, 2022.

Project's Expected Contribution at End of Life	Name of SDG	SDG Number	Description of SDG	Search Code	SDG Target	SDG Indicator Number	SDG Indicator	Net Impact on SDG Indicator (Increase/Decrease)	Project Document Reference Section	Additional Monitoring/ Reporting or Impact Measurement
At least the Project Coordinator at Climate Action Reserve and one other person will acquire the computer-related ICT skills defined by the International Telecommunication Union (ITU) to carry out the monitoring of Project activities. During the training event open to the public, training will be given so that attendees acquire ICT skills to support social and environmental issues of the Project. The goal is for at least 20 attendees to acquire the skills at each event.	Quality education	4	Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all.	Target_4	4.4 By 2030, substantially increase the number of youth and adults who have relevant skills, including technical and vocational skills, for employment, decent jobs and entrepreneurship.	4.4.1	4.4.1 Proportion of youth and adults with information and communications technology (ICT) skills, by type of skill.	Increase	4.1 Social safeguards	



At the time of writing this report, the Project had not sold CRTs, therefore these trainings have not been carried out. Once the resource from the sale of CRTs is available, they will be scheduled and carried out accordingly.

Project's Expected Contribution at End of Life	Name of SDG	SDG Number	Description of SDG	Search Code	SDG Target	SDG Indicator Number	SDG Indicator	Net Impact on SDG Indicator (Increase/Decrease)	Project Document Reference Section	Additional Monitoring/ Reporting or Impact Measurement
100% of the Calls and access to Assemblies where the Carbon Project is discussed are carried out in accordance with the Agrarian Law and the internal regulations of Ejido Felipe Carrillo Puerto. This instrument promotes, enforces and monitors gender equality and attendance in <i>Ejido</i> Assemblies, calling without distinction to men and women members of the Assembly.	Gender Equality	5	Achieve gender equality	Target_5	5.1 End all forms of discrimination against all women and girls everywhere	5.1.5	5.1.1 Whether or not legal frameworks are in place to promote, enforce and monitor equality and non-discrimination on the basis of sex.		4.1 Social safeguards	



1) The Political Constitution of the United Mexican States Art. 1. "All discrimination motivated by ethnic or national origin, gender, age, disabilities, social condition, health conditions, religion, opinions, sexual preferences, marital status or any other that violates human dignity and aims to nullify or impair the rights and freedoms of people."

2) Agrarian Law: Second Section, of *Ejido* landowners and Neighborhoods

Article 12.- Men and women holders of *ejido* rights are considered *ejido* landowners.

Article 17. The *ejido* landowners has the power to designate who should succeed him in his rights over the plot and in the other rights inherent to his quality as ejido landowner, for which it will be enough for the ejido landowners to formulate a succession list in which the names of the persons and the order of preference according to which the allocation of rights should be made upon their death. For this purpose, he may designate the spouse, the concubine or cohabitant, if applicable, one of the daughters or one of the sons, one of the ascendants or any other person.

3) Internal Regulations of the *Ejido* where it says that the introduction applies to all *ejido* landowners.

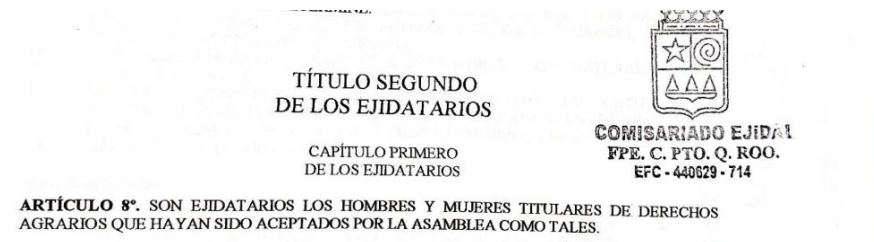
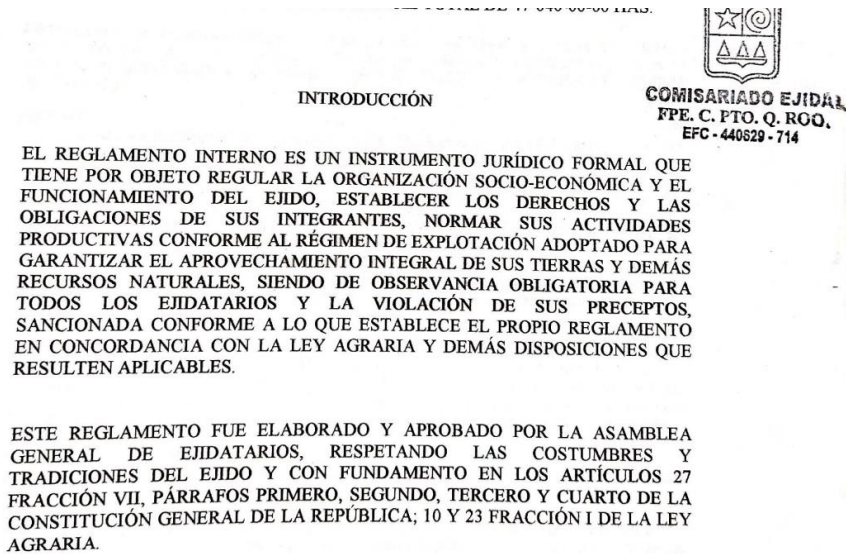


Fig. 6 Extracts from the Internal Regulation



Invitación
Capacitación "Levantamiento de Inventario Forestal Inicial para el Proyecto de Carbono bajo los Criterios del Protocolo Forestal para México v. 3.0."
Ejido Felipe Carrillo Puerto | Quintana Roo | 1 agosto de 2023

Mérida Yucatán, 28 de julio 2023

At'n: Ejido Felipe Carrillo Puerto

Presente

ASUNTO: INVITACIÓN A LA CAPACITACIÓN "LEVANTAMIENTO DEL INVENTARIO FORESTAL INICIAL PARA EL PROYECTO DE CARBONO".

Por medio de la presente hacemos a usted una atenta invitación a la capacitación "**Levantamiento de Inventario Forestal Inicial para el Proyecto de Carbono bajo los Criterios del Protocolo Forestal para México v. 3.0**", el cual es un evento teórico - práctico que realizará The Earth Lab con la comunidad del Ejido para el Desarrollo del Proyecto "Bonos de la Laguna Sijil Noh Ha", en cumplimiento de los estándares de *Climate Action Reserve (CAR)*.

Estamos convencidos que la participación social es la clave para el desarrollo del proyecto. Apreciaremos la asistencia de los **ejidatarios que conformarán las brigadas para el levantamiento de parcelas** para capacitarlos y recabar su información, es indispensable que los participantes lleven consigo libreta, lápiz y su Identificación Oficial, ya que con ella se estará tomando su participación durante el evento.

Convoca: The Earth Lab

Fecha y hora de la capacitación: martes 1 de agosto de 2023, 9:00 am a 4:00 pm.

Lugar: Casa Ejidal Felipe Carrillo Puerto

Temas que se verán durante la capacitación:

- 🔗 ¿Qué es el Inventario Forestal? y ¿Por qué es importante?
- 🔗 ¿Dónde se realiza el levantamiento?
- 🔗 ¿Cómo se realiza el levantamiento?
 - Principales reservorios de carbono
 - Establecimientos de parcelas
 - Metodología
 - Formatos de campo para arbolado

Dudas-Aclaraciones:

Gerente de Proyecto,

Biol. Gonzalo Sánchez

Correo: gsanchez@earthlab.mx

ATENTAMENTE

Equipo de Huella Sostenible

Formato 01. 1PC. C • Proporcionado por The Earth Lab

Contacto: proyectos@earthlab.mx

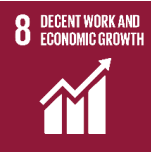
THE EARTH LAB

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Fig. 7 Call to participate in the training *Levantamiento de Inventario Forestal inicial* ("Initial Forest Inventory Survey for the Carbon Project under the criteria of the Mexico Forest Protocol V.3.0.").

Project's Expected Contribution at End of Life	Name of SDG	SDG Number	Description of SDG	Search Code	SDG Target	SDG Indicator Number	SDG Indicator	Net Impact on SDG Indicator (Increase/Decrease)	Project Document Reference Section	Additional Monitoring/ Reporting or Impact Measurement
<p>The Carbon Project will generate employment with equal opportunity between men and women and equal pay temporary and permanent for the Forest Owner, the Project Developer and, where appropriate, other inhabitants of the community.</p> <p>For all jobs involving the Carbon Project, equal remuneration will be given for work of equal value.</p> <p>In 2024 the general daily minimum wage is \$248.93 MXN between 8 hours of work each hour is worth \$31.12 MXN, permanent employment will earn at least \$150 MXN/ hr. and temporary employment \$130 MXN/hr.</p> <p>Without the Carbon</p>	Decent work and economic growth	8	Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all.	Target_8	8.5 By 2030, achieve full and productive employment and decent work for all women and men, including for young people and persons with disabilities, and equal pay for work of equal value.	8.5.1	8.5.1 Average hourly earnings of female and male employees, by occupation, age and persons with disabilities.	Increase	4.1 Social safeguards	For the field work activities of the Initial Forest Inventory of the Carbon Project, a total of 11 temporary jobs were created.

Project these incomes would not exist.										
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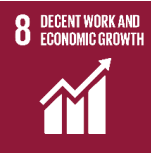


The Laguna Sijil Noh Há Carbon Project has not sold any CRT and therefore, there has been no income for the *Ejido* from the sale of CRT. However, for the field work activities of the forest inventory of the Carbon Project, a total of 11 temporary inventory staff jobs were created, since each team was paid according to the parcel information provided, on average each person earned per an income from five days of work \$6000 MXN or \$353 USD, that is, \$1,200.00 per day or \$71 USD. These averages were calculated using field work data from the Carbon Project Forest inventory considering that each brigade delivered 3 plots/day and a five-day work week. The field work was carried out from August 1, 2023, to November 23, 2023.

The number of brigade members available varied so that brigades were sometimes made up of different individuals.

Project's Expected Contribution at End of Life	Name of SDG	SDG Number	Description of SDG	Search Code	SDG Target	SDG Indicator Number	SDG Indicator	Net Impact on SDG Indicator (Increase/Decrease)	Project Document Reference Section	Additional Monitoring/Reporting or Impact Measurement
Within the Carbon Project jobs, measures will be adopted to eradicate child labor. It will be checked that the employed personnel are of legal age, maintaining 0% child labor.	Decent work and economic growth	8	Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all.	Target_8	8.7 Take immediate and effective measures to eradicate force labor, end modern slavery and human trafficking and secure the prohibition and elimination of the worst forms of child labor, including recruitment and use of child soldiers, and by	8.7.1	8.7.1 Proportion and number of children aged 5-17 years engaged in child labor, by sex and age.	0%	N/A	0% child labor in the Carbon Project.

					2025 end child labor in all its forms.					
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Within the activities of the Carbon Project, only people who have reached the age of majority can be employed. This is corroborated when carrying out the training where each participant's file is created, and they provide a copy of their Mexican voter ID card. Only adults aged 18 and over can obtain it. To date, the work maintains a percentage of 0% child labor in the Carbon Project.

Project's Expected Contribution at End of Life	Name of SDG	SDG Number	Description of SDG	Code Search	SDG Target	SDG Indicator Number	SDG Indicator	Net Impact on SDG Indicator (Increase/Decrease)	Project Document Reference Section	Additional Monitoring/Reporting or Impact Measurement
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The Project will maintain forest cover and increase carbon capture by improving Forest Management practices within the ejido territory. This Project is projected to remove 101,613,048 tons of CO ₂ e during its lifespan of 100 years.	Acción por el Clima	13	Take urgent action to combat Climate change and its impacts.	Target_13				This project is expected to remove 101,613,048 tons of CO ₂ e over its 100-year commitment.	IX. Carbon Stocks	Total Verified Emissions for the Current Reporting Period (CO ₂ e): 1st Reporting Period 269.170, 2nd Reporting Period 277.56.
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In accordance with the Project approach carried out with the Cost-Benefit tool of the Climate Action Reserve in the life of the Project which amounts to 100 years, the Project will remove 101,613,048 CO₂e, during the two periods it has removed:

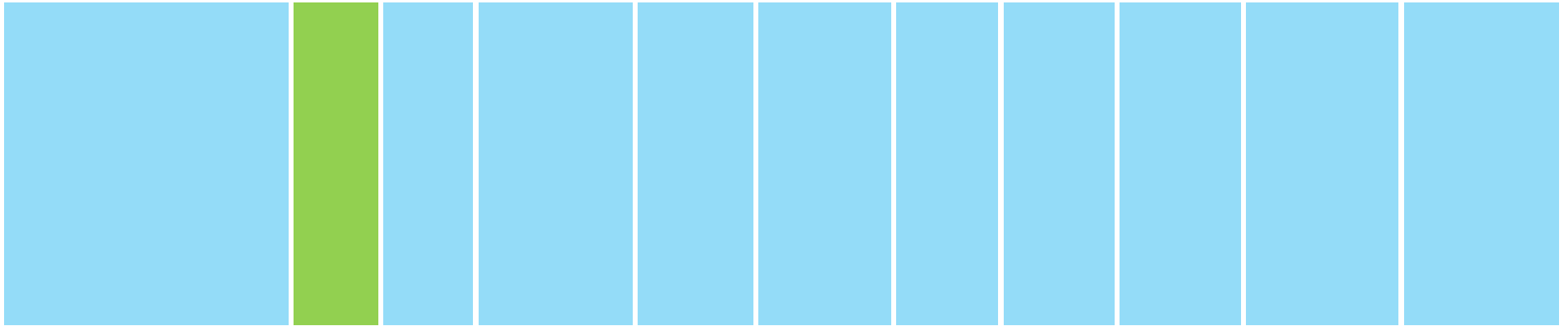
	Reporting period 03/15/2021- 03/14/2022	Reporting period 03/15/2022- 03/14/2023
Total Verified Removals for the Current Reporting Period (CO ₂ e)	269,170	277,56

Project's Expected Contribution at End of Life	Name of SDG	SDG Number	Description of SDG	Search Code	SDG Target	SDG Indicator Number	SDG Indicator	Net Impact on SDG Indicator (Increase/Decrease)	Project Document Reference Section	Additional Monitoring/ Reporting or Impact Measurement
The Carbon Project will maintain the designated forest area in its permanent forest area, which amounts to 24,745.95 hectares of medium-sized sub evergreen forest and will increase its area at least once during the life of the project.	Life on Land	15	Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss.	Target_15	15.1 By 2020, ensure the conservation, restoration and sustainable use of terrestrial and inland freshwater ecosystems and their services, in particular forests, wetlands, mountains and drylands, in line with obligations under international agreements.	15.1.1	15.1.1 Forest area as a proportion of total land area	Increase	4.2 Environmental safeguards 5. Additionality for Improved Forest Management activities	100-year commitment to the project. Permanent forest area of 24,745.95 ha.



The Project has made the commitment to remain for 100 years of total duration starting in 2021, to date it is applied to the entire permanent forest area that amounts to 24,745.95 hectares of medium sub evergreen forest, to date this area has not been extended.

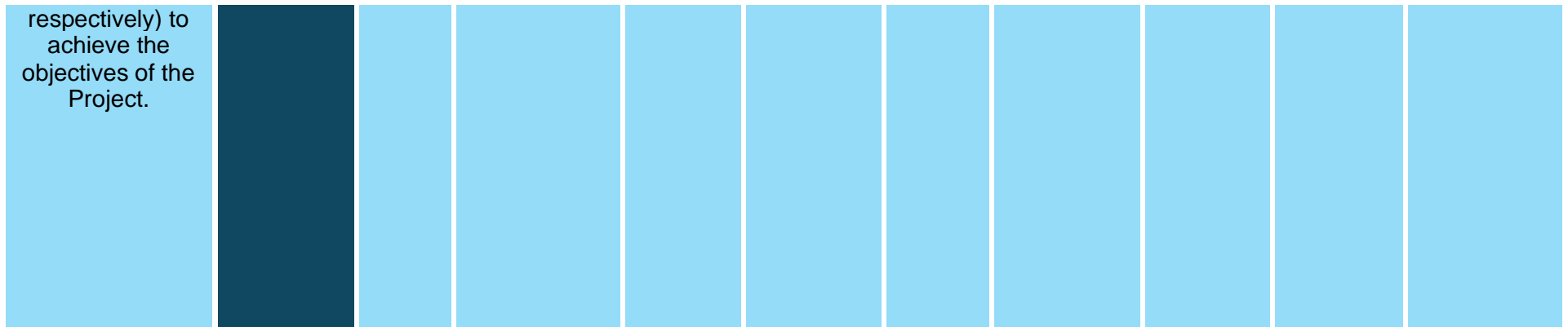
Project's Expected Contribution at End of Life	Name of SDG	SDG Number	Description of SDG	Search Code	SDG Target	SDG Indicator Number	SDG Indicator	Net Impact on SDG Indicator (Increase/Decrease)	Project Document Reference Section	Additional Monitoring/ Reporting or Impact Measurement
The Carbon Project Activity Area is habitat for the flora species Cedar (<i>Cedrela odorata</i>), Guayacan (<i>Guaiaecum sanctum</i>) and Granadillo (<i>Platymiscium yucatanum</i>), and the fauna Ocellated Turkey (<i>Agrocharis ocellata</i>), Great curassow (<i>Crax rubra</i>), Eagle Royal crested monkey (<i>Spizaetus ornatus</i>), Howler monkey (<i>Alouatta palliata</i>), Spider monkey (<i>Alouatta pigra</i>), Jaguar (<i>Panthera onca</i>), Tapir (<i>Tapirus bairdii</i>) and American crocodile (<i>Crocodylus acutus</i>), listed on the "Red List" in the categories NT (Near threatened), VU (Vulnerable), EN (Endangered), CR (Critically endangered). The Project will maintain forest cover and ecosystem connectivity.	Life on Land	15	Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss.	Target_15	15.5 Take urgent and significant action to reduce the degradation of the natural habitats, halt the loss of biodiversity and, by 2020, protect and prevent the extinction of threatened species.		15.5.1 Red List Index	Increase	4.2 Environmental safeguards	The Project Owner adopts species protection measures under the improved forest management scheme and has FSC Certification.



The Carbon Project Activity Area is habitat for the flora species Cedar (*Cedrela odorata*), Guayacan (*Guaiacum sanctum*) and *Granadillo* (*Platymiscium yucatanum*), and the fauna Ocellated Turkey (*Agrocharis ocellata*), Great curassow (*Crax rubra*), Eagle Royal crested monkey (*Spizaetus ornatus*), Howler monkey (*Alouatta palliata*), Spider monkey (*Alouatta pigra*), Jaguar (*Panthera onca*), Tapir (*Tapirus bairdii*) and American crocodile (*Crocodylus acutus*), listed on the "Red List" in the categories NT (Near threatened), VU (Vulnerable),

EN (Endangered), CR (Critically endangered). Forest harvesting activities under the improved forest management scheme protect these species by safeguarding their habitat. In total, it has 10 species on the IUCN Red List and adopts measures to maintain forest cover, ecosystem connectivity and conserve biodiversity in accordance with its Forest Management Plan. Additionally, the *Ejido* Felipe Carrillo Puerto has the Forest Certificate Stewardship Council (FSC) which guarantees that products originate from well-managed forests and provide environmental, social and economic benefits.

Project's Expected Contribution at End of Life	Name of SDG	SDG Number	Description of SDG	Search Code	SDG Target	SDG Indicator Number	SDG Indicator	Net Impact on SDG Indicator (Increase/Decrease)	Project Document Reference Section	Additional Monitoring/ Reporting or Impact Measurement
For the implementation of the Carbon Project, The Earth Lab Project Developer, Ban.CO2 of Carbono Mestizo and Invert Inc. mobilized financial resources from multiple sources (private subsidy, mobilization of private financing on an experimental basis and foreign direct investment,	Partnerships for the goals	17	Strengthen the means of implementation and revitalize the Global Partnership for Sustainable Development.	Target_17	17.3 Mobilize additional financial resources for developing countries from multiple sources.	17.3.1	17.3.1 Foreign direct investment, official development assistance and South-South cooperation as a proportion of gross national income.	Increase	4.1 Social safeguards 4.1.4 Sale of credits and use of funds	Mobilization of financial resources from multiple sources including private subsidy, mobilization of private financing on an experimental basis and foreign direct investment.



In the first and second reporting periods, the Project Developer received financing to implement the Project activities as Foreign Direct Investment financing through an alliance with INVERT Inc and Mobilized Private Finance (MPF) on an experimental basis and BCO2M. The Earth Lab participates as a direct partner with the communities it works with, provides knowledge, is a Project Developer and provides human resources to accompany the community in the development process and measurement activities. Additionally Private Grants - The Earth Lab Alliance.

The agreements include:

Foreign Direct Investment (Foreign direct investment). Alliance through INVERT Inc

1. Purpose

Protecting more than 100,000 hectares of Mayan Forest, the agreement is an effort to ensure a promising future for the planet through public participation along with continued social and economic benefits for local communities.

This alliance seeks to scale nature-based solutions in Invert and The Earth Lab's respective carbon project portfolios in Mexico and Latin America.

2. Term in years

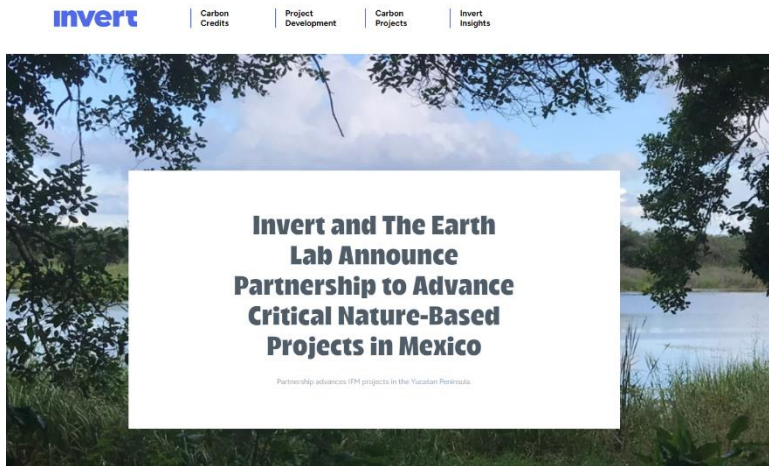
30-year agreement, but the alliance aims to develop a lasting relationship that allows generating the greatest possible impact.

3. Best Practices

Always focus on ensuring that communities are the main beneficiaries, allowing them to develop their economies and improve their quality of life. Transparency through meetings and continuous communication.

4. Form of establishing support

Investment Agreement, where Invert becomes a partner of The Earth Lab. At the same time, an alliance was agreed, in which the parties work together to develop a variety of projects in Latin America.



For further details, please refer to the following website: <https://invert.world/medias/invert-and-earth-lab-partnership/>

Mobilized private finance (MPF) on an experimental basis, Alliance through BCO2M

1. Purpose

Integrate projects that promote good practices, providing human and economic resources to communities that own large areas of land. The BCO2M forms mechanisms and structures that allow all parties involved to work transparently, allowing clients from different countries to be attracted.

2. Term

30-year agreement, but the alliance aims to develop a lasting relationship that allows generating the greatest possible impact.

3. Best Practices

Project Developer: The Earth Lab
Project: Bonos Laguna Sijil Noh-Há

Project Owner: Ejido Felipe Carrillo Puerto
ID: CAR1865

Creation of a Bank Trust for the Carbon Project. Support communities in their social, economic and administrative development to strengthen their sustainability.

4. Form of establishing support

Through contract and Trust.

Private Grants - The Earth Lab Alliance

1. Purpose

Develop forestry projects that help the conservation and restoration of different ecosystems.

2. Term

30-year agreement, renewable every 5 years, but the alliance aims to develop a lasting relationship that allows generating the greatest possible impact during the life of the project.

3. Best Practices

Training and support, implementation of methodologies and protocols, which ensure the quality and certainty of the information with which the project works. The Earth Lab has a holistic team that allows it to develop robust projects in compliance with the requirements of the Climate Action Reserve Forest Protocol for Mexico.

4. Form of establishing support.

Through Contract.



SDG REPORT – CAR1863

Annex to the Project Contributions to Sustainable Development Goals- Reporting Tool

GENERAL INFORMATION, First Reporting Period	
Reserve´s Project ID	CAR1863
Project Name	BONOS X-HAZIL DE LA RUTA SIAN KA'AN
Project Developer	THEEARTHLAB SA de CV
Forest Owner	<i>Ejido X-Hazil y Anexos</i>
Protocol	Mexico Forest Protocol, Version 3.0.
Project Location (City, State, Country)	<i>Ejido X-Hazil y Anexos, Quintana Roo, México</i>
Project Start Date	March 14th, 2021
Closing Date of Project´s First Issuance Period	March 13th, 2022
Project Implementation Partners	BONOS DE CARBONO MESTIZO S.A.P.I. DE CV (BCO2M)

GENERAL INFORMATION, Second Reporting Period	
Reserve´s Project ID	CAR1863
Project Name	BONOS X-HAZIL DE LA RUTA SIAN KA'AN
Project Developer	THEEARTHLAB SA de CV
Forest Owner	Ejido X-Hazil y Anexos
Protocol	Mexico Forest Protocol, Version 3.0.
Project Location (City, State, Country)	Ejido X-Hazil y Anexos, Quintana Roo, México
Project Start Date	March 14th, 2022
Closing Date of Project´s First Issuance Period	March 13th, 2023
Project Implementation Partners	BONOS DE CARBONO MESTIZO S.A.P.I. DE CV (BCO2M)

PROJECT SDG CONTRIBUTIONS								
Expected Project Contribution by the End of Project Lifetime	SDG Name	SDG Number	SDG Description	SDG Target	SDG Indicator	Net Impact on SDG Indicator (Increase or Decrease)	Project Document Section Reference	Additional Monitoring/Reporting or Impact Measurement Activity
The Project will increase the annual income of the ejidos through the sale of CRT's generated by the Project, in addition to the fieldwork and risk management activities will be carried out by ejidatarios and community members. The international poverty line in 2023 was \$2.15 USD/day, in the state of Quintana Roo, municipality of Othón P. Blanco in the rural portion, 49.3% of the population lives below the rural poverty line, which has a value of \$3.29 USD/day. The inhabitants of this site are 49.51% men and 50.49% women.	No Poverty	1	End poverty in all its forms everywhere	1.1 By 2030, eradicate extreme poverty for all people everywhere, currently measured as people living on less than \$1.25 a day	1.1.1 Proportion of population below the international poverty line, by sex, age, employment status and geographical location (urban/rural)	Reduce	4.1 Social Safeguards	Payments for field work above the International Poverty Line.



The *Sian Ka'an* Route X-Hazil Bond Project has not sold any CRTs and therefore, there has been no income to the *Ejido* from the sale of CRTs. However, for the field work activities of the forest inventory of the Carbon Project, a total of 25 temporary jobs were created (24 inventory personnel, 1 supervision); Each team was paid according to the parcel information provided. On average, each person earned an income of \$3,600.00 MXN or \$211.76USD for five days of work, that is, \$720.00 per day or \$42.35 USD. These averages were calculated using field work data from the Carbon Project Forest inventory in a five-day work week for brigade leader and brigade member. The field work was carried out from August 21, 2023, to October 26, 2023.

The international poverty line in 2023 is \$2.15 USD/day according to the World Bank [\(https://datatopics.worldbank.org/world-development-indicators/themes/poverty-and-inequality.html#:~:text=Poverty%\)](https://datatopics.worldbank.org/world-development-indicators/themes/poverty-and-inequality.html#:~:text=Poverty%) (Information date 2/14/2024).

For the value of the population in rural poverty, the value for the municipality of Felipe Carrillo Puerto of the variable "Population with income below the poverty line by income (%)" of the Poverty Geographic Information System, 2020 according to CONEVAL was used. Link [\(https://coneval.maps.arcgis.com/apps/webappviewer/index.html?id=6699dd1087e94d65ab1d922e58764015\)](https://coneval.maps.arcgis.com/apps/webappviewer/index.html?id=6699dd1087e94d65ab1d922e58764015) (Information date 2/14/2024).

The income data by poverty line for the year 2023, used was the value for the municipality of Felipe Carrillo Puerto of the variable Poverty lines by income Rural LPEI converted to dollar with an exchange rate of \$1 USD=\$17 MXN [\(https://sistemas.coneval.org.mx/InfoPobreza/Pages/wfrLineaBienestar?pAnioInicio=2016&pTipoIndicador=0\)](https://sistemas.coneval.org.mx/InfoPobreza/Pages/wfrLineaBienestar?pAnioInicio=2016&pTipoIndicador=0) (Information date 2/14/2024). Minimum salary as of January 2024, \$278.93 MXN, \$16.41 USD, for the category Machines for wood in general, official operator of [Tabla_de_Salarios_Minimos_2024.pdf](http://www.gob.mx) (www.gob.mx) (Date of information 2/14/2024).

The population in the localities that make up the ejido of [://gaia.inegi.org.mx/scince2020/](http://gaia.inegi.org.mx/scince2020/) (Information date May 20, 2024).

THE EARTH LAB		SOLICITUD DE PAGO A BRIGADAS PARA PROYECTOS DE CARBONO		Código:	17.F.SPB
				Versión:	00
Nombre y cargo del solicitante	Biol.Gonzalo Sánchez Santos, Gerente de Proyecto				
Fecha de Solicitud	7 de septiembre de 2023				
Nombre del Proyecto	Bonos X-Hazil de la Ruta Sian Ka'an				
Nombre del Dueño Forestal	Ejido X-Hazil Sur y Anexos				
Presupuesto de Gastos por Proyecto de	Proy. CO2 Q,Roo				

DATOS DEL PRESUPUESTO POR PROYECTO			PAGO SOLICITADO			OBSERVACIONES
Cuenta	Subcuenta	Descripción	Precio Unitario	Cantidad	Total	
40 Trabajos de Campo (Dueño del Proyecto)	40.3 Pago a destajo por parcela	Levantamiento parcela precio base (por parcela)	\$1,200.00	54	\$64,800.00	54 parcelas (6 brigadas)
40 Trabajos de Campo (Dueño del Proyecto)	40.3 Pago a destajo por parcela	Levantamiento parcela de difícil acceso, brigadista	\$350.00	0	\$0.00	NA
40 Trabajos de Campo (Dueño del Proyecto)	40.3 Pago a destajo por parcela	Levantamiento parcela base, líder de brigada	\$450.00	0	\$0.00	NA
40 Trabajos de Campo (Dueño del Proyecto)	40.3 Pago a destajo por parcela	Levantamiento de parcela de difícil acceso, líder de brigada	\$550.00	0	\$0.00	NA
40 Trabajos de Campo (Dueño del Proyecto)	40.3 Pago a destajo por parcela	Bono productividad	\$400.00	0	\$0.00	NA
40 Trabajos de Campo (Dueño del Proyecto)	40.4 Flete para llegar a la parcela	Vehículo, gasolina y chofer	\$100.00	53	\$5,300.00	Vehiculos motorizados
					Total	\$70,100.00

Aprobado por	Biól. Gonzalo Sánchez Santos, Gerente de Proyecto
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B.		\$500.00	
B.		\$500.00	
J.B. 5		\$4,950.00	
B.		\$2,750.00	
B.		\$2,750.00	
B.		\$2,750.00	
J.B. 6		\$1,150.00	
B.		\$625.00	
B.		\$625.00	
TOTAL		\$39,300	

Presidente Comisariado Ejidal		Secretario	
Tesorero		Coordinador de Proyecto ante CAR	
Gerente de Proyectos The Earth Lab			

Fig. 1 Above, payment request to Brigades for Carbon Projects, below, Payment Format and List of Week 04 of the Carbon Project Forest inventory.

Expected Contribution of the Project at the End of its Useful Life	Name of SDG	SDG Number	SDG Description	Search Code	SDG Target	SDG Indicator Number	SDG Indicator	Net Impact on the SDG Indicator (Increase/Decrease)	Project Document Reference Section	Additional Monitoring/Presentation of Report or Impact Measurement
100% of the Project Owners are <i>ejido</i> landowners, have secure rights over land ownership and have legally recognized documentation in this regard that describes their rights. The 392 <i>ejido</i> landowners are 80.61% men and 19.36% women.	End to Poverty	1	End poverty in all its forms, everywhere	Target_1	1.4 By 2030, ensure that all men and women, particularly the poor and vulnerable, have equal rights to economic resources and access to basic services, ownership and control of land and other assets, inheritance, natural resources, new appropriate technologies and financial services, including microfinance.	1.4.2	1.4.2 Proportion of the total adult population with secure land tenure rights: a) who have legally recognized documentation in this regard and b) consider their rights secure, broken down by sex and type of tenure.		3.1 Land Tenure and Documentation	



Ejido X-Hazil is composed by 392 ejido landowners, of which, 316 are men and 76, are women, representing 80.61% and 19.36%, respectively. The lists containing their names are confidential.

Expected Contribution of the Project at the End of its Useful Life	Name of SDG	Number of SDG	SDG Description	Search Code	SDG Target	SDG Indicator Number	SDG Indicator	Net Impact on the SDG Indicator (Increase/Decrease)	Project Document Reference Section	Additional Monitoring/ Presentation of Report or Impact Measurement
<p>Within the Carbon Project, training sessions will be held for operational participants, both the Forest Owner and the Project Developer, at least once a year.</p> <p>Within the Carbon Project, training sessions open to the public will be held at least every fifth year.</p> <p>The goal is to reach the goal every year at least 20 attendees per training, with equal access for men and women with technical, academic or non-academic training.</p> <p>During the life of the Project, at least 100 training sessions will be held for operational participants and 20 open to the public, for a total of 120 training sessions.</p> <p>These training events would not be held without the Project.</p>	Quality Education	4	Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all.	Target_4	4.3 By 2030, substantially increase the number of youth and adults who have relevant skills, including technical and vocational skills, for employment, decent jobs and entrepreneurship	4.3.1	4.3.1 Participation rate of youth and adults in formal and non-formal education and training in the previous 12 months, by sex.	Increase	4.1 Social Safeguards 4.2.5 Sustainable use practices	The Project has carried out different trainings since 2021, the participants are between 35 and 56 years old, the majority are within the 30-40 age range.



The *Bonos X-Hazil de la Ruta Sian Ka'an project* has carried out different trainings since 2021, the participants are between 35 and 56 years old, the majority are within the 30-40 age range:

W: Women M: Men

- Training, Forestry Technicians 07-09-21 (W 1, M 3)
- Training, Baseline 08-26-21 (W 0, M 4)
- Training, Safeguards 08-26-21 (W 0 M 4)
- Training, Forest Inventory 04-02-22 (W 0, M 4)
- Training, Botanical Identification 03-17-22 (W-0, M 3)
- Workshop, *Bonos Jaguar del Mayab* Charrete 08-24-2022 (W 12, M 13)
- Training on Initial Forest Inventory for the Carbon Project under the criteria of the Forest Protocol for Mexico V.3.0 08-21-2023 (W 2, M 22)



Lista de Asistencia

Nombre del proyecto: Bonos X-Hazil de la Ruta Sian Ka'an
Capacitación/Taller/Actividad: Implementación de Inventario Forestal
Dueño Forestal: X-Hazil y Anexos Día: 21 Mes: Agosto Año: 2023

Nombre	Representante de:	Datos de contacto	Firma
	coordinador CAR		
	UH May		
	X-Hazil		
	X-Hazil		
	X-Hazil		
	X-Hazil		
	X-Hazil		
	X-Hazil		
	X-Hazil		
	Chanca		

Fig. 2 Photos of classroom and field training, training attendance list (p1 of 3) "Initial Forest Inventory Survey for the Carbon Project under the criteria of the Forest Protocol for Mexico V.3.0".

THE EARTH LAB

TALLER DE IDENTIFICACIÓN BOTANICA Y MEDICIONES DE PARCELAS PARA EL PROYECTO DE CARBONO EN EJIDO X-HAZIL Y ANEXOS. 18 DE MARZO 2022



Fig. 4 Baseline elaboration and Safeguards Trainings



Fig. 5 Workshop, Charrete *Bonos Jaguar del Mayab*

Expected Contribution of the Project at the End of its Useful Life	Name of SDG	SDG Number	SDG Description	Search Code	SDG Target	SDG Indicator Number	SDG Indicator	Net Impact on the SDG Indicator (Increase/Decrease)	Project Document Reference Section	Additional Monitoring/Presentation of Report or Impact Measurement
At least the Climate Action Reserve Project Coordinator and one other person will acquire computer-related ICT skills defined by the International Telecommunication Union (ITU) to carry out monitoring of the Project activities. During the training event open to the public, training will be provided so that attendees acquire ICT skills to support the Project on social and environmental issues. The goal is that at each event at least 20 attendees acquire the necessary skills.	Quality Education	4	Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all	Target_4	4.4 Increase the number of people with relevant skills for financial success.	4.4.1	4.4.1 The proportion of youth/ adults with information and communications technology (ICT) skills, by type of skill.	Increase	4.1 Social safeguards	



At the time of writing this report, the Project had not yet sold CRTs, therefore these training sessions have not been carried out. Once the resources from the sale of CRTs are available, they will be scheduled and carried out.

Expected Contribution of the Project at the End of its Useful Life	Name of SDG	SDG Number	SDG Description	Search Code	SDG Target	SDG Indicator Number	SDG Indicator	Net Impact on the SDG Indicator (Increase/Decrease)	Project Document Reference Section	Additional Monitoring/ Presentation of Report or Impact Measurement
100% of the Calls and access to Assemblies where the Carbon Project is discussed are carried out in accordance with the Agrarian Law and the internal Regulations of the X-Hazil ejido and Annexes. This instrument promotes, enforces and monitors gender equality and the assistance in Ejidal Assemblies, calling without distinction men and women members of the Assembly.	Gender Equality	5	Achieve gender equality and empower all the women and girls	Target_5	5.1 End all forms of discrimination against all women and girls everywhere.	5.1.5	5.1.1 Whether or not legal frameworks are in place to promote, enforce and monitor equality and non-discrimination the basis of sex.		4.1 Social Safeguards	



1) The Political Constitution of the United Mexican States Art. 1. “Any discrimination motivated by ethnic or national origin, gender, age, disabilities, social status, health conditions, religion, opinions, sexual preferences, marital status or any other discrimination that violates human dignity and aims to annul or undermine the rights and freedoms of people is prohibited.”

2) Agrarian Law: Second Section, Ejido Members and Residents

Article 12.- Ejido members are men and women holders of ejidal rights.

Article 17. The *ejido* landowner has the power to designate who should succeed him in his rights over the plot and in the other rights inherent to his status as *ejido* landowner, for which it will be sufficient for the *ejido* landowner to draw up a list of succession in which the names of the persons and the order of preference according to which the adjudication of rights should be made upon his death appear. For this purpose, the spouse, concubine or partner, if applicable, one of the daughters or one of the sons, one of the ascendants or any other person may be designated.

3) Internal Regulations of the Ejido where it says that the introduction applies to all *ejido* landowners.

**TITULO SEGUNDO
DE LOS EJIDATARIOS Y AVECINDADOS**

**CAPITULO PRIMERO
DE LOS EJIDATARIOS**

ARTICULO 8º PARA PODER ADQUIRIR LA CALIDAD DE EJIDATARIO DE ESTE NÚCLEO SE REQUIERE:

I.- SER MEXICANO MAYOR DE EDAD O DE CUALQUIER EDAD SI TIENE FAMILIA A SU CARGO O SE TRATE DE HEREDERO DE EJIDATARIO;

II.- SER AVECINDADO DEL EJIDO, EXCEPTO CUANDO SE TRATE DE UN HEREDERO; Y

III.- SER TITULAR DE DERECHOS EJIDALES, O EN SU CASO, DE DERECHOS PARCELARIOS O SOBRE TIERRAS DE USO COMUN, ADQUIRIDAS POR ALGUNO DE LOS MEDIOS QUE ESTABLECE LA LEY AGRARIA.

ARTICULO 9º PARA LOS EFECTOS DE LA LEY AGRARIA Y ESTE REGLAMENTO, LA CALIDAD DE EJIDATARIO SE ACREDITA A TRAVÉS DE LOS SIGUIENTES DOCUMENTOS:

Fig 6. Extracts from Ejido Internal Regulations and Art. 8.



Criterios del Protocolo Forestal para México v. 3.0."
Ejido X-Hazil | Quintana Roo | 17 agosto de 2023

Mérida Yucatán, 17 de agosto 2023

At'n: Ejido X-Hazil y Anexos

Presente

ASUNTO: INVITACIÓN A LA CAPACITACIÓN "LEVANTAMIENTO DEL INVENTARIO FORESTAL INICIAL PARA EL PROYECTO DE CARBONO".

Por medio de la presente hacemos a usted una atenta invitación a la capacitación "**Levantamiento de Inventario Forestal Inicial para el Proyecto de Carbono bajo los Criterios del Protocolo Forestal para México v. 3.0**", el cual es un evento teórico - práctico que realizará The Earth Lab con la comunidad del Ejido para el Desarrollo del Proyecto "Bonos de X-Hazil de la Ruta Sian Ka'an", en cumplimiento de los estándares de Climate Action Reserve (CAR).

Estamos convencidos que la participación social es la clave para el desarrollo del proyecto. Apreciaremos la asistencia de los **ejidatarios que conformarán las brigadas para el levantamiento de parcelas** para capacitarlos y recabar su información, es indispensable que los participantes lleven consigo libreta, lápiz, ropa adecuada para práctica de campo y su Identificación Oficial, ya que con ella se estará tomando su participación durante el evento.

Convoca: The Earth Lab

Fecha y hora de la capacitación: Lunes 21 de agosto de 2023, 9:00 am a 4:00 pm.

Lugar: Casa Ejidal X-Hazil y Anexos

Temas que se verán durante la capacitación:

- ¿Qué es el Inventario Forestal? y ¿Por qué es importante?
- ¿Dónde se realiza el levantamiento?
- ¿Cómo se realiza el levantamiento?
 - Principales reservorios de carbono
 - Establecimientos de parcelas
 - Metodología
 - Formatos de campo para arbolado

Dudas-Aclaraciones:

Gerente de Proyecto,

Biol. Gonzalo Sánchez

Correo: gsanchez@earthlab.mx

Fig. 7 Call to participate in the training of "*Levantamiento de Inventario Forestal inicial para el Proyecto de Carbono bajo los criterios del Protocolo Forestal para México V.3.0*" (Initial Forest Inventory Survey for the Carbon Project under the criteria of the Forest Protocol for Mexico V.3.0).

Expected Contribution of the Project at the End of its Useful Life	Name of SDG	SDG Number	SDG Description	Search Code	SDG Target	SDG Indicator Number	SDG Indicator	Net Impact on the SDG Indicator (Increase/Decrease)	Project Document Reference Section	Additional Monitoring/ Presentation of Report or Impact Measurement
<p>The Carbon Project will generate employment with equal opportunity between men and women and equal pay, temporary and permanent, for the Forest Owner, the Project Developer and, where appropriate, other inhabitants of the area.</p> <p>For all jobs involving the Carbon Project, equal pay will be given for work of equal value.</p> <p>In 2024, the general daily minimum wage is \$248.93 MXN for 8 hours of work, each hour is worth \$31.12 MXN, permanent employment will earn at least \$150 MXN/hr and temporary employment \$130 MXN/hr.</p> <p>Without the Carbon Project, these earnings would not exist.</p>	Decent Work and Economic Growth	8	Promote sustained, inclusive and sustainable and economic growth, full and productive employment and decent work for all.	Target_8	8.5 By 2023, achieve full and productive employment and decent work for all women and men, including for young people and persons with disabilities, and equal pay for work of equal value.	8.5.1	8.5.1 Average hourly earnings of female and male employees, by occupation, age and persons with disabilities.	Increase	4.1 Social Safeguards	For the field work activities of the Initial Forest Inventory of the Carbon Project, a total of 25 temporary jobs were created.



The *Bonos X-Hazil de la Ruta Sian Ka'an* Carbon Project has not sold any CRT and therefore, there has been no income for the *Ejido* from the sale of CRT. However, for the field work activities of the forest inventory of the Carbon Project, a total of 25 temporary jobs were created (24 inventory staff, 1 supervisory job), since each team was paid according to the parcel information delivered. On average, each person earned \$3,600.00 MXN or \$211.76 USD for five days of work, that is, \$720.00 per day or \$42.35 USD. These averages were calculated using the field work data from the Carbon Project's Forest inventory in a five-day work week for a brigade leader and a brigade member. Field work was carried out from August 21, 2023, to October 26, 2023.

These averages were calculated using the Carbon Project Forest inventory field work data for 3 plots/day and a five-day work week for brigade leader and brigade member. Image 1 shows an example of the Payment Request to Brigades for Carbon Projects and Payment Form. The *Raya* Payment Scheme List for week 04 of the Carbon Project Forest inventory, the number of brigade members available varied, so brigades were sometimes made up of different individuals.

Expected Contribution of the Project at the End of its Useful Life	Name of SDG	SDG Number	SDG Description	Search Code	SDG Target	SDG Indicator Number	SDG Indicator	Net Impact on the SDG Indicator (Increase/Decrease)	Project Document Reference Section	Additional Monitoring/ Presentation of Report or Impact Measurement
Measures will be taken to eradicate child labor within the Carbon Project jobs. It will be checked that the employed personnel are of legal age, maintaining 0% child labor.	Decent Work and Economic Growth	8	Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all.	Meta_8	8.7 Take immediate and effective measures to eradicate forced labor, end modern slavery and human trafficking and secure the prohibition and elimination of the worst forms of child labor, including recruitment and use of child soldiers, and by 2025 end child labor in all its forms.	8.7.1	8.7.1 Proportion and number of children aged 5-17 years engaged in child labor, by sex and age.	0%	N/A	0% child labor in the Carbon Project.



Only adults may be employed in the Carbon Project activities. This is confirmed by creating the file for each participant and providing a copy of their *INE* or voter ID. This identification can only be obtained by adults over 18 years of age. To date, the percentage of child labor in the Carbon Project remains at 0%.

Expected Contribution of the Project at the End of its Useful Life	Name of SDG	SDG Number	SDG Description	Search Code	SDG Target	SDG Indicator Number	SDG Indicator	Net Impact on the SDG Indicator (Increase/Decrease)	Project Document Reference Section	Additional Monitoring/ Presentation of Report or Impact Measurement
The Project will maintain forest cover and increase carbon sequestration by improving Forest Management practices within the ejido territory. This Project is projected to remove 126,381,500 tons of CO2 over its 100-year lifespan.	Climate Action	13	Take urgent Action to combat climate change and its impacts.	Target_13				This project will sequester 126,381,500 tons of CO2e over its 100-year lifetime.	IX. Carbon Stocks	Total Verified Emissions for Current Reporting Period (CO2e): 1st reporting period 269,443, 2nd reporting period 277,634.



According to the Project approach carried out with the Cost-Benefit tool of the Climate Action Reserve in the life of the Project which amounts to 100 years, the Project will remove 126,381,500 tons of CO2 e, during the two periods it has removed:

	Reporting period 16/03/2021- 15/03/2022	Reporting Period 16/03/2022- 15/03/2023
Total Verified Removals for Current Reporting Period (CO2e)	269,443	277,634

Expected Contribution of the Project at the End of its Useful Life	Name of SDG	SDG Number	SDG Description	Search Code	SDG Target	SDG Indicator Number	SDG Indicator	Net Impact on the SDG Indicator (Increase/Decrease)	Project Document Reference Section	Additional Monitoring/ Presentation of Report or Impact Measurement
The Carbon Project will maintain the designated forest area in its permanent forest area, which amounts to 26,256 hectares of semi-evergreen forest, and will increase its area at least once during the life of the project.	Life on Land	15	Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss.	Target_15	15.1 By 2020, ensure the conservation, restoration and sustainable use of terrestrial and inland freshwater ecosystems and their services, in particular forests, wetlands, mountains and drylands, in line with obligations under international agreements	15.1.1	15.1.1 Forest area as a percentage of total land area.	Increase	4.2 Environmental Safeguards 5. Additionality for Improved Forest Management activity	100-year project commitment. Permanent forest area of 26,256 ha.



The Project has made a commitment to remain in place for a total duration of 100 years, starting in 2021. To date, it has been applied to the entire permanent forest area, which amounts to 26,256 ha of medium sub-evergreen forest. To date, this area has not been extended.

Expected Contribution of the Project at the End of its Useful Life	Name of SDG	SDG Number	SDG Description	Search Code	SDG Target	SDG Indicator Number	SDG Indicator	Net Impact on the SDG Indicator (Increase/Decrease)	Project Document Reference Section	Additional Monitoring/ Presentation of Report or Impact Measurement
The Carbon Project Activity Area is habitat for the flora species cedar (<i>Cedrela odorata</i>), guayacan (<i>Guaiacum sanctum</i>), and fauna such as Ocellated turkey (<i>Agrocharis ocellata</i>), Ocopheasant (<i>Crax rubra</i>), wild turkey (<i>Penelope purpurascens</i>), toucan (<i>Ramphastos sulphuratus</i>), golden crested eagle (<i>Spizaetus ornatus</i>), howler monkey (<i>Alouatta palliata</i>), spider monkey (<i>Ateles geoffroyi</i>), jaguar (<i>Panthera onca</i>) and tapir (<i>Tapirus bairdii</i>), listed on the "Red List" under the NT (Near threatened), VU (Vulnerable), NT (Near threatened), EN (Endangered), CR (Critically endangered) categories. The Project will maintain forest cover and ecosystem connectivity	Life on Land	15	Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss.	Meta 15	15.5 Take urgent and significant action to reduce the degradation of natural habitats, halt the loss of biodiversity and, by 2020, protect and prevent the extinction of threatened species.			Increase	4.2 Environmental Safeguards	The Project Owner adopts species protection measures under the improved forest management scheme and has FSC Certification.



The Carbon Project Activity Area is the natural habitat of the flora species Cedar (*Cedrela odorata*), Guayacan (*Guaiacum sanctum*), and the fauna Ocellated turkey (*Agrocharis ocellata*), Great curassow (*Crax rubra*), Mountain turkey (*Penelope purpurascens*), Toucan (*Ramphastos sulphuratus*), Golden crested eagle (*Spizaetus ornatus*), Howler monkey (*Alouatta palliata*), Spider monkey (*Ateles geoffroyi*), Jaguar (*Panthera onca*) and Baird's tapir (*Tapirus bairdii*), listed in the "Red List" in the categories NT (Near threatened), VU (Vulnerable), NT (Near threatened), EN (Endangered), CR (Critically endangered). The Project will maintain forest cover and ecosystem connectivity. Forest harvesting activities under the improved forest management scheme protect these species by safeguarding their habitat. In total, it has 11 species on the IUCN Red List and adopts measures to maintain forest cover, ecosystem connectivity and conserve biodiversity in accordance with its Forest Management Plan. Additionally, the Ejido X-Hazil and Annexes have the Forest Stewardship Council (FSC) Certificate, which guarantees that the products originate from well-managed forests and provide environmental, social and economic benefits.

Expected Contribution of the Project at the End of its Useful Life	Name of SDG	SDG Number	SDG Description	Search Code	SDG Target	SDG Indicator Number	SDG Indicator	Net Impact on the SDG Indicator (Increase/Decrease)	Project Document Reference Section	Additional Monitoring/ Presentation of Report or Impact Measurement
For the implementation of the Carbon Project, the Project Developer The Earth Lab, the Ban.CO2 of Carbono Mestizo and Invert Inc. mobilized financial resources from multiple sources (private subsidy, mobilization of private financing with experimental character and foreign direct investment, respectively) to achieve the objectives of the Project.	Partnerships for the Goals	17	Strengthen the means of implementation and revitalize the Global Partnership for Sustainable Development	Target_17	17.3 Mobilize additional financial resources for developing countries from multiple sources.	17.3.1	17.3.1 Additional financial resources mobilized for developing countries from multiple sources.	Increase	4.1 Social Safeguards 4.1.4 Sale of Credits and Use of Funds	Mobilization of financial resources from multiple sources including private subsidies, mobilization of private financing on an experimental basis and foreign direct investment.



In the first and second reporting periods, the Project Developer received funding to implement Project activities, the type of funding being Foreign Direct Investment (FDI). Partnership with INVERT Inc. and Mobilized Private Finance (MPF) on an experimental basis (Partnership through BCO2M). The Earth Lab participates as a direct partner of the communities it works with, contributes knowledge, is a Project Developer and provides human resources to support the community in the development process and measurement activities. Additionally, Private Grants - The Earth Lab Partnership- are also received.

The Agreement includes:

Foreign Direct Investment. Partnership through INVERT Inc.

1. Purpose

Protecting more than 100,000 hectares of Mayan Forest, the Agreement is an effort to ensure a promising future for the Planet through public participation along with ongoing social and economic benefits for local communities.

This alliance seeks to scale up nature-based solutions in the respective carbon project portfolios of Invert and The Earth Lab in Mexico and Latin America.

2. Term in Years

30-year agreement, but the alliance aims to develop a long-lasting relationship, allowing for the greatest possible impact.

3. Best Practices

Always focused on ensuring that communities are the main beneficiaries, allowing them to develop their economies and improve their quality of life. Provide transparency through meetings and ongoing communication.

4. Form of support establishment

Investment Agreement, where Invert and The Earth Lab become partners. In parallel, an alliance was agreed, in which the parties work together to develop a variety of projects in Latin America.



For further detail, please refer to the following link: <https://invert.world/medias/invert-and-earth-lab-partnership/>

Mobilize private finance (MPF) on an experimental basis, Alliance through BCO2M

1. Purpose

Integrate projects that promote good practices, providing human and economic resources to communities that own large tracts of land. BCO2M creates mechanisms and structures that allow all parties involved to work in a transparent manner, which allows attracting clients from different countries.

2. Term

Agreement of 30 years, but the alliance aims to develop a long-lasting relationship, which allows generating the greatest possible impact.

3. Best Practices

Creation of Trust for the carbon project. Support communities in their social, economic and administrative development to strengthen their sustainability.

4. Form of establishing support

Through contract and Bank Trust.

Through private grants - The Earth Lab Alliance

1. Purpose

Develop forestry projects that help conserve and restore different ecosystems.

2. Term

30-year agreement, renewable every 5 years, in which the alliance aims to develop a long-lasting relationship, allowing the generation of the greatest possible impact during the life of the project.

3. Best Practices

Training and support, implementation of methodologies and protocols, which ensure the quality and certainty of the information with which the project works. The Earth Lab has a holistic team that allows it to develop robust projects in compliance with the requirements of the Climate Action Reserve´s Mexico Forest Protocol.

4. Form of establishing support.

Through Contract.

