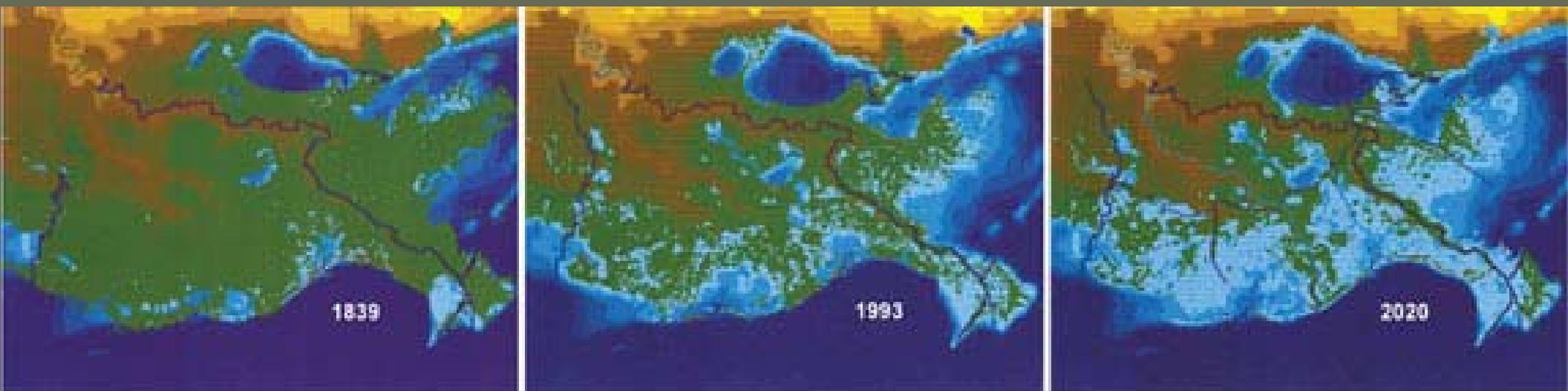


LOUISIANA WETLAND ACTION PROGRAM



Coastal Preservation and Restoration

What is Global Green?

An **environment non-profit organization** which strives to create a sustainable model for development and rebuilding.

Educating at least 10,000 visitors on sustainable home features.

HOLY CROSS



Saving each school around \$23,000 annually.

GREEN
SCHOOL
INITIATIVE



Informing over 22,000 residents on green building and energy efficiency

BUILD IT BACK
GREEN



Creating an energy efficiency industry to strengthen families' finances.

NOLA WISE



What is the LWAP?

Funded by:



Mission:

- 1) To **engage** and **empower** Louisiana wetland owners in coastal restoration.
- 2) Partner coastal landowners with emerging **carbon markets** as another tool for restoration.

LWAP Fact Sheets



Louisiana Wetland Action Program

Louisiana Wetland Action Program

Landowner Engagement Louisiana Wetland Action Program

Preservation & Restoration

Preservation & Restoration

Preservation & Restoration

OVERVIEW

Private property owners possess and control approximately 85 percent of Louisiana's coastal wetlands. But state and federal coastal conservation and restoration planning and projects rarely engage these landowners, and they seldom have access to the financial resources or scientific expertise to proactively implement small-scale wetland protection and restoration projects on their lands. Global Green USA understands this predicament and is committed to addressing this severe institutional impediment to aggressive coastal action.



LOUISIANA WETLAND ACTION PROGRAM

Global Green recently started its Louisiana Wetland Action Program (LWAP), an initiative to engage and empower wetland owners in coastal restoration and, as a result, encourage the growth of sustainable, resilient coastal communities. LWAP works closely with agencies sponsoring coastal conservation efforts to gather and draft information on the plethora of programs available to help private property owners preserve and restore their wetlands. LWAP provides landowners with easy access to detailed information on these programs and assists enrollment.

Through LWAP, GGUSA collaborates with both private property owners and agencies sponsoring conservation and restoration efforts; this enables GGUSA to facilitate adequate communication between both entities, which will help encourage early engagement with and incentives for wetland owners to support coastal preservation planning and implementation.

PRESERVATION ASSISTANCE

Many private property owners can participate in programs that will provide them with the financial and technical assistance they need to preserve their wetlands. Entities sponsoring these programs – including federal, state and local governments and environmental organizations – may pay up to 100 percent of the cost to restore a private property owner's wetland. With other programs, landowners enter a cost-sharing agreement where the restoration expense is divided between them and the sponsoring agency. Sometimes, sponsoring agencies will pay a landowner for a conservation easement enabling a private property owner to preserve their wetland as opposed to developing it.

The Global Green House
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Green Building Resource Center
841 Carondelet St.
New Orleans, LA 70130
504-525-2121
www.globalgreen.org
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Coastal Protection and Restoration Authority of Louisiana



Healthy Wetlands Bolster Resiliency



Wetlands buffer storm surge



Wetlands serve as a nursery ground for fisheries



Wetlands provide recreational opportunities

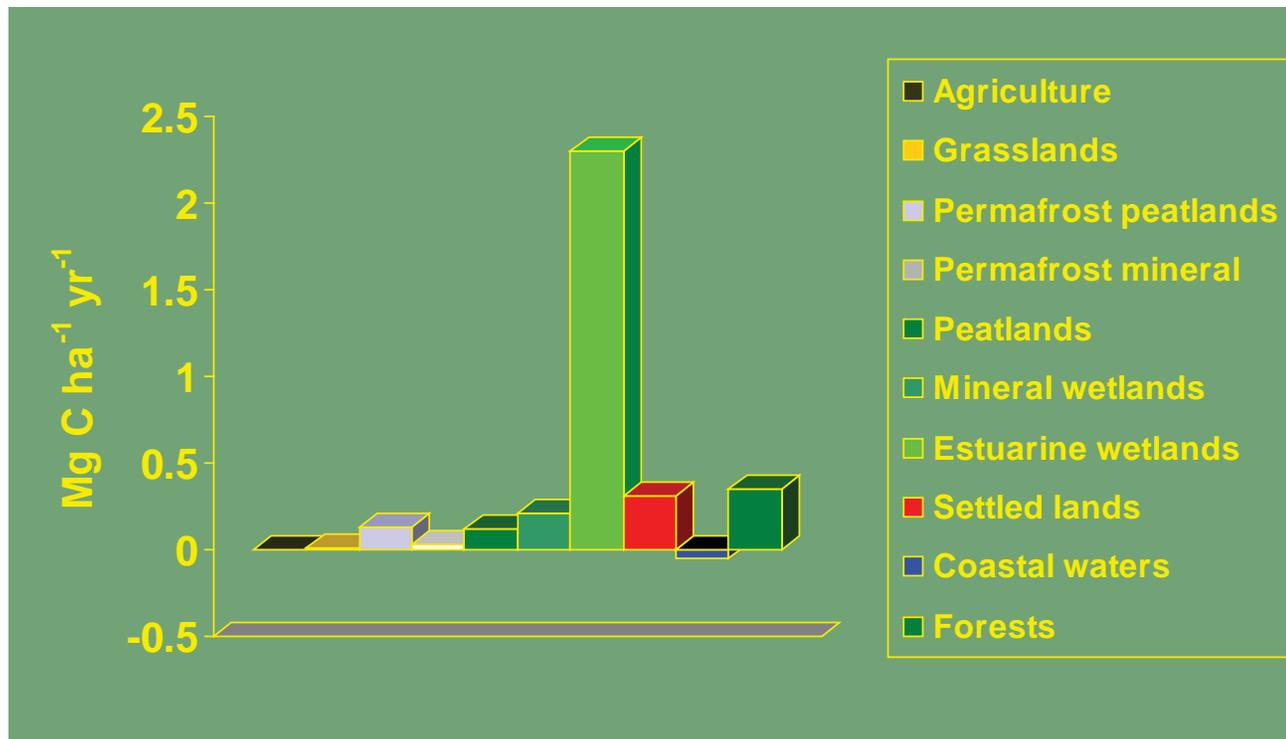


Wetlands improve local water quality

Healthy Wetlands Sequester Carbon

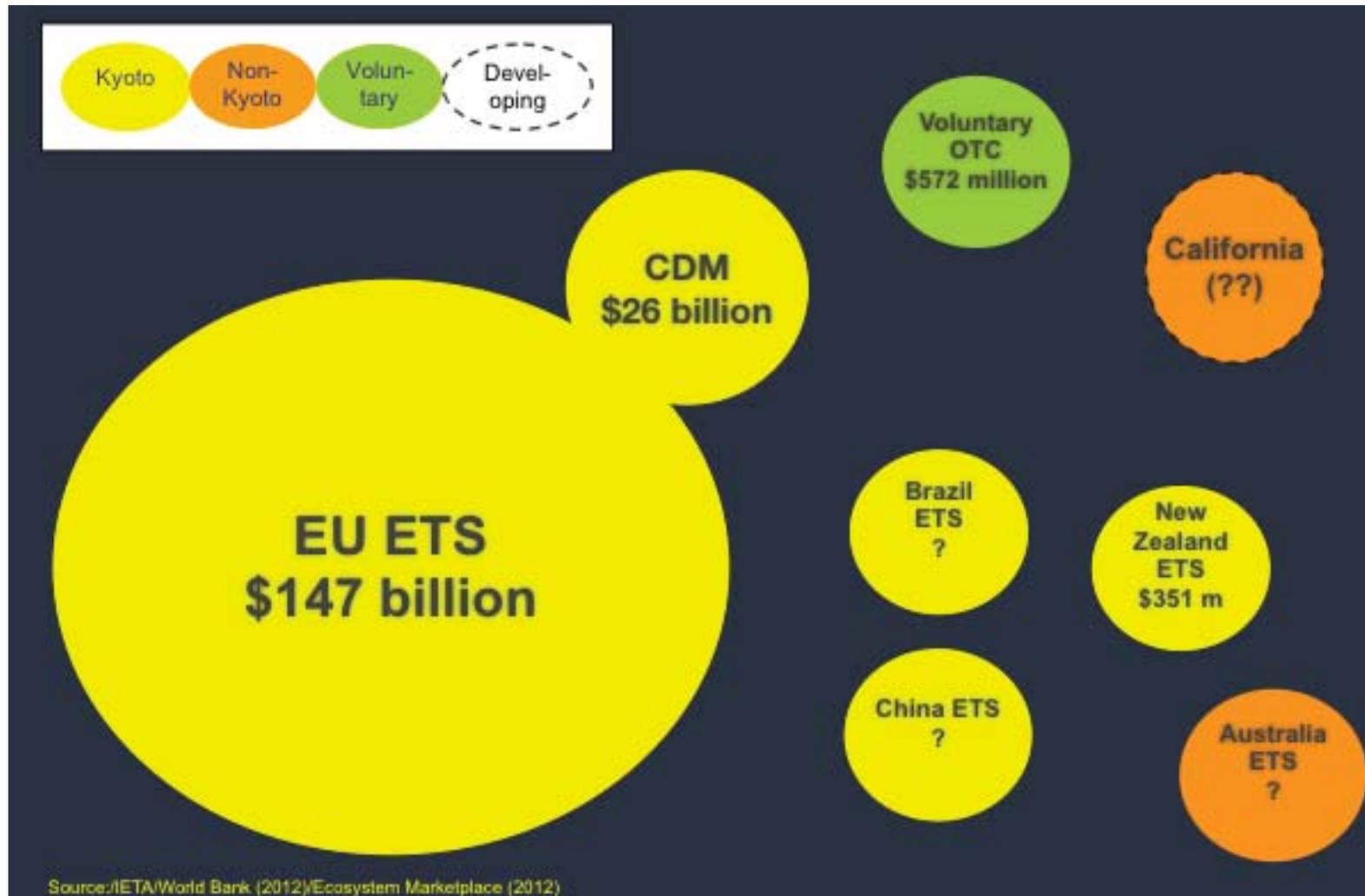


Wetlands capture and hold carbon dioxide



Wetlands capture 6x or more carbon than upland forests. This means more carbon offsets per acre than a forest carbon project.

Global Carbon Markets



Carbon Offsets: a Tool for Restoration



Carbon offsets are another tool in the coastal restoration “toolbox”.

How Carbon Markets Work:

A company chooses to or is required to offset its emissions.



Carbon offsets are obtained by restoring wetlands.



Offsets can be sold to these companies in the carbon market.



A company purchases the offsets and the seller is compensated.

Projects that Qualify:

TYPES of activities considered:

- Avoided Wetland Loss
- Wetland Restoration
- Wetland Management
- Wetland Creation



KBR



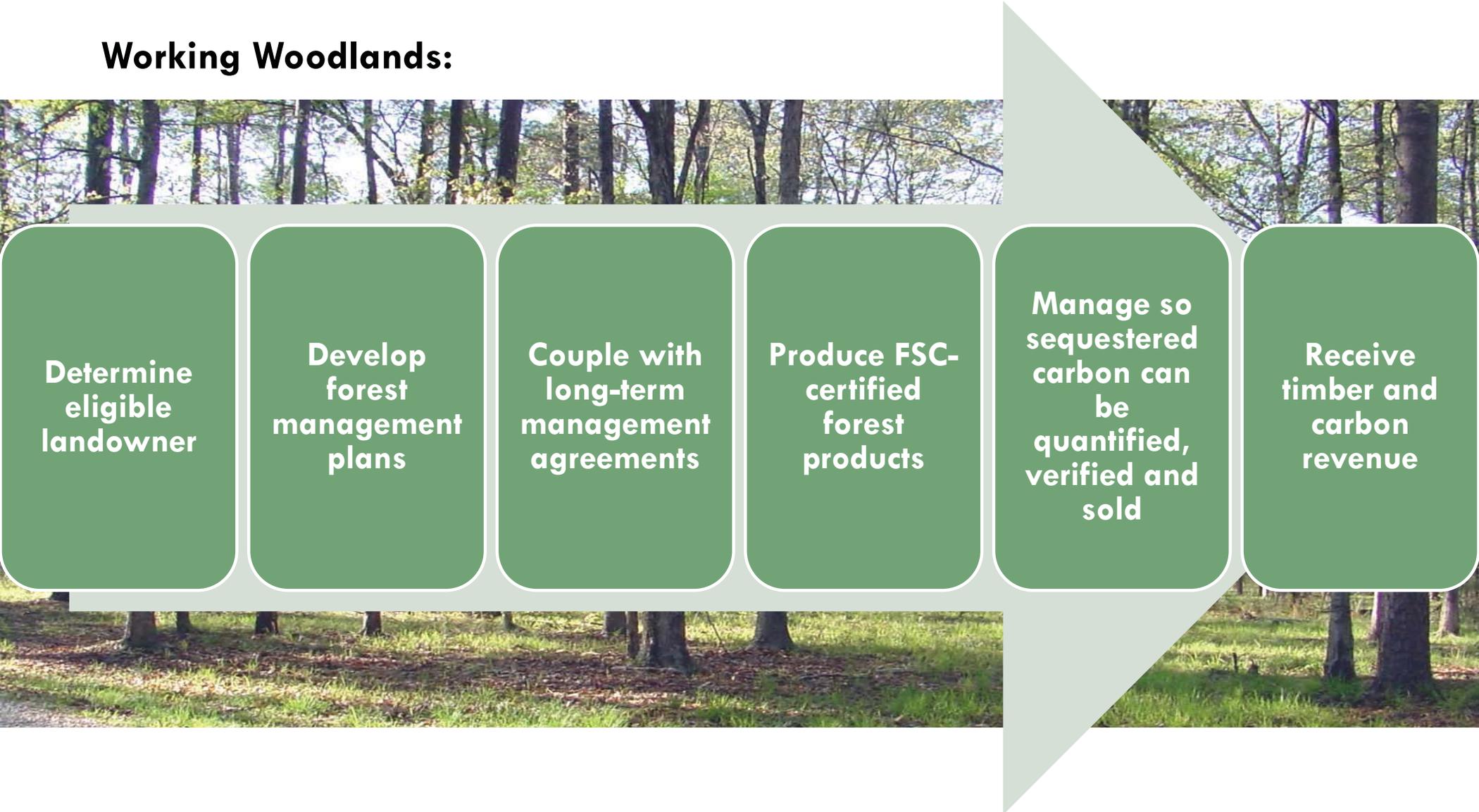
RESTORE
AMERICA'S
ESTUARIES



Entergy®

Carbon Offsets in Action in Louisiana

Working Woodlands:



**Determine
eligible
landowner**

**Develop
forest
management
plans**

**Couple with
long-term
management
agreements**

**Produce FSC-
certified
forest
products**

**Manage so
sequestered
carbon can
be
quantified,
verified and
sold**

**Receive
timber and
carbon
revenue**

Markets: Voluntary and Mandatory

Currently: Voluntary Carbon Market

- Offsets trade for a lower price
- Process is less straight forward; thus, a bit complicated

Markets	Volume (MtCO ₂ e)		Value (US\$ million)	
	2010	2011	2010	2011
Voluntary OTC-traded	128	93	422	572

January 2013: California Mandatory Market

- Offsets will demand a higher price
- Offsets will be verified and will require scientific experts to oversee carbon projects for an extended period of time.

California's Mandatory Market

Timeline of Compliance:

2012: Sources emitting above 25,000 metric tons of CO₂

*Top 600 Polluters **required** to reduce and offset emissions.*

Shell

Exxon Mobile

Chevron

Conoco Philips

BP

Valero

California Environmental Protection Agency
 **Air Resources Board**

2015: All other emitters (transportation fuels & commercial and residential natural gas consumption)

Beyond: California market is designed to link with other markets.

California's Mandatory Market

Offsets:

8% of a company's compliance obligation may be fulfilled through **carbon offsets**.

Limited to projects in the United States.

Current Projects Accepted:

- U.S. Forest and Urban Forest Project Resources
- Livestock Projects
- Ozone Depleting Substances Projects
- Urban Forest Projects



What's the Hold Up?



First Wetlands Methodology Released

Tierra Resources and American Carbon Registry released "*Restoration of Degraded Deltaic Wetlands of the Mississippi Delta*"



First Pilot Project in St Charles Parish

Tierra Resources is working on the first Pilot Project in Luling, Louisiana, using wetland assimilation.



Hold Up: Protocol needs to be accepted in California Market & more Pilot Projects need to be launched to prove success.

Next Steps: Sign Up

Global Green has hired a carbon expert to develop carbon offset projects.

EKO

Asset
Management
Partners

Wetland owners can sign up to learn more and work towards developing a carbon offset pilot project.

Next Steps

CARBON BROKER

- Analyze existing carbon markets
- Develop market access plan

PARTNERSHIP EFFORTS

- Collaborate with RAE & Tierra Resources
- Work with landowner groups – power in numbers

PILOT PROJECT

- Identify sites
- Recruit willing participants

How can I help?

Working with Global Green

- **Facilitate**
- **Educate**
- **Inform**
- **Participate**