



GEF IW REGIONAL ACHIEVEMENTS AND CHALLENGES



MEXICO
UNITED STATES OF AMERICA

Gulf of Mexico Large Marine Ecosystem

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St. Kitts, 24 May, 2012

Brief summary of project's objective, expected outcomes & timeframe



2009

2013



Time frame

Updating the Transboundary
Diagnostic Analysis

TDA

Development of Strategic
Action Programme

SAP

Negotiations for
extension of the
project

Implementation
of National
Action Plans

NAP

2009

2010

2011

2012

2013



- Implementation started June 2009
- UNIDO is the implementing agency
- PCU based in Mexico City
- National Focal Points
 - NOAA (US) &
 - SEMARNAT (Mexico)
- GEF funding
- Co-financing from Mexico & US



Natural, Economic, & Cultural Capital of the Gulf of Mexico

Ecosystems

Ecosystem Health and
Anthropogenic Impacts

- 989,746 km²
- 9th largest water body in the world

Sustainable use
of coastal
resources for a
productive
economy

Communities

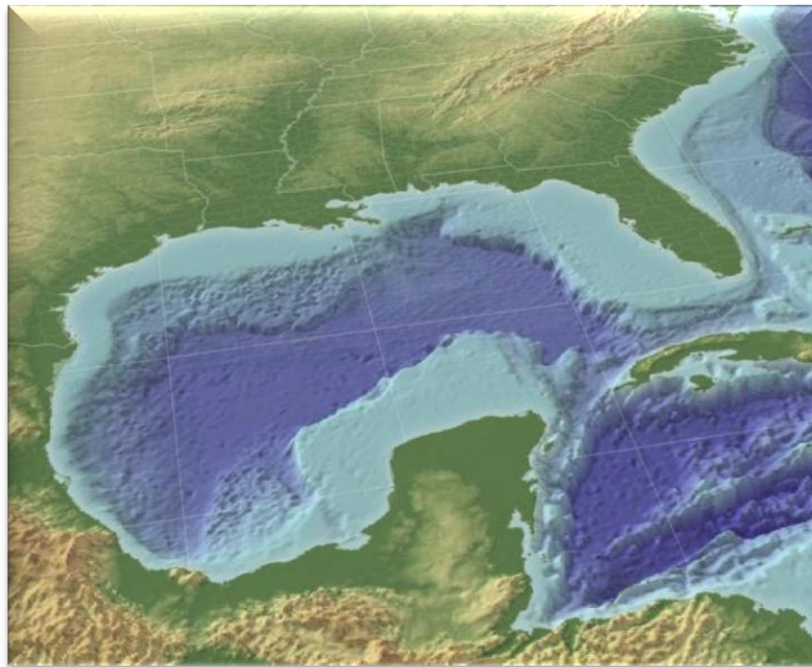
People's wellbeing and
livelihoods: degradation of
coastal ecosystems
determine the quality of life
and security

Towards a
secured and
resilient human
populations in
marine and
coastal
ecosystems

Gulf's Health Condition

Economy

Changes in the economy of coastal
areas may affect the economy at the
local, regional and national level.



Objective

To enhance national regional efforts to move towards sustainable integrated management of the environment and resources of the Gulf.

To set the bases for application of the ecosystem -based management (EBM) approach in the management of the GoM-LME.

- 1) Rehabilitate marine and coastal ecosystems,
- 2) Recover depleted fish stocks, and
- 3) Reduce pollution and nutrient overloading

Key results / innovations



- **Areas of process, stress reduction & environmental status**



➤ **Strengthening of a mechanism for regional co-operation.**

➤ **Scientific-based review of the existing knowledge of the status and threats to the GoM-LME through the Transboundary Diagnostic Analysis (TDA)**



➤ **Development of a Strategic Action Program (SAP)**

Demand for energy

Demand for consumer goods

Demand for food

Demand for living space

Fossil fuel use

Production of consumer goods

Consumer goods transportation

Food production from the land

Food production from the Ocean

Development in watershed

Coastal development

Air pollution

Oil pollution

Solid waste and Floating Marine Debris, especially plastics (MSW)

Industrial Pollution

Excessive water use

Agriculture run-off

Other watershed issues (deforestation, sediment trapping)

Urban sewage pollution

Physical destruction of habitat

Climate change

Ocean acidification

Acute, event-related effects (oil spills)

Effects from Chemical toxicity (hydrocarbons, pesticides, metals, emergent pollutants (extraction and other source))

Low quantity and timing of fresh water inflows (as distinct from polluted inflows)

Nutrient Overenrichment

Eutrophication

Hypoxic Zones

HABs

Invasive species

Habitat damage from fishing gear

Overfishing

Illegal Unreport

Unregulated fisheries

By-catch

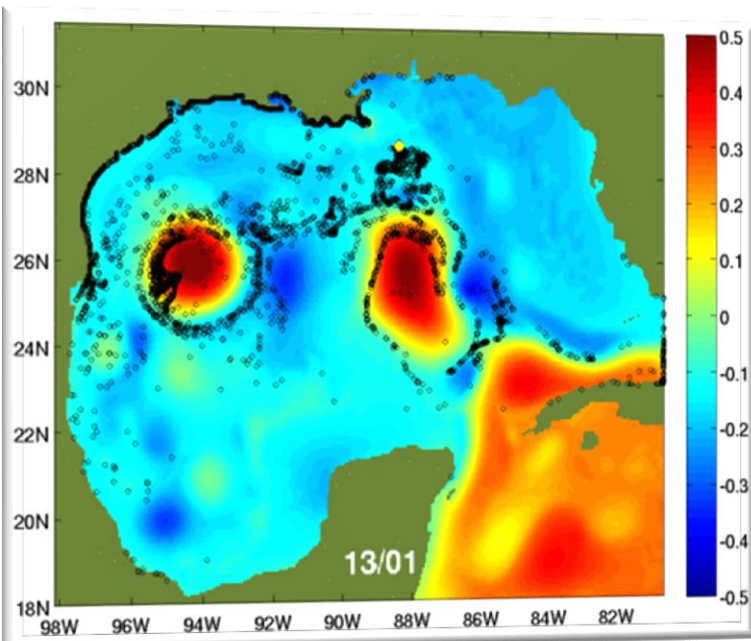
Primary production habitat destruction from coastal development

Habitat loss /Reduction

Loss/reduction of commercial and non-commercial species

Damage to ecosystem structure and function (Resilience)

Loss of ecosystem services



SUMMIT2011

STATE OF THE GULF OF MEXICO

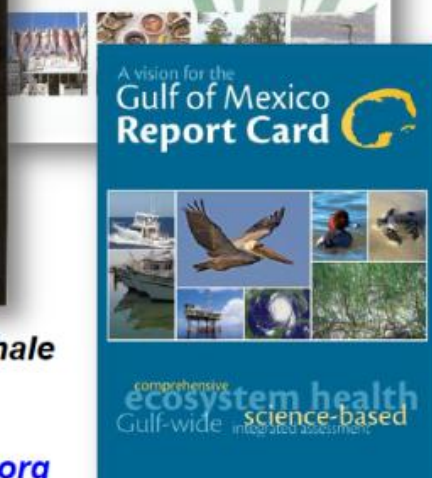
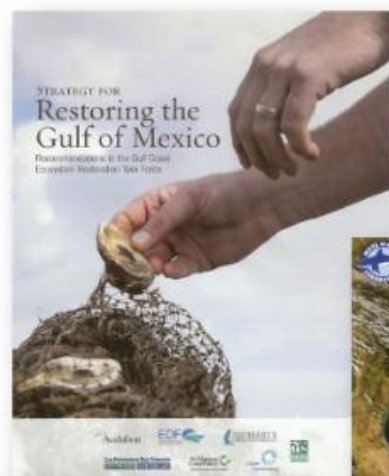
HOUSTON TEXAS

DEC 4 – 8 2011

The Summit is a process, not an endpoint.



The Summit is built on a series of meetings and workshops that were held around the Gulf over the last year...



Available on your Whale Shark Fish Stick and

<http://stateofthegulf.org>





SUMMIT2011

STATE OF THE GULF OF MEXICO
HOUSTON TEXAS
DEC 4 - 8 2011



Conservation NGO's



United by
Geography



GULF OF MEXICO LME



University of Maryland
CENTER FOR ENVIRONMENTAL SCIENCE



Academia

State and Federal Resource Management Agencies



Harwell Gentile
& Associates, LLC



PORT CORPUS CHRISTI

Gulf Business and Industry Leaders

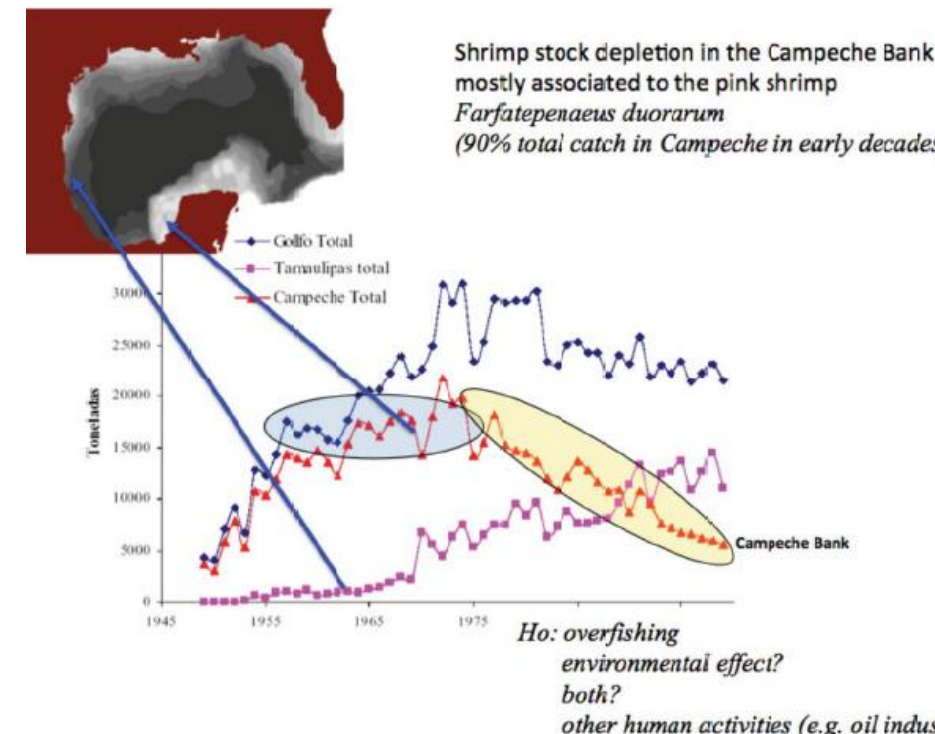
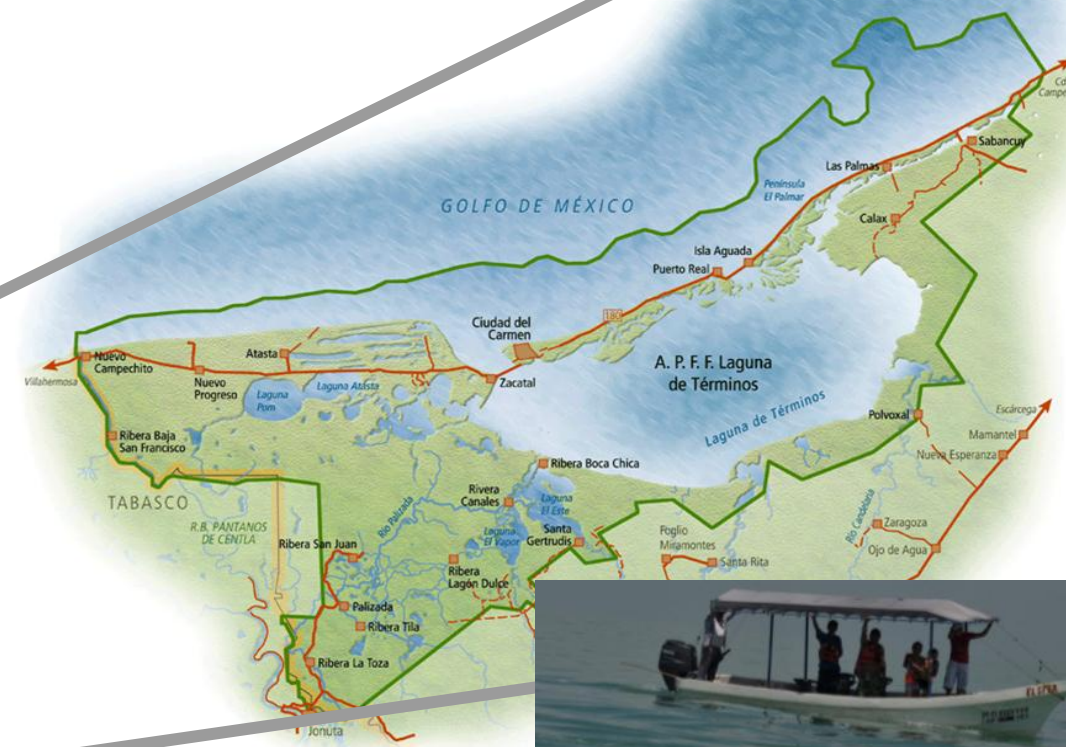


Gulf Summit & NOAA-SEMARNAT Bilateral meeting (Houston TX, Dec. 2011)



- ❑ Develop a common Oceans Agenda
- ❑ Interested in MoU
- ❑ Enhance partnership
- ❑ Present Gulf LME TDA
- Start crafting SAP and defining endorsement mechanism

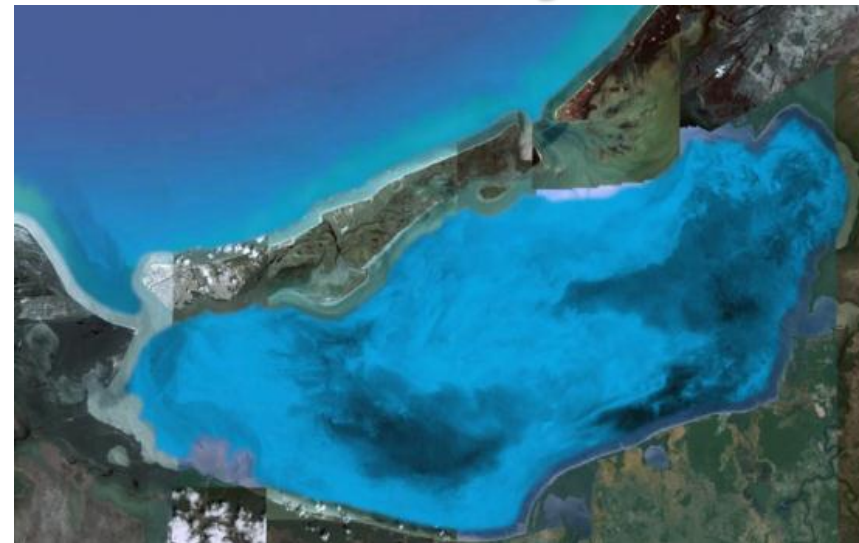
Pilot projects site Terminos Lagoon, Campeche Marine Protected Area (716,000 hectares)



Joint assessment and monitoring of coastal conditions in the GoM

Pilot Projects

Recovery of fish stocks through the ecosystem approach



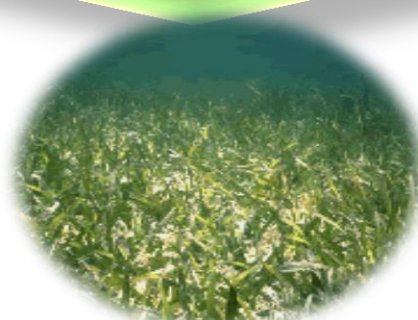
Terminos Lagoon, Campeche , Mexico



Conservation of natural habitats in the coastal and marine zones of the GoM
LME



Mangroves



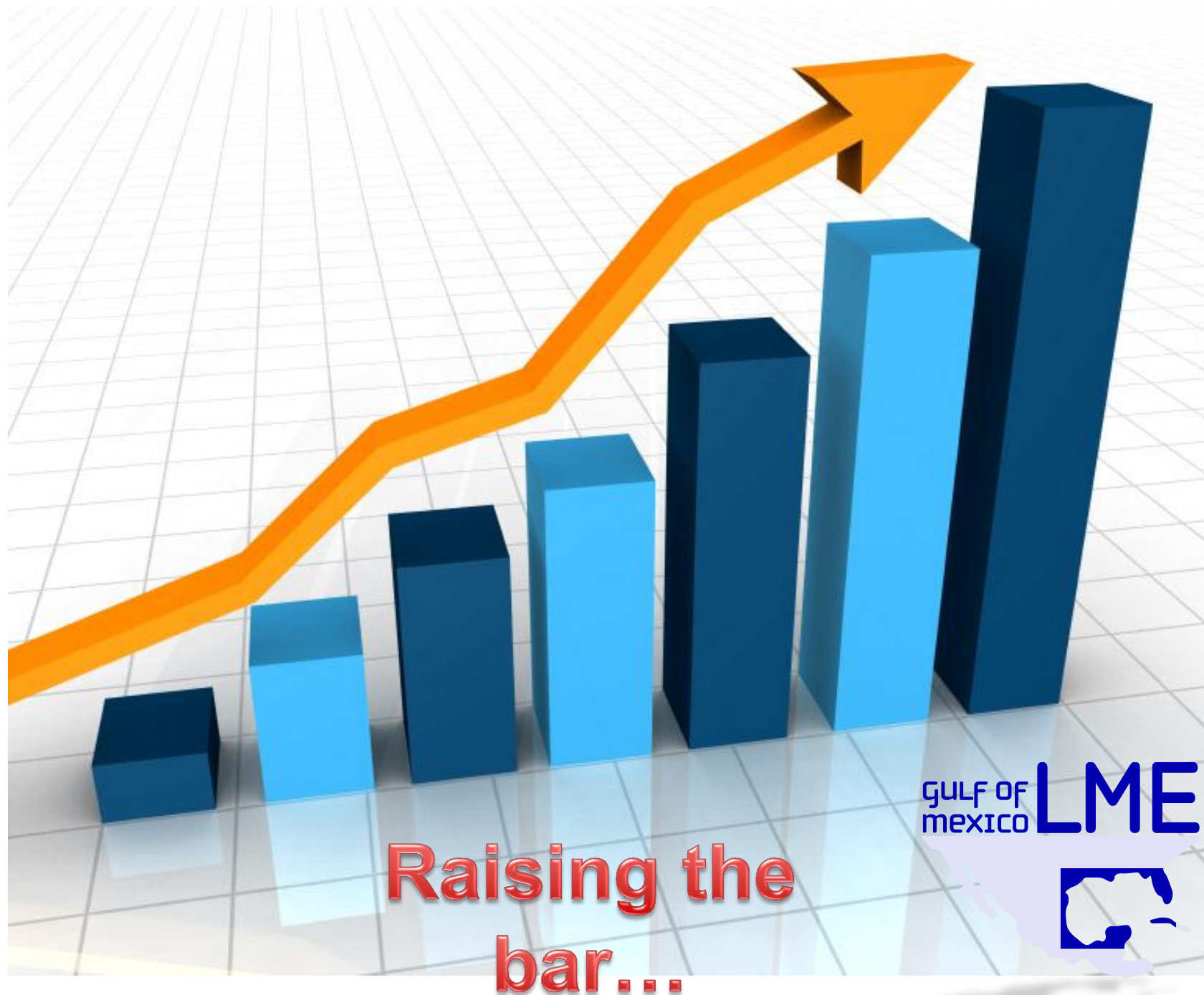
Sea grass beds



Coastal dunes



Expected outcomes



- ✓ Strategic Action Program fully endorsed through an MoU between Mexico & US in 2012
- ✓ Advanced preparation of the National Action Programs to implement SAP
- ✓ Initiate arrangements for SAP implementation and GEF funding
- ✓ Enhanced public participation at all levels (Federal, State, Municipal, Academia, Civil Society)
- ✓ Demo Projects successful and ready to replicate to enhance knowledge and capacity in other Gulf areas
- ✓ Continue addressing regional concerns on marine living resources and biodiversity, coastal ecosystems and pollution

Major challenges and constraints



Major Challenges and Constraints



Linking Federation-States-Municipalities



Coordination of regional efforts



Efective regional collaboration



Exchange of experiences (lessons learned)



Definition of a long-term ocean research priorities agenda



Foster a permanent proactive bi-national dialogue



Regional thematic linkage

Major Challenges and Constraints



Development of more and better ocean observing and monitoring platforms



Improve funding policies to strengthen the oceanographic capacities



Improve the enforcement of current legal framework



Sustain ongoing institutional coordination



Strengthen the links with local communities that use the Gulf's marine resources

Needs for collaboration



Possible new synergies with other regional GEF IW projects:

Training

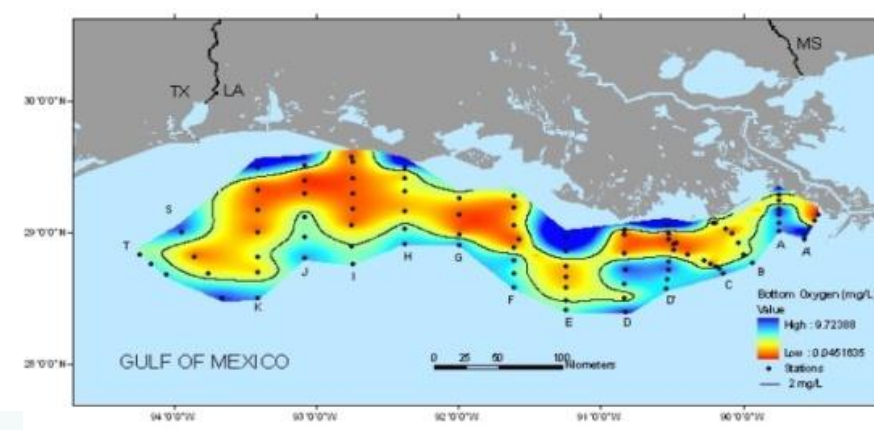
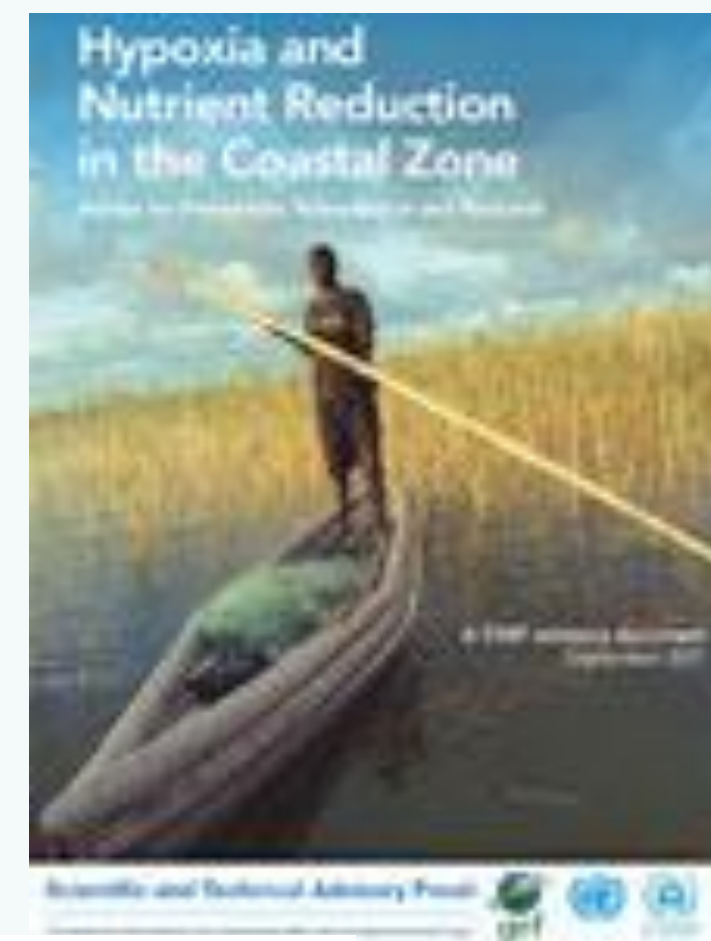
- Ecosystems Restoration
- Climate Change
- Workshop for the creation of an international Marine Protected Areas Network

Engagement with and among local state governments

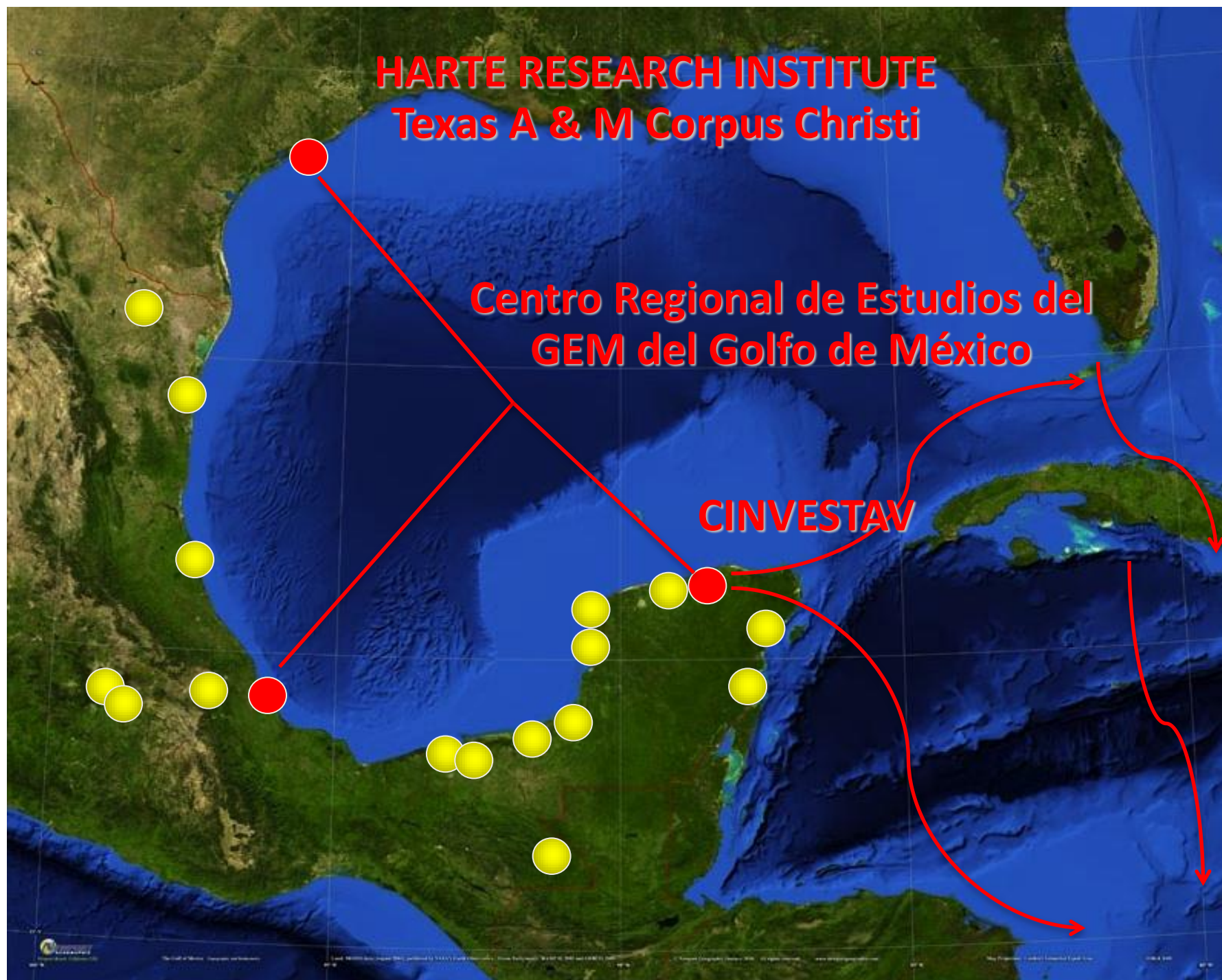
Ecosystem stress reduction, HYPOXIA

- ◆ Current preparation of PIF to address Hypoxia in Southern Gulf of Mexico & further request to GEF International Waters to fund this initiative

Grijalva-Usumacinta River Basin



Regional Strategic Alliance



Tech. Institute (Tamaulipas)
UAT (Tamaulipas)
UANL (Nuevo Leon)
UV (Veracruz)
ITMar (Veracruz)
INECOL (Veracruz)
UNAM (Campeche, Q Roo)
UAMI (DF)
UJAT (Tabasco)
UAC (Campeche)
UNACAR (Campeche)
EPOMEX (Campeche)
UADY (Yucatan)
CINVESTAV (Yucatan)
ECOSUR (Qroo, Chiapas, Tabasco)
CICY (Yucatan, Q. Roo)
UQRO (Q. Roo)

➤ **3d Binational Environmental
Education and Public
Participation Workshop**

13-15 June

Veracruz, Mexico

➤ **Exchange of
Ecotourism Experiences
Workshop**

5-10 July

Sabacuy-Chiapas

➤ **Marine Protected Areas
Workshop**

17-19 July

Veracruz, Mexico

UPCOMING EVENTS

2012

➤ **Binational Workshop 2012:
Coastal Community Resilience
in the Gulf of Mexico**

15-17 August

Villahermosa, Tabasco

➤ **III National Forum on
Environmental Education for
Sustainability**

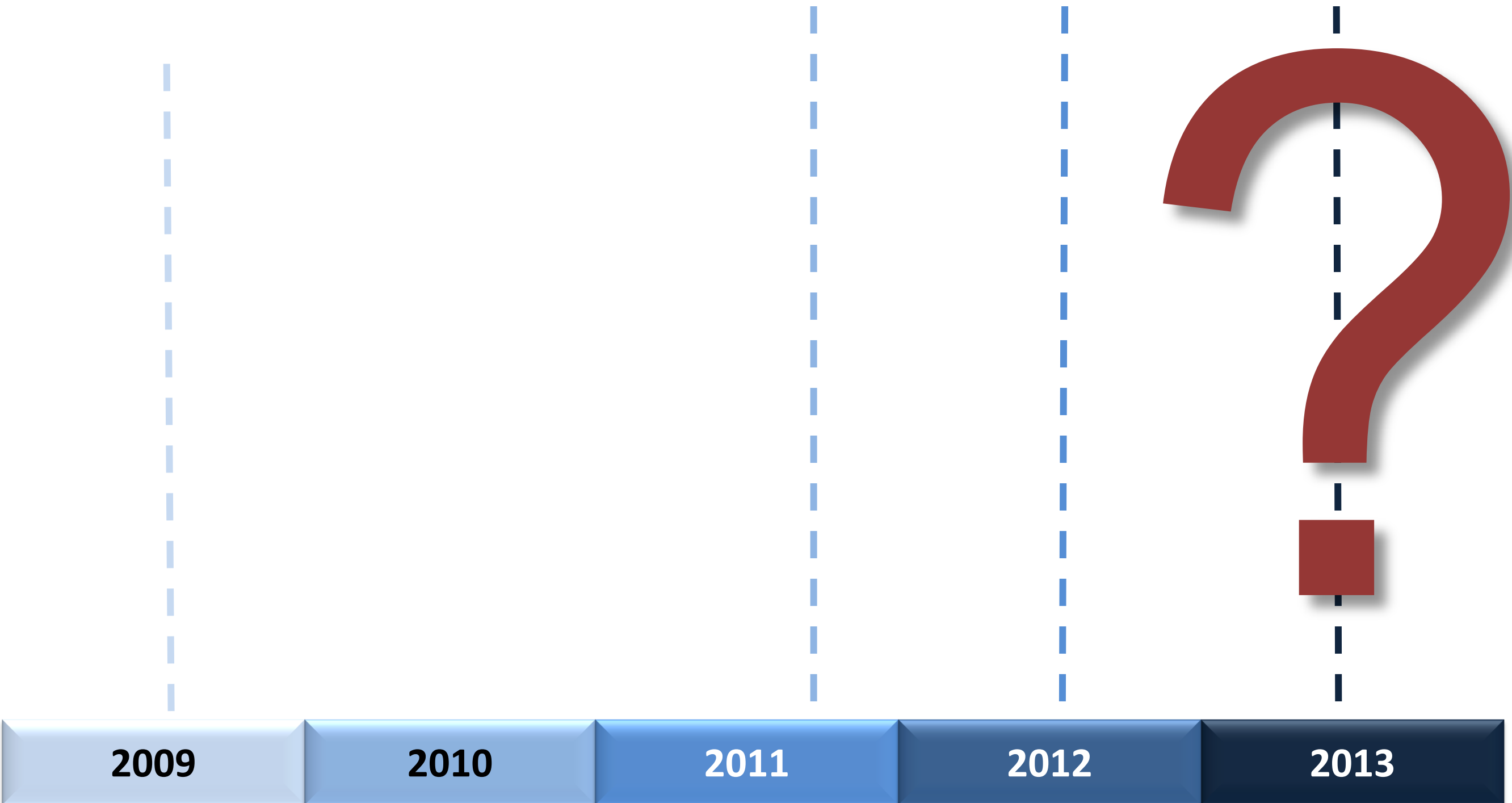
22-24 October 2012

Boca del Río, Veracruz

➤ **2nd Mexican Mangrove
Ecosystems Conference**

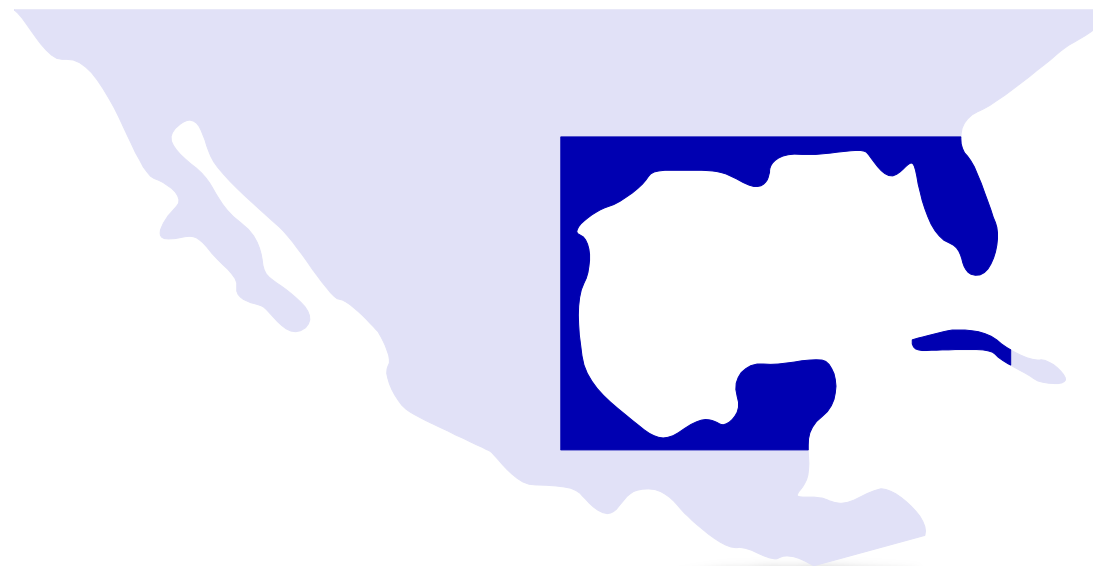
22-26 October 2012

Cd. del Carmen, Campeche



Questions?

GULF OF
MEXICO LME



Thank you!

www.gulfofmexicoproject.org