

# The **Carbon Ecosystem**: a seamless, end-to-end solution for managing carbon emissions



**SiGREEN**  
by Siemens



# Agenda

Our speakers

Towards a climate-neutral economy

What is the Carbon Ecosystem?

A concept to be scaled

Q&A



SECRETARÍA DE  
**DESARROLLO  
SUSTENTABLE**



**QUERÉTARO**  
JUNTOS, ADELANTE.



**Grupo Ecológico  
Sierra Gorda**<sup>IAP</sup>



**SiGREEN**  
by Siemens



**ESTAINIUM**  
Network



# Our speakers



**Dr. Gunter Beitinger**

SiGreen Founder and 1st board  
member Estainium Association  
Siemens AG



**Martha Isabel Ruiz Corzo**

General Director and founder of  
Sierra Gorda Ecological Group



**Ricard Torres**

Undersecretary of the Environment  
for the Executive Power of the State  
Querétaro

# The **Carbon Ecosystem**

**Towards a climate-neutral  
economy...**

**What is  
the Carbon Ecosystem?**

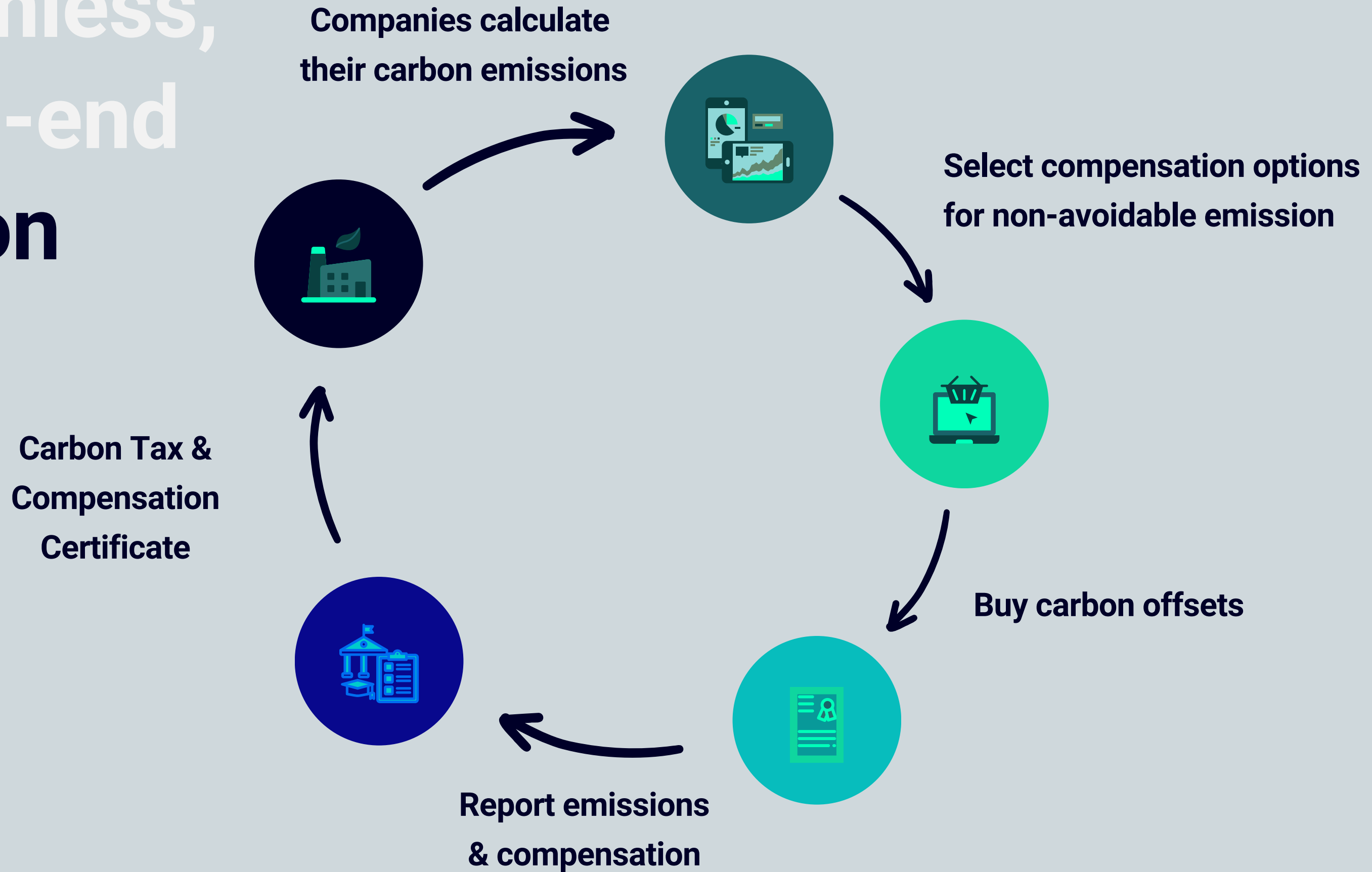
The first full integration of carbon tracking technology with local, nature-based offsetting initiatives presents a forward-thinking solution to the urgent climate challenges of our time.

A joint MVP nearing implementation in Querétaro, Mexico.



Dr. Gunter Beitinger, Siemens/Estainium

# A seamless, end-to-end solution



# For a **climate-** **neutral economy**

**A simplified  
process**

**Emissions  
monitoring**

**Decarbonization**

**Local  
economy**



# A local protocol for the planet & local communities

Regreening

Local  
communities

Transparency
















# The **Carbon Ecosystem**

A concept to be scaled

# The Carbon Ecosystem Stakeholders

Type	Organization	Role	Functions	Contact	
	<b>Government</b>	 SECRETARÍA DE DESARROLLO SUSTENTABLE    QUERÉTARO JUNTOS ADELANTE	Oversees and implements local environmental policies.	<ul style="list-style-type: none"> <li>Emissions Registry</li> <li>Compensation Registry</li> </ul>	Ricardo Torres, rtorresh@queretaro.gob.mx
	<b>Company</b>	<b>SIEMENS</b>	Focusing on electrification, automation, and digitalization.	<ul style="list-style-type: none"> <li>Software development SiGreen</li> </ul>	Gunter Beitinger, gunter.beitinger@siemens.com
	<b>Carbon Footprint Calculation</b>	<b>SiGREEN</b>	Carbon footprint assessments by using actual emissions data and enabling secure, transparent data sharing across supply chains, covering scope 1 to 3.	<ul style="list-style-type: none"> <li>Product carbon footprint calculation</li> <li>Supply chain emission tracking</li> </ul>	
	<b>Global movement for climate-positive supply chains</b>	 ESTAINIUM Network	ESTAINIUM is a international non-profit association dedicated to promoting sustainable supply chains.	<ul style="list-style-type: none"> <li>Market knowledge</li> <li>Science</li> </ul>	Verena Colonna, verena.colonna@estainium.eco
	<b>Offset Marketplace</b>	 Callirius	Marketplace for corporate carbon compensation	<ul style="list-style-type: none"> <li>Software solution</li> <li>Carbon offset marketplace</li> </ul>	Michael Grohmann, michael.grohmann@callirius.com
	<b>Carbon Project Developer &amp; Carbon Registry</b>	 <b>Grupo Ecológico Sierra Gorda</b> IAP	Development environmental carbon restoration projects with over 35 years of experience in Querétaro.	<ul style="list-style-type: none"> <li>Local Nature-based carbon project developer</li> <li>Operator of a local Nature-based carbon registry</li> </ul>	Laura Pérez-Arce, laura@sierragorda.net
	<b>System Architect Carbon Ecosystem</b>	 open forests	Design and development of software solutions for environmental data management	<ul style="list-style-type: none"> <li>Carbon Registry Development</li> <li>Compensation Registry Development</li> </ul>	Thilo Herbst: thilo.herbst@openforests.com, Alexander Watson, alexander.watson@openforests.com

# Next steps

## White Paper

Coming soon

## Sierra Gorda Field Trip

11th - 13th

August

Sierra Gorda Biosphere  
Reserve, Querétaro,  
Mexico

## Mexico Carbon Forum

14th - 15th August  
Poliforum León,  
Guanajuato, Mexico

## New York Climate Week

22th - 29th September  
New York City, USA

Official launch  
of the MVP

# The Carbon Ecosystem

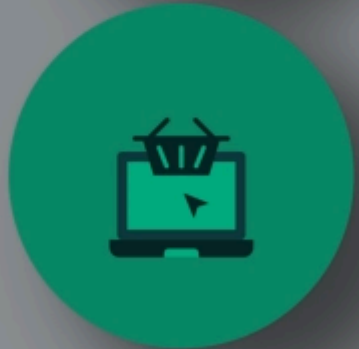
Q&A



**SIEMENS**



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**Callirius**



# The Carbon Ecosystem for a climate-neutral economy

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