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1. Escanea el código QR o busca **CrowdComms** en tu tienda de aplicaciones
2. Una vez descargado, ingrese el **código** del evento: **nacw2024**
3. Inicio de sesión: Su **dirección de correo electrónico registrada**
 - Contraseña: Al iniciar sesión por primera vez, tendrá la oportunidad de **establecer su contraseña**

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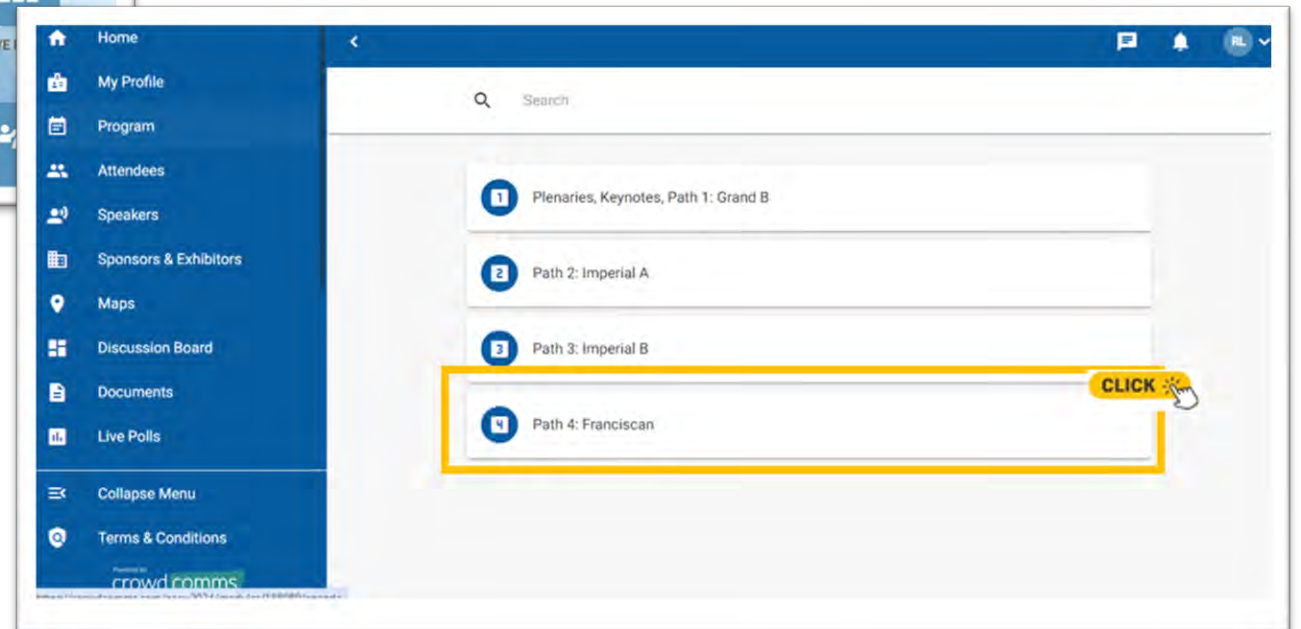
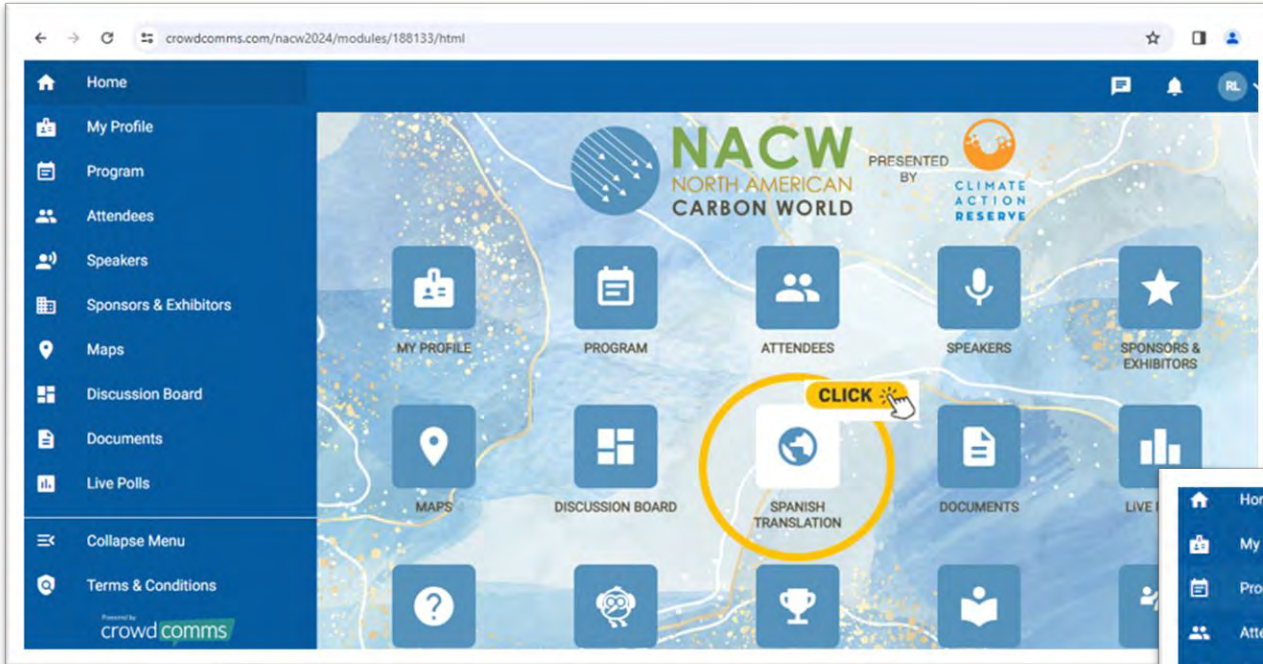


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- Once downloaded, enter event code: nacw2024
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LATAM Carbon Market Expansion: Incorporating Lessons Learned from Mexico and Adapting to New Jurisdictions

NACW, 2024

Reserve Staff



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Amy Kessler
Directora de América Latina



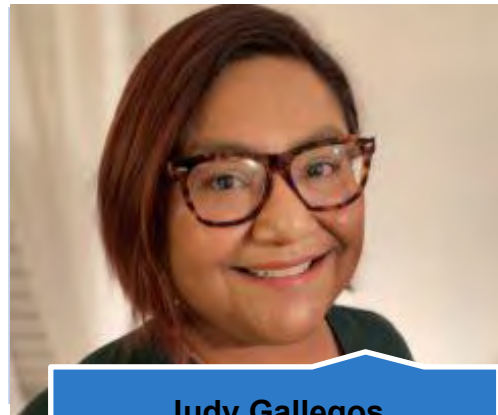
Claudia Jurado
Asociada Analítica, América
Latina



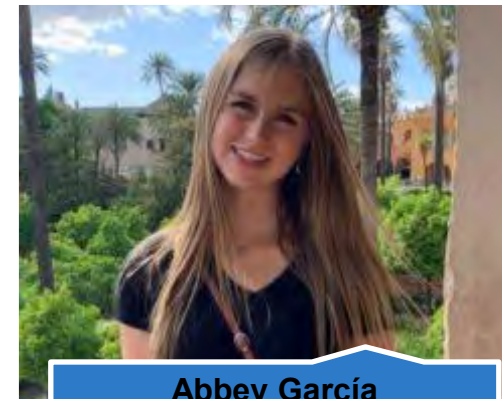
Miguel López Delgado
Gerente Analítico, América
Latina



Celeste Meléndez
Asociada Analítica, América
Latina



Judy Gallegos
Administradora de la Reserva



Abbey García
Asociada Analítica Senior,
América Latina



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AGENDA

- **Climate Action Reserve**
- **Part 1: Mexico Forest Protocol – Lessons Learned**
- **Reserve program in Mexico and LAC**
 - Overview of compliance market and regulation of VCM in Mexico
 - Carbon forest projects & impacts on their communities.
 - Q&A for all, if time allows
- **Part 2: LATAM – Applying Lessons Learned from MX & Protocol Adaptation to New Jurisdictions**
 - Q&A for all



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Overview of the Growth in Mexico's Carbon Market

March 2024
Claudia Jurado

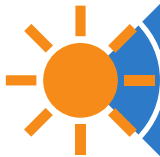
The Climate Action Reserve



NGO founded in 2001



Mission: to develop, promote and support innovative, credible market-based climate change solutions that benefit economies, ecosystems and society



22 offset protocols: USA, Canada, Mexico, Dominican Republic, Panama, Guatemala
* LATAM expansion underway



>700 Projects y 200M+ offset credits issued

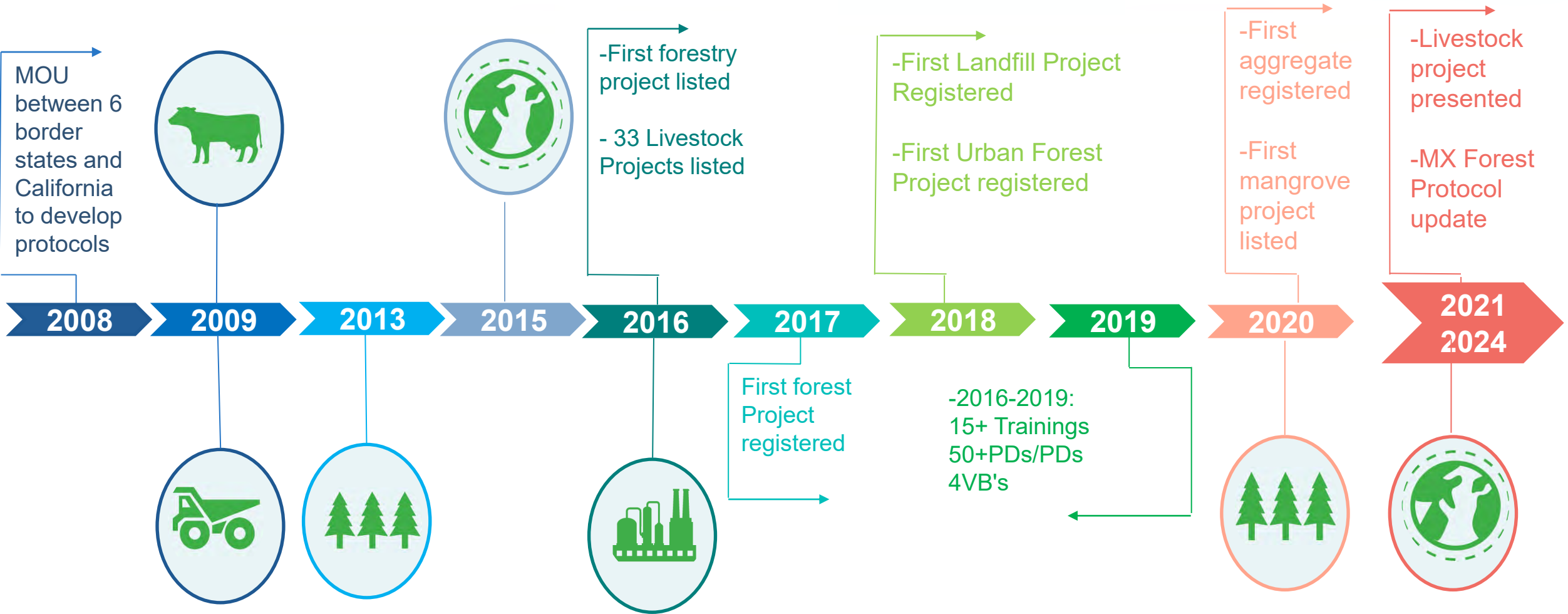


Serve compliance and voluntary carbon markets

Reserve Program in Mexico



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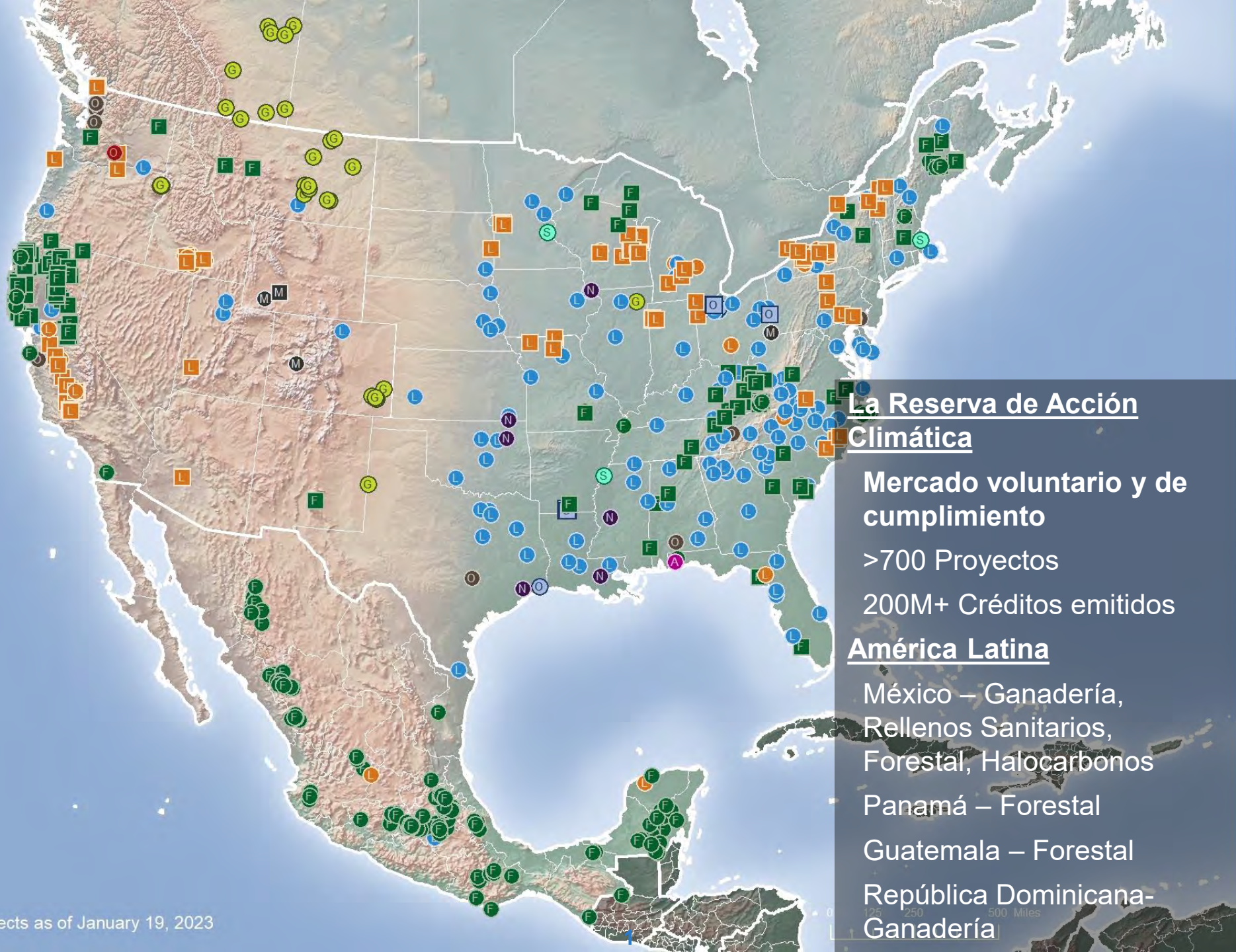




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- Adipic Acid
- Forest
- Forest (ARB)
- Grassland
- Landfill
- Livestock
- Livestock (ARB)
- M Mine Methane
- M Mine Methane (ARB)
- Nitric Acid Production
- Nitrogen Management
- Organic Waste Composting
- Organic Waste Digestion
- O Ozone Depleting Substances
- O Ozone Depleting Substances (ARB)
- Soil Enrichment

Listed, Registered, Transitioned, & Completed Projects as of January 19, 2023



La Reserva de Acción Climática

Mercado voluntario y de cumplimiento

>700 Proyectos

200M+ Créditos emitidos

América Latina

México – Ganadería, Rellenos Sanitarios, Forestal, Halocarbonos

Panamá – Forestal

Guatemala – Forestal

República Dominicana- Ganadería

Role of Communities in Carbon Projects in Mexico

- In Mexico, **communal ownership of the land is legally recognized and enforced.**
- The most prevalent forms of communally-owned land are **Ejidos and Comunidades.**
- While similar, according to the legislation, they differ in aspects like decision-making and how they are able to pass down shares in communal ownership.
- Communities in Mexico are **strongly tied to their cultural roots**, and this aspect drives their **decision-making processes**, as well as how they manage their land.
- **80%** of forests in Mexico are on **communally owned lands**
- The **majority of projects** in Mexico are forest projects on land under communal or ejidal ownership



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Reserve Program in LAC

March 2024

Celeste Melendez

The Growth of Carbon Markets in Latin America

Potencial
Leader

- Several **countries and subnational jurisdictions** are in the process of or have developed carbon taxes or Emission Trader Systems(ETS), that use flexibility mechanisms such as offsetting credits, e.g., Mexico, Colombia, Chile

20%

- Latin America is the world's second-largest **provider of offsets credits**
- **20% of the total global credit supply** coming from the region in 2020 and 2021



- Use of the voluntary market/existing **protocols of international standards** in their government-driven markets, e.g. Panama, Ecuador, etc



Expansion of the Reserve Program in LAC

- Used the Mexican Forest Protocol V3.0 as a starting point
 - Include applicable **Social Safeguards** to the region
 - The program **infrastructure is available in Spanish**: programmatic documents, website, supporting resources, quantification tools, etc
- Growing demand in the region for protocols adapted to their local context
- Inclusion of **local stakeholders**, project developers, verifiers, accreditation bodies, etc., is facilitated.
- Apply **lessons learned from** the VCM and compliance programs/markets

How are we incorporating new LAC countries?

- External stakeholders may submit new concepts for adapting an existing protocol to a new jurisdiction and/or protocol.
- For concepts approved by the Reserve, external stakeholders can facilitate adaptation by revising an initial draft to incorporate local laws, regulations, and context.
- Following the submission of the initial draft, the Reserve applied a rigorous, transparent, and inclusive process for protocol development.



Future Protocol Development

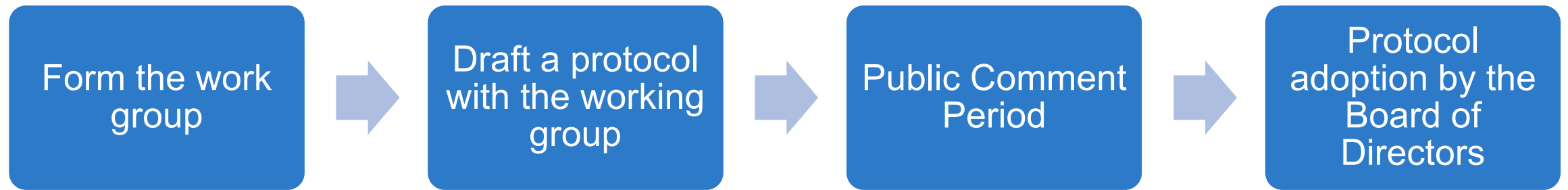
Submit a Protocol Concept

The Reserve welcomes protocol concept suggestions from interested stakeholders at any time. The concepts can be submitted via the forms below, which are designed to address questions that the Reserve will explore when determining a concept's potential for standardized protocol development under the Reserve program. Before submitting a concept form, please review the information below concerning the concept review process, important criteria considered by staff for protocol development, and the Reserve's summary of previously submitted concepts.

- [Protocol Concept Form – Adaptation of a Current Protocol to Include a New Project Activity](#)
- [Protocol Concept Form – Adaptation of a Current Protocol to New Jurisdiction](#)
- [Protocol Concept Form – Brand New Protocol Concept](#)

The form should be filled out with the best available information and emailed to reserve@climateactionreserve.org.

Rigorous, Inclusive and Transparent Process for the the Protocol Development



Inclusive Process: A balanced multi-stakeholder working group is formed with industry and jurisdiction experts, government agencies, environmental organizations, and other stakeholders.

- Stakeholders that are not part of the working group can still participate in the process as “observers”.

Transparent Process: All working group meetings and webinars for the public comment period are recorded and posted on the website along with the drafts

Protocols Published and/or under Development in LAC

Published	In Development
Dominican Republic Livestock	Argentina Livestock V1.0
Mexico Livestock	Next protocol -Argentina Landfill : 2024
Mexico Forest	
Mexico Landfill	
Mexico Halocarbon/ ODS	
Mexico Boiler Efficiency	
Guatemala Forest	
Panama Forest	





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Reserve Mexico Program

Social and Environmental
Safeguards

March 2024

Abbey Garcia

Protocol Objectives



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Ensure high quality carbon credits that guarantee the environmental and social integrity of the project.



Align the protocol with the laws and regulations of Mexico.



Incentivize carbon sequestration in the forestry sector that can incorporate multiple activities and different forest ownership structures.



Generate co-benefits (social and environmental).

Update to the Mexico Forest Protocol V3.0



Safeguards and Eligibility



Additionality



Forest Inventory



Mangrove PST tool



Permanence

Section 3.9: Social Safeguards

Requirements for compliance with social safeguards for ejidos and communities include:

Free, prior and informed consent

- Have one or a series of assemblies where project issues, costs and benefits, and **advance and prior use of funds are discussed before the vote**
- Have a vote to approve the project

Notification, Participation and Documentation

- Describe how assemblies are announced
- Open space for participation
- Publically document the assembly notes

Project Governance

- **Identify a project coordinator to represent the community/ejido with the verifiers and the Reserve**
- **Identify the role of the coordinator and their participation in project activities**

SS4: Credit Sales and Use of Funds

- **All credit sales and use of funds generated by the forest carbon project must be discussed and documented in an Assembly Act prior to each reporting period**
 - How decisions will be made regarding the use of funds generated by the project
 - The dynamics that determine market prices of voluntary carbon credits and sources used
 - Credit pricing information and where it was sourced
 - If the project has previously sold credits, the extent of any negotiations and all considered offers and credit pricing
 - If the project has previously sold credits, purchase agreements and related contracts must be presented on and made available to community members
 - If the project has previously sold credits, how the funds from those credits were used
community members
 - If the project has previously sold credits, how the funds from those credits were used

SS6: Project Developer Approval

- **When working with a separate project developer, the decision must be approved in a general Assembly and through**
 - Established formal and/or traditional authorities ▪
 - An Assembly Act with consensus (>50%) of all present community members in favor
- **A contract that determines:**
 - The scope of project developer services
 - Terms of payments, and the
 - Division of costs and benefits.
 - Rights to CRTs and future credit payments,
 - Terms for contract renewal, renegotiation, or termination, including measures to reassess the terms of contract on an ongoing basis

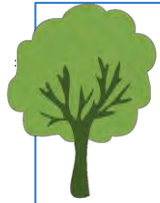
SS12: Role and Participation of the Project Coordinator

A Project Coordinator has the important role of serving as the link between the Project Developer, the Reserve, and the community. Additionally, they should:

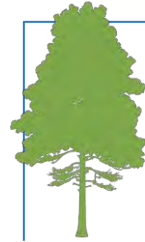
- Be included as the Account Manager for the Forest Owner account on the Reserve registry
- Be included in all communications between the project developer and the Reserve and/or verification body as well as communications regarding the sale of credits issued
- Be included in all Forest Project monitoring, reporting, and verification processes

Environmental Safeguards

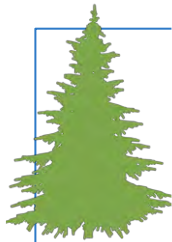
All projects must:



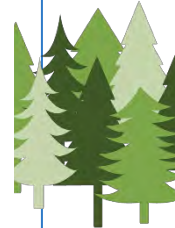
Maintain or increase carbon stocks



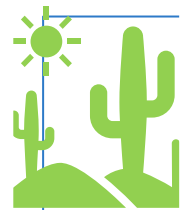
Use and diversity of native species



Sustainable harvesting practices



No decreasing forest cover in the Project Area



Maintain natural soil cover

- **The Reserve continually reviews our protocols to ensure the greatest rigor and integrity and in today's climate with ICVCM and other international efforts that we are coordinating with to ensure quality,**
- **We are reviewing our forest protocols generally for any potential larger changes such as for baselines, additionality, leakage etc.; in particular for the MFP**
- **The Reserve is also actively reviewing the eligibility of specific areas included under the forest management plans in MX to ensure carbon stocks are at risk and all growth/removals are additional.**
- **Other updates to the MFP include a V3.1 to include mangrove soil carbon and other environmental and social safeguard conditions.**



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Overview of compliance market and regulation of VCM in Mexico

Pedro Morales



UPDATES TO REGULATION OF CARBON MARKETS IN MEXICO



COMPLIANCE CARBON MARKET

The Federal Government has failed to issue secondary legislation in order to implement the national compliance carbon market, after pilot phase was implemented (albeit during COVID).

The Federal Ministry of Environment and Natural Resources (SEMARNAT) has publicly expressed its opposition to a compliance carbon market. However, other Federal entities, such as the Ministry of Finances, have not manifested such disapproval.

It appears complicated that the same is to be implemented during this administration, if the same establishes restrictions to the publicly owned oil and electricity companies (PEMEX and CFE) .

Several states are looking forward to implement regional/state voluntary carbon markets and have enacted new law amendments to introduce carbon taxes.

PROPOSED REGULATIONS

SEMARNAT sent to several interested parties a draft of Regulations to the Climate Change Law, regarding carbon markets and transactions.

- The Regulations have several deficiencies that prove lack of understanding of voluntary markets from the authority who drafted the same.
- Although based on the 2022 amendment to the Forestry Law, attends to all carbon related projects.
- There is a belief of the authority that voluntary markets are to be regulated to avoid abuses of forest land owners (mainly ejidos and rural communities).
- Prior informed consent provisions and social safeguards (including empowerment of women) are included, although the same should be established by a law and not all requirements are applicable to all projects (there being a confusion of several provisions and requirements if the same are applicable to nature based projects or others as well).
- Transactions involving the sale of carbon bonds are to be previously authorized by SEMARNAT.
- State endeavors are to be coordinated and controlled by the Federal government.
- A national registry is to be created, to include carbon standard entities, project developers, projects (to be provided with an ID number) and avoid double counting of GHG reductions.
- Carbon bonds price index and project costs index are to be published.





PROPOSED REGULATIONS (2)

- SEMARNAT and PROFEPA to provide advisory services to ejidos and communities (land owners) and Federal environmental agencies to provide training on carbon markets to other authorities.
- Standards for carbon related projects, to be first approved by SEMARNAT to operate in Mexico (lack of understanding of international voluntary carbon standards).
- Compliance certificates may be issued by SEMARNAT
- SEMARNAT may cancel registration of projects in case of lack of compliance
- Guidelines to be published.

- There was a meeting in SEMARNAT, when different officials had contradicting views of the interpretation of the draft of Regulations, even considering that the version provided to the public was not the last one.
- Unlikely that the Regulations are published during this administration.



Pedro Morales
Partner

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Project Coordinator Presentations

March 2024



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Project Developer

Alvaro Rivera
AGESA



LATAM Carbon Market Expansion
Incorporating lessons learned from Mexico and
adapting to new jurisdictions



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The impact of the project on the communities to ensure that it is beneficial for all parts involved

NACW, 2024

Experiences as project developers, In Durango, Mexico.

“Local actions for global problems.(because we want to fully comply with the UN criterio)”

In 2018, we began as project developers to the Climate Action Reserve (CAR)

We started with Los Bancos ejido; Since then to date, 7 more projects from the state of Durango have been added.

AGESA's commitment is to comply with the 3.0 protocol of the Climate Action Reserve (CAR), for the benefit of the forest owners (in a coefficient manner¹)



Besides, to complying with additionality (CAR), since 2022 the UN Sustainable Development objectives, are being met.

1.- Eco-efficient: “sustainable economic development and environmental protection”, Source: CEPAL, 2005.³⁸

coverage per project of the objectives of the UN sustainable development (13 of 17)

Proyecto	1 FIN DE LA POBREZA	2 HAMBRE CERO	3 SALUD Y BIENESTAR	4 EDUCACIÓN DE CALIDAD	5 IGUALDAD DE GÉNERO	6 AGUA LIMPIA Y SANEAMIENTO	7 ENERGÍA ASEQUIBLE Y NO CONTAMINANTE	8 TRABAJO DECENTE Y CRECIMIENTO ECONÓMICO	10 REDUCCIÓN DE LAS DESIGUALDADES	13 ACCIÓN POR EL CLIMA	15 VIDA DE ECOSISTEMAS TERRESTRES	16 PAZ, JUSTICIA E INSTITUCIONES SÓLIDAS	17 ALIANZAS PARA LOGRAR LOS OBJETIVOS
Ejido Los Bancos (12 objetivos)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Ejido Chavarría Nuevo (13 objetivos)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
El Tarahumar y Bajíos del Tarahumar (12 Objetivos)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

1.- End of Poverty

2.- Zero hunger.

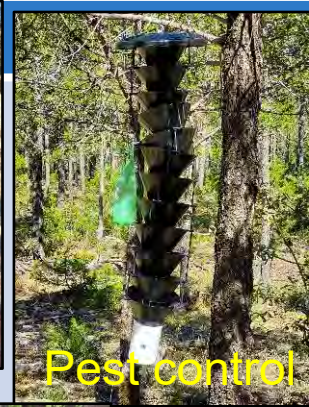


Forest Owner

Actions

Ejido Los Bancos

Self-employment of the ejidatarios and vecindados in local works and actions to improve and care of forest.



Ejido Chavarría Nuevo

Self-employment of the ejidatarios and vecindados in local works and actions to improve and care of forest.



El Tarahumar y Bajíos del Tarahumar

Self-employment of the ejidatarios and vecindados in local works and actions to improve and care of forest.





Forest Owner

Actions used

Ejido Los Bancos

Improving the conditions of their clinic for a better care of the ejidatarios y vecindados. They are fulfilled with Social safeguards.

Ejido Chavarría Nuevo

El Tarahumar y Bajíos del Tarahumar

Forest Owner
Ejido Los Bancos
Ejido Chavarría Nuevo
El Tarahumar y Bajíos del Tarahumar

Actions used

Improving the conditions of their schools
 Receiving training by AGESA, CIIDIR, IPN², Unit Forestry, CONAFOR³



2.- CIDIIR-IPN: Centro Interdisciplinario de Investigación para el Desarrollo Integral Regional- Instituto Politécnico Nacional

3.- CONAFOR: Comisión Nacional Forestal

Forest Owner

Actions used

Ejido Los Bancos

The Coordinator and Manager of the Ejido account to CAR is a woman: Azucena Alemán She held a management position within the ejido organization. Employment of women from the ejido and vecindadas (biological corridors, thinning, cleaning the ejido, etc.



Azucena Alemán Hdz



Azucena Alemán Hdz

Ejido Chavarría Nuevo

The Coordinator and Manager of the Ejido account to CAR is a woman: Brenda Karem Delgado. Employment for women from the ejido and Vecindadas



Brenda Karem Delgado



Nancy Corral



Dora Amezcua

El Tarahumar y Bajíos del Tarahumar

Jobs for women in the Community. Management positions within the communal organization. Supporting indigenous tradition settled in the Community.



Sawmill workers



Sawmill workers

6.- CLEAN WATER AND SANITATION

Forest Owner	Actions used
Ejido Los Bancos	<p>They are Hiring a company endorsed by CIDIIR-IPN so that they can have water suitable for human consumption (since they are supplied with a springs)</p> <p>Commitment of the ejido is to treat the residual water of the inhabitants of the ejido, The goal is to be eco-efficient.</p>
Ejido Chavarría Nuevo	



CIDIIR Staff and-IPN, explaining the benefits of having drinking water and wastewater treatment.

7.- AFFORDABLE ENERGY AND NOT POLLUTANT.



Forest Owner **Actions used**

Ejido Los Bancos

Place solar heaters, to reduce their carbon footprint.



Ejido Chavarría Nuevo

Place solar heaters, to reduce their carbon footprint. They are Generating electrical energy from solar panels, to reduce emissions in tons of CO2 in their Productive processes.



El Tarahumar y Bajíos del Tarahumar

They adopt alternative or friendly energies with the environment.



Forest Owner	Actions used
Ejido Los Bancos	<p>Self-employment of Ejidatarios/Comuneros and vecindados in local works and improvement actions and forest care, tending to reverse the negative effects caused to the environment.</p> <p>At the end of 15 years of contract , AGESA will deliver the project to each forestry owner, previous capititation, so that they manage it and they developed alone.</p>
Ejido Chavarría Nuevo	
El Tarahumar y Bajíos del Tarahumar	

Self-employment of Ejidatarios/Comuneros and vecindados in local works and improvement actions and forest care, tending to reverse the negative effects caused to the environment.

At the end of 15 years of contract , AGESA will deliver the project to each forestry owner, previous capititation, so that they manage it and they developed alone.



Forest Owner

Actions used

Ejido Los Bancos

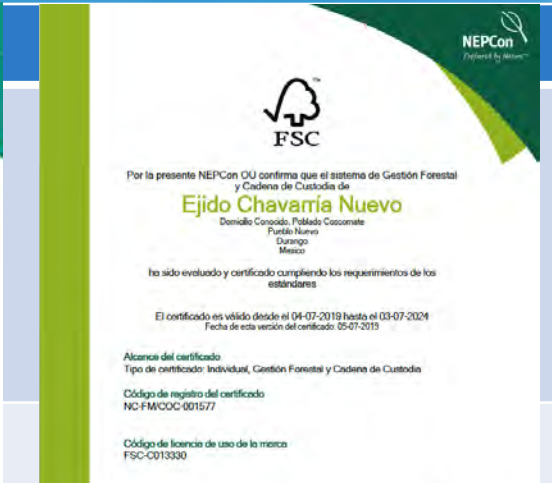
Increase actions of conservation and improvement of the ejidos forest, as the associated resources (water, soil, air) through of reforestation, pruning, filter dams, firebreak gaps and forest sanitation treatment, etc.

Ejido Chavarría Nuevo

Garbage collection, and management actions sewage water.

El Tarahumar y Bajíos del Tarahumar

Adopt the processes of international certifications to obtain a certificate in good forest management (FSC).



Reforestations



Dams filters



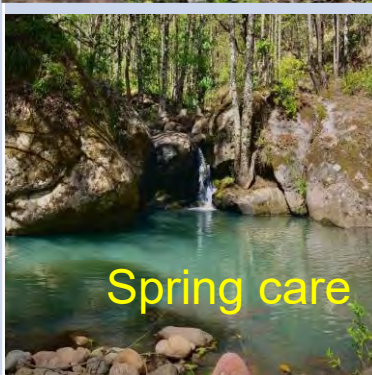
Regeneration



Prevent erosion



Cordons



Spring care



Control of pests



Fire fighting equipment

15.- LIFE OF TERRESTRIAL ECOSYSTEMS

Forest Owner	Actions used
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Ejido Los Bancos

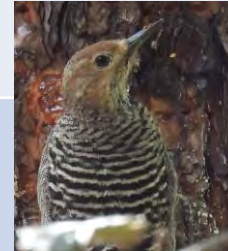
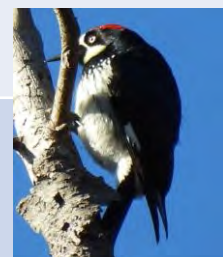
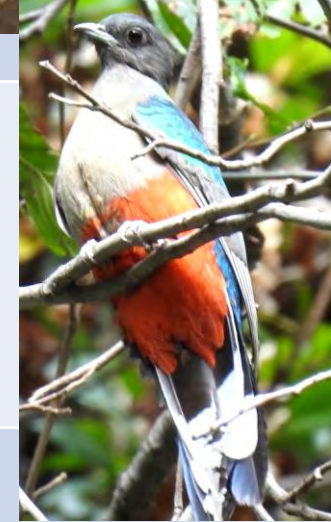
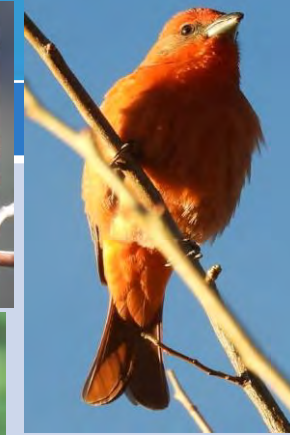
Commitment to identify biological corridors which the ejido has for their knowledge.

Ejido Chavarría Nuevo

With the identification of the biological species present, they must carry out activities to protect and preserve them, whether local or regional species.

El Tarahumar y Bajíos del Tarahumar

Supported by AGESA as well like the staff of the CIIDIR and IPN (Mexico) Proposal to develop in the community Tarahumar and Bajíos del Tarahumar, they want to reintroduce Mexican wolf. (from the experience of Yellowstone).



Owner

Actions used

Ejido Los Bancos

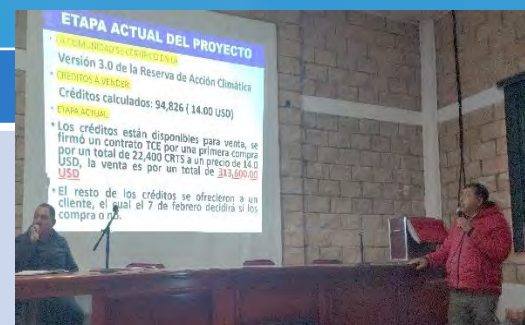
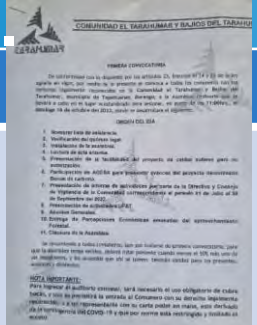
The Assembly is the maximum organ within the Ejido/Community, legally constituted and recognized by Public organizations of the mexican government⁴.

Ejido Chavarría Nuevo

Each Ejido/Community counts with internal regulations, which governs their lives inside. Besides, their decisions are based legally and observing the provisions of the agrarian regulation laws.(registro agrario Nacional, Procuraduría agraria, Comisión Nacional Forestal, Autoridades Civiles y Militares).

El Tarahumar y Bajíos del Tarahumar

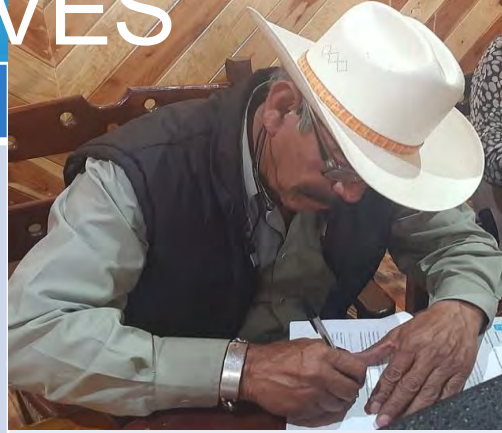
AGESA attends these assemblies to present the project, progress, administration of resources, commitments and work report.



4.- National Agrarian Registry, Agrarian Attorney General's Office, National Forestry Commission, Civil and Military Authorities

17.- ALLIANCES TO ACHIEVE OBJECTIVES

Forest Owner	Actions used
Ejido Los Bancos	<p>Employment contract with AGESA, where AGESA makes the investment to develop the project generating jobs for ejidatarios and have an income after the sale of CRT to improve the environment and theirs quality of life.</p>
Ejido Chavarría Nuevo	
El Tarahumar y Bajíos del Tarahumar	<p>Contract with the World Bank and other international organizations, to attract investments.</p>





Cool Effect is:

- A non-profit organization in San Francisco, California.
- It was one of the first to support ejidos and communities implementing carbon projects using Mexico's MFM protocol.

Cool Effect:

- He has represented AGESA projects for the last three and a half years.
- It helps us find buyers for our projects.
- He has visited our projects twice and has met the ejidos and their ejidatarios.

AGESA:

- We greatly appreciate the long-term support and dedication to price transparency.
- We know how much our credits sell for and we know exactly how much and when we will receive for our work.

- **TOGETHER:** We strengthen projects and improve communities



CLIMATE
ACTION
RESERVE

Project Developer

Alberto Ramírez
BRET Consultores



Latam Carbon Market Expansion: Incorporating Lessons Learned from Mexico and Adapting to New Jurisdictions



BRET'S ACHIEVEMENTS



01 CHIHUAHUA
64,590 ha of forest generating offsets
10 projects
348,333 offset issued in 2023

02 QUINTANA ROO
27,213 ha of forest generating offsets
1 project
In partnership with Catona Climate

03 DURANGO
18,227 ha of forest generating offsets
5 projects
Partnership with FreePoint C.

04 JALISCO
3,116 ha of forest generating offsets
4 projects
30K of offsets expected in 2024

05 LATIN AMERICA
First projects expected to be developed
in Arg, Peru, Paraguay, Colombia,
Panama and Guatemala

SINCE 2021, WE HAVE WORKED WITH 20 FORESTRY COMMUNITIES
WE HAVE TRAINED MORE THAN 650 COMMUNITY TECHNICIANS
WE ARE PART OF THE WORKING GROUP FOR THE IMPLEMENTATION OF THE CAR FOREST PROTOCOL IN GUATEMALA AND PANAMA
OUR PROJECTS ARE INCLUDED IN THE REGISTRY OF COMPENSATION PROJECTS OF THE STATE OF QUERETARO
WE WORK IN PARTNERSHIP WITH NATIONAL AND INTERNATIONAL ORGANIZATIONS, SUCH AS CATONA CLIMATE AND FREE POINT COMMODITIES
WE HAVE IMPLEMENTED A BENEFIT SHARING MECHANISM IN THE COMMUNITIES WHERE WE DEVELOP PROJECTS
WE ARE PLANNING THE FIRST FORESTRY PROJECT IN PANAMA

WE ARE VERY KEEN ON STRENGTHENING THE INTEGRITY OF OUR PROJECTS BY FOLLOWING THE GUIDANCE OF THE CAR MFP SOCIAL AND ENVIRONMENTAL SAFEGUARDS, BUT WE GO FURTHER AIMING TO THE IMPLEMENTATION OF THE 10 CCPS TO ENHANCE THE QUALITY OF OUR PROJECTS AND THEREFORE THE QUALITY OF OUR CREDITS.



85,932 TOTAL HECTARES OF FORESTRY PROJECTS

348,333 CRTS ISSUED IN 2023



BRET TEAM EXPERIENCE

- 2014**

1st pilot forestry project in Mexico
- 2015**

Trainings for the 1st projects in Puebla and Hidalgo
- 2016**

1st CAR accredited verifiers in Mexico
- 2017**

Members of the working group for the update of the MFP V2.0
- 2018**

CO2MUNITARIO project planning
- 2019**

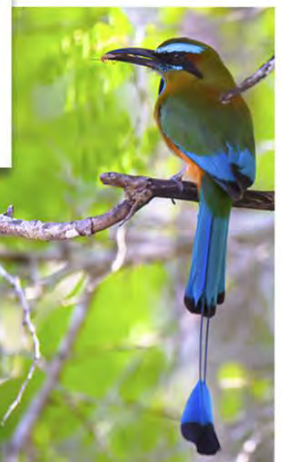
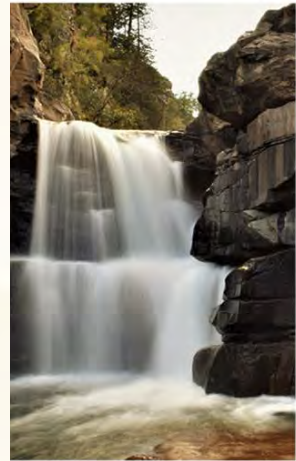
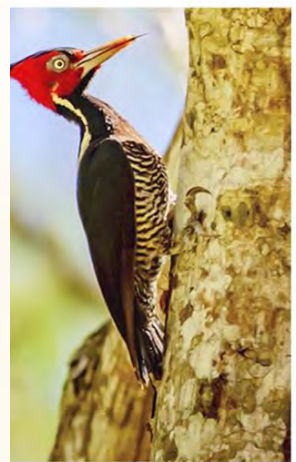
Starting of CO2MUNITARIO as the largest Mexico's project
- 2020**

Environmental public policy work with governmental institutions
- 2021**

Members of the working group for the update of the CAR's MFP V3.0
- 2022**

Design of the Mexico Carbon Forum along with Mexico2
- 2023**

Members of the work group for the Panama and Guatemala CAR Protocols





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Project Developer

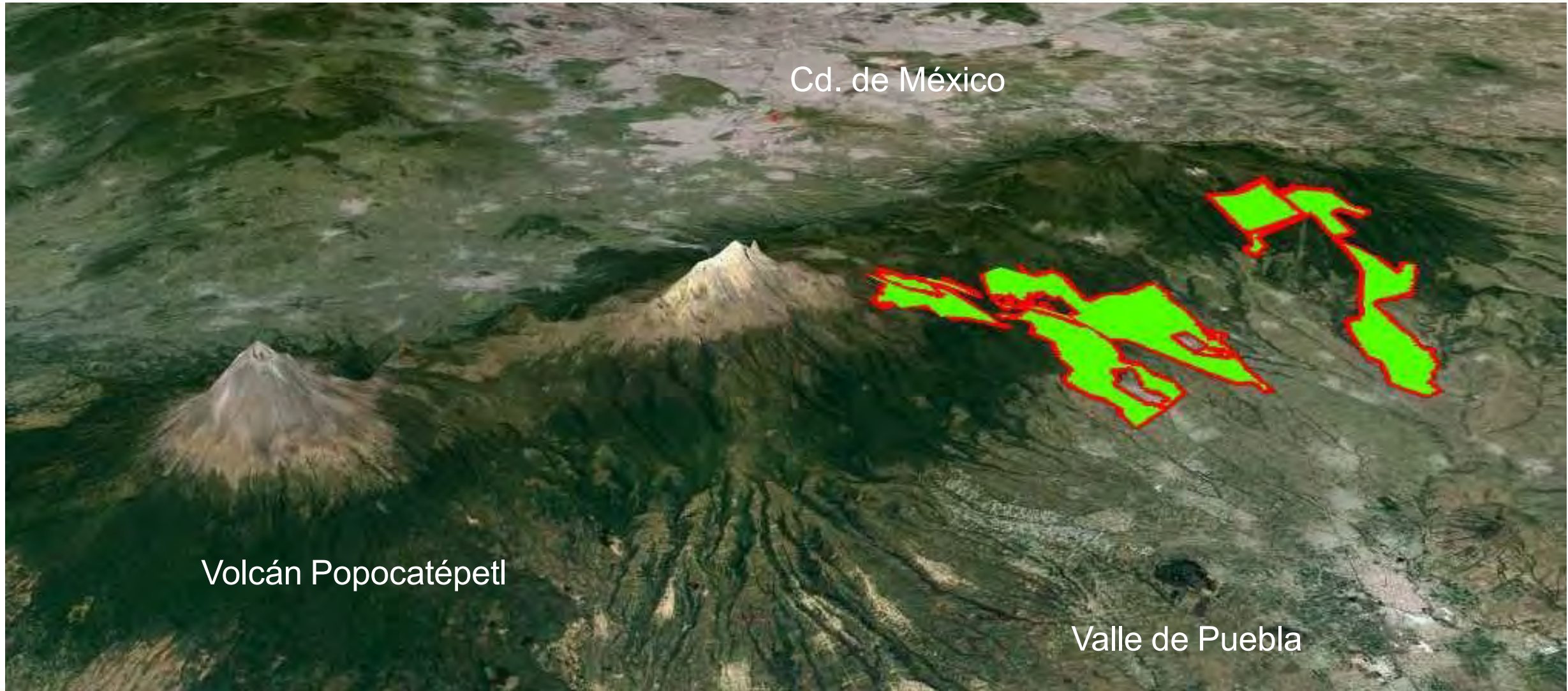
Germanico Galicia
SYCAF



CLIMATE
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RESERVE

Los Proyectos de Carbono y su impacto regional

Germánico Galicia



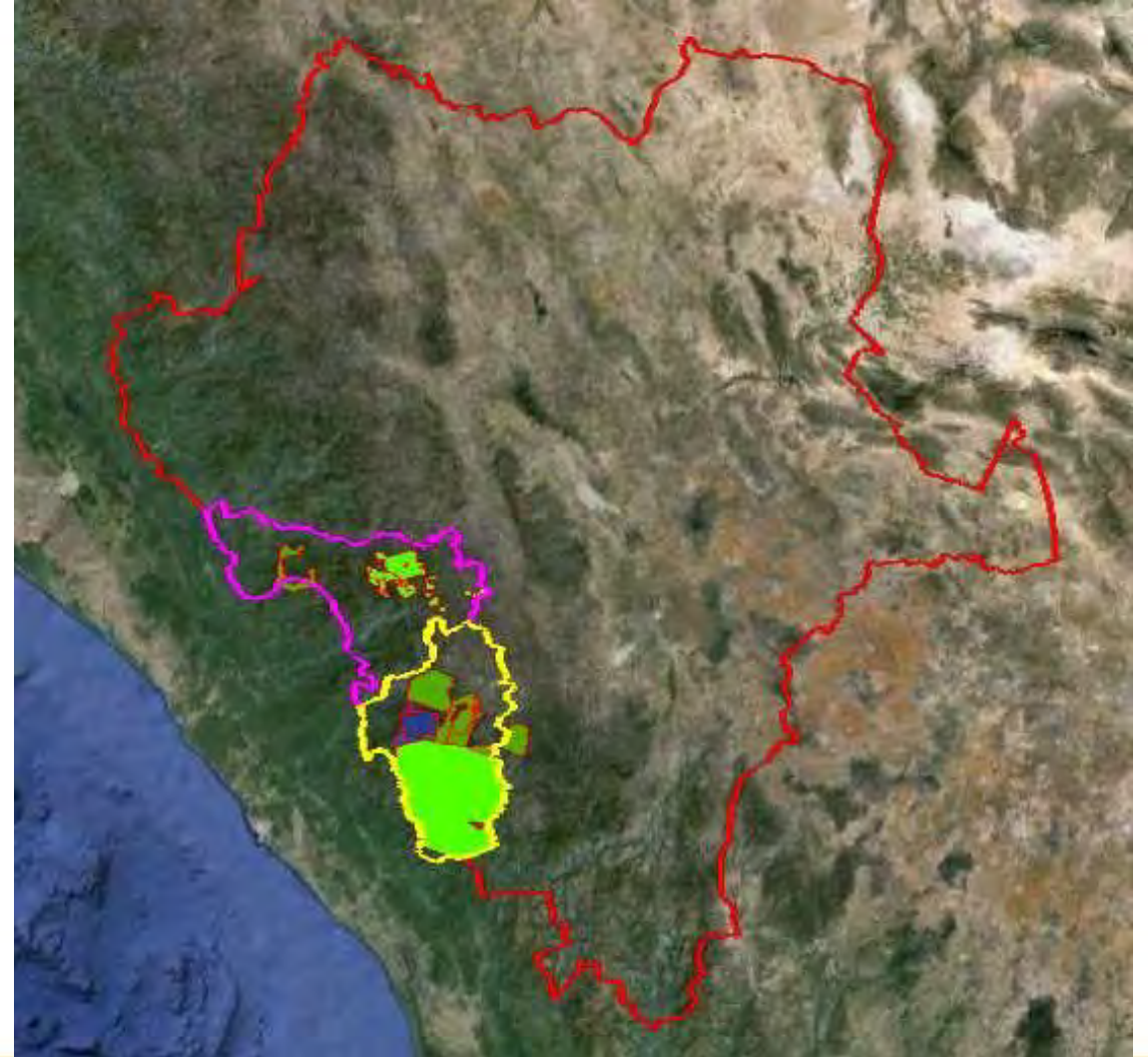
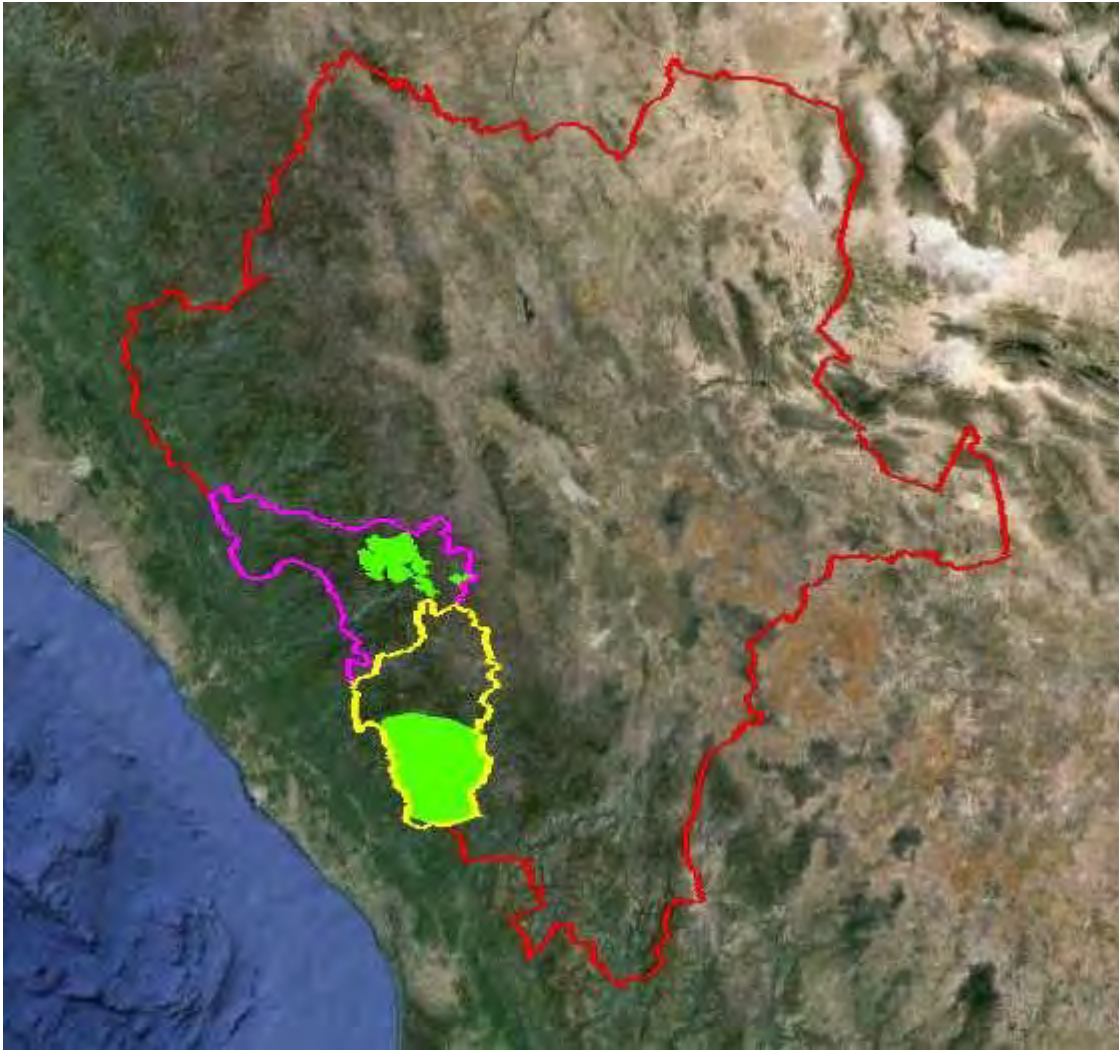
Suma de capacidades, recursos y experiencia



Unidades de Manejo Forestal (UMAFOR)



- ✓ **Artículo 105** de la Ley General de Desarrollo Forestal Sustentable de México
- ✓ La Comisión Nacional Forestal delimitará **unidades de manejo forestal**, con los siguientes objetivos:
 - Ordenación forestal sustentable
 - Planeación ordenada de las actividades forestales
 - Manejo eficiente de los recursos forestales
- ✓ 227 Unidades de Manejo Forestal delimitadas en todo el país.



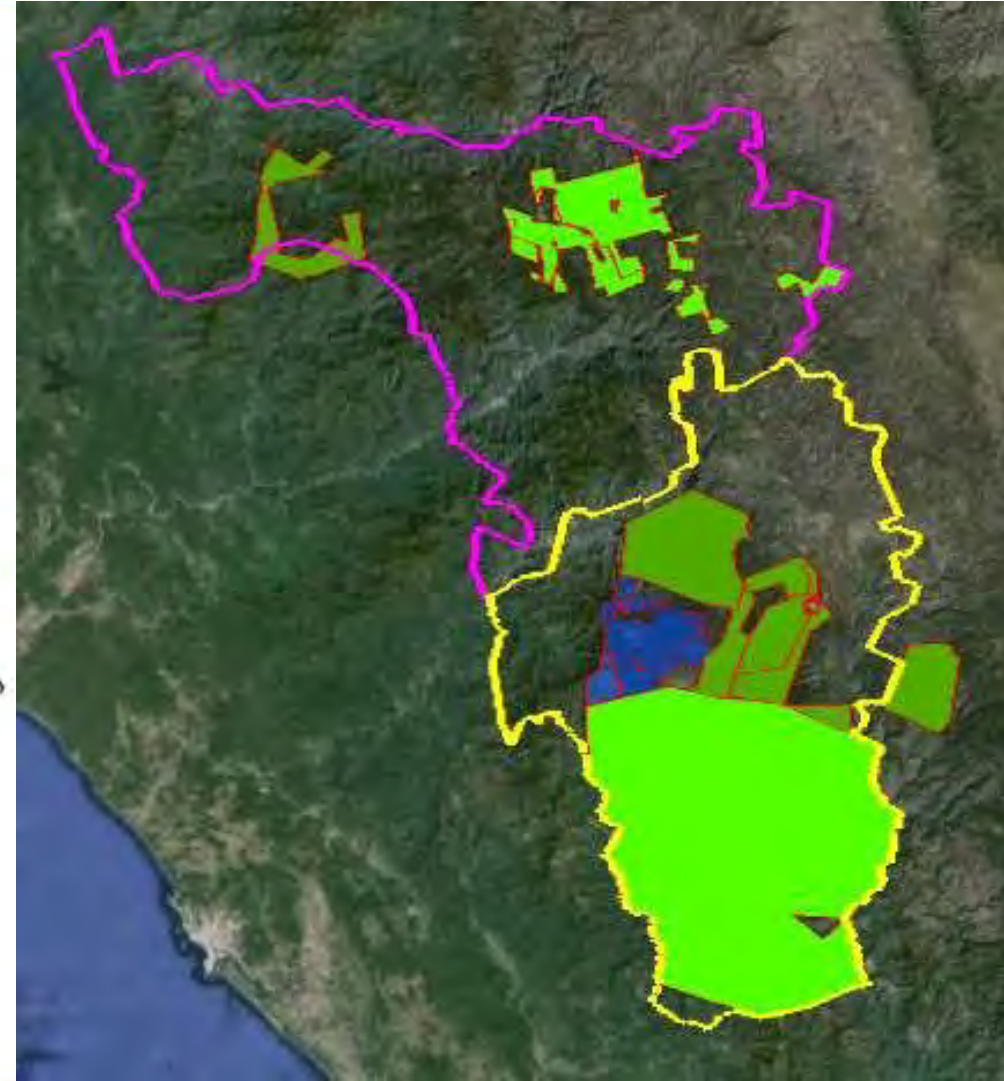


**SERVICIOS
FORESTALES**

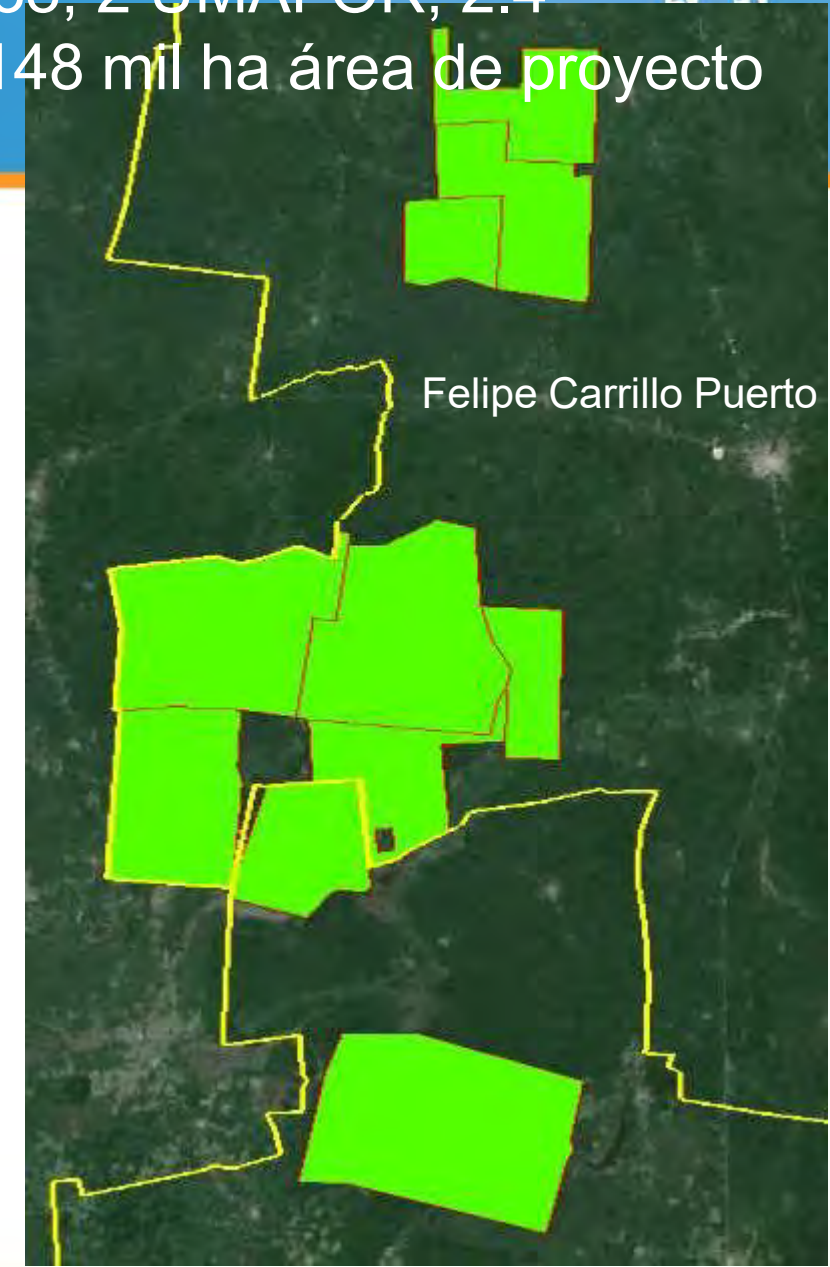
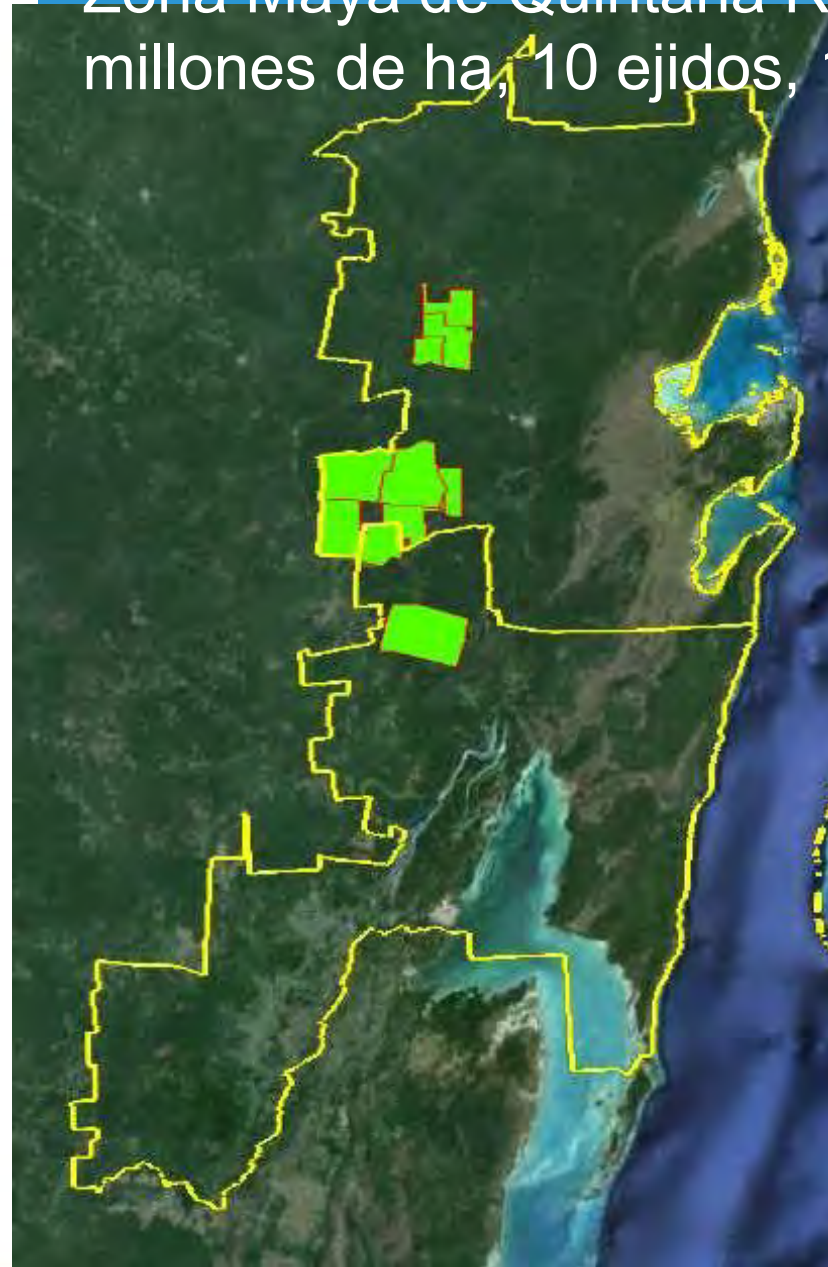
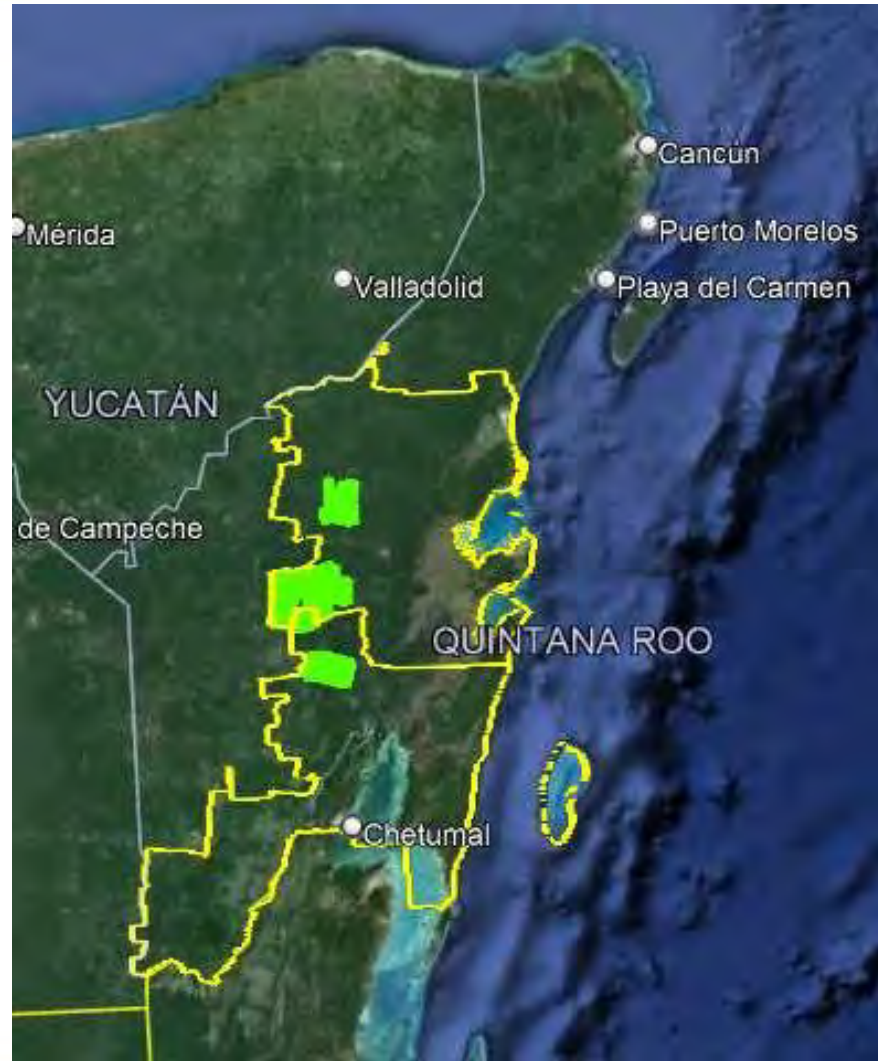


**ORGANIZACIONES
DE EJIDOS**

**OTROS EJIDOS
CON PROYECTOS
DE CARBONO**



Zona Maya de Quintana Roo, 2 UMAFOR, 2.4 millones de ha, 10 ejidos, 148 mil ha área de proyecto



Posibles proyectos regionales

- Protección contra incendios forestales
- Proyecto regional de caminos forestales
- Monitoreo de la biodiversidad

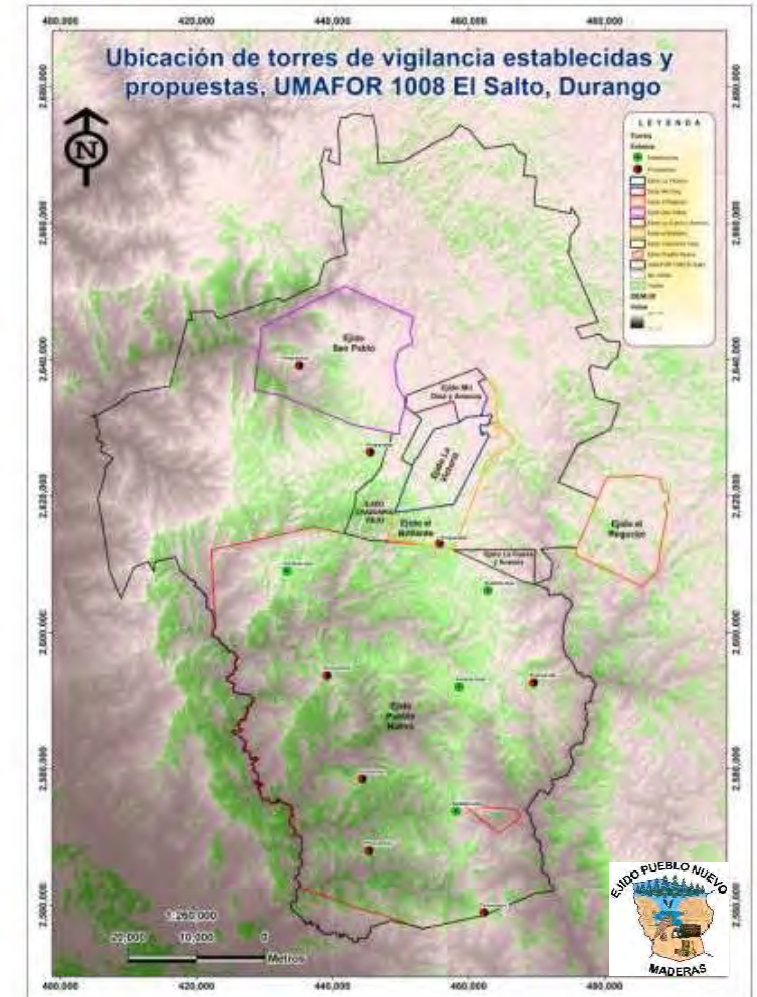
Detección oportuna



Torres de detección



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Coordinación con brigadas de combate



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ACTION
RESERVE



Equipamiento y labores de prevención



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Caminos forestales (equipamiento con maquinaria)



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RESERVE



Fotografía: Germánico Galicia García



Fotografía: Germánico Galicia García

Maquinaria y camiones



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Fotografía: Germánico Galicia García



Fotografía: Germánico Galicia García

Revestimiento y obras de drenaje (cunetas, alcantarillas)



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Fotografía: Germánico Galicia García



Fotografía: Germánico Galicia García



Monitoreo de la biodiversidad



Metopium brownei (Chechen)



Swietenia macrophylla (Caobas, Zona Maya, Quintana Roo)



Fotografías: Germánico Galicia García



MOULTRIE

☾ 93 °F

CAMERA 1

10 JUN 2023 04:33PM



MOULTRIE

○ 77 °F

CAMERA 1

20 JUL 2023 01:14AM



 FORLIANCE ©
GROWING CLIMATE ACTION



FORLIANCE ©
GROWING CLIMATE ACTION

• Extraer Fichas
• Derribar Arbolado
• Tirar Basura y otros Desechos
• Provocar INCENDIOS
¡ CUIDA LOS BOSQUES Y SELVAS



MOULTRIE

○ 82 °F

CAMERA 1

21 JUL 2023 01:14 PM



MOULTRIE

☾ 86 °F

CAMERA 1

28 JUN 2023 11:20AM



 **FORLIANCE** ©
GROWING CLIMATE ACTION

MOULTRIE

○ 107 °F

CAMERA 1

12 JUN 2023 11:15AM



MOULTRIE

○ 75 °F

CAMERA 1

23 JUN 2023 04:28AM

Durango



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Fotografía: José de la Luz Santillán Soto



Fotografía: José de la Luz Santillán Soto

GÉNERO PINUS: 14 ESPECIES

REPRESENTAN EL 12% DE LAS ESPECIES QUE EXISTEN EN EL MUNDO, EL 24% CON RESPECTO A MÉXICO Y EL 70% DE LAS DE DURANGO.



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Fotografía: José de la Luz Santillán Soto



Fotografía: José de la Luz Santillán Soto

GÉNERO QUERCUS: 32 ESPECIES

REPRESENTA EL 23% DE LAS QUE EXISTEN EN MEXICO Y 89% DE LAS QUE TIENE EL ESTADO DE DURANGO.



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Fotografía: José de la Luz Santillán Soto



Fotografía: José de la Luz Santillán Soto

**GÉNERO ARBUTUS: 6 ESPECIES
CORRESPONDEN AL 50% DE LAS QUE EXISTEN EN MÉXICO**



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Fotografía: José de la Luz Santillán Soto



Fotografía: José de la Luz Santillán Soto

ESPECIES EN PELIGRO DE EXTINCIÓN: 4 ESPECIES



Fotografía: José de la Luz Santillán Soto

Nombre Común: Cotorra Serrana Occidental
Nombre Científico: *Rhynchopsitta pachyrhyncha*
Nombre en Inglés: Thick-billed Parrot
Categoría: En Peligro de Extinción y Endémica



Fotografía: José de la Luz Santillán Soto

Nombre Común: Loro Corona Lila
Nombre Científico: *Amazona finschi*
Nombre en Inglés: Lilac-crowned Parrot
Categoría: En Peligro de Extinción y Endémica

AVES: SE HAN ENCONTRADO 31 ESPECIES QUE ESTÁN EN ALGUNA CATEGORÍA DE RIESGO Y CON UN ALTO ENDEMISMO.



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ESPECIES EN PELIGRO DE EXTINCIÓN: 4 ESPECIES



Fotografía: José de la Luz Santillán Soto

Nombre Común: Guacamaya Verde
Nombre científico: *Ara militaris*
Nombre en Inglés: Military Macaw
Categoría: En Peligro de Extinción



Fotografía: José de la Luz Santillán Soto

Nombre Común: Chara Pinta
Nombre Científico: *Cyanocorax dickeyi*
Nombre en Inglés: Tufted Jay
Categoría: En Peligro de Extinción y Endémica

AMENAZADAS Y SUJETAS A PROTECCION ESPECIAL : 6 ESPECIES



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Fotografía: José de la Luz Santillán Soto

Nombre Común: Pava Cojolita
Nombre Científico: *Penelope purpurascens*
Nombre en Inglés: Crested Guan
Categoría: Amenazada



Fotografía: José de la Luz Santillán Soto

Nombre Común: Quetzal Orejón
Nombre Científico: *Euptilotis neoxenus*
Nombre en Inglés: Eared Quetzal
Categoría: Amenazada y Cuasiendémica

Otros posibles proyectos

- Detección y combate de plagas y enfermedades forestales.
- Producción de plantas de alta calidad para la reforestación.
- Proyectos de mejoramiento genético (árboles superiores, áreas semilleras, huertos semilleros).
- Integración de bases de datos de manejo forestal (parcelas de monitoreo).

En todos estos proyectos podrían concurrir con capacidades y recursos adicionales los propios ejidos a través de sus Direcciones Técnicas, los gobiernos municipales, estatales y federal, así como, ONG's, entidades financieras, entre otros (PNUD, USAID, BM, GEF).



Muchas Gracias

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Part two: Applying Lessons Learned from MX & Protocol Adaptation to New Jurisdictions

March 2024

Speakers



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Ana Moreno

Climate Change Analyst,
Ministry of Environment of
Panama



Pablo Gabutti

Secretary of Energy
Transition, Ministry of
Infrastructure and Public
Services, Córdoba



Rosendo Perez

ICICO AC International
Liaison



Denitza

Operations Director,
MexiCO2



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Panama Forest Protocol

Ana Moreno

Adaptation of the Mexico Forestry Protocol



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Forestry offsetting protocol for CAR offset credits



- Participatory process
- National circumstances and regulations
- Issuance of high quality credits
- Simplify processes and rely on expertise
- Increase transparency
- Development of national projects
- Protocol in spanish

Panama forestry protocol for offset credits

- Lessons learned

Importance of contextualizing the audience and key stakeholders of the WG.

Relevance of participation of indigenous communities and impacted populations

Consideration of outreach tours to increase outreach

"Locks in" for more accurate and effective reviews

Having clarity on national regulations, carbon ownership and land tenure

Mapping of key actors, heterogeneous group with various specialists. Integrate sectoral leaders

Establish a focal point by the governmental entity to follow up. Permanent communication channel.

¡GRACIAS!



CLIMATE
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