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INSTITUTO NACIONAL  
DE ECOLOGÍA Y  
CAMBIO CLIMÁTICO

# Community Resilience: An Example from Mexico

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Dra. Amparo Martínez Arroyo  
General Director of the National Institute of  
Ecology and Climate Change (INECC)



**GOBIERNO DE  
MÉXICO**

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# Adapting to Climate Change Impacts on the Coastal Wetlands, Gulf of Mexico

GEF grant (SCCF) through the World Bank

GEF Project implemented by INECC and other government agencies

Duration from 2011 to 2016



3 sites in the States of Quintana Roo, Tabasco and Veracruz selected for their high vulnerability to climate change.

5,733 direct beneficiaries and 707,648 indirect beneficiaries

## Objective

Implement climate change adaptation measures to reduce the vulnerability of communities located in the coastal wetlands in the Gulf of Mexico.



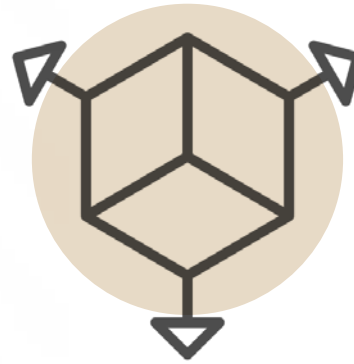
## Approach

Ecosystem-based Adaptation (EbA), with social and gender considerations



# Adaptation to Climate Change Impacts on the Coastal Wetlands in the Gulf of Mexico

Empower women, create actors of change within the communities, and establish participatory processes



Increase climate resilience

Implementing ecotechnologies:

- Green building (stilt houses built with local materials and equipped with solar panels)
- **Rainwater harvesting system in a primary school (for human use and consumption)**
- School gardens to educate children



Conduct capacity-building and disaster preparedness activities and disseminate climate change information



EbA measures like mangrove reforestation, coral reef repopulation, and restoration of water fluxes

## Rainwater harvesting system in a primary school (for human use and consumption)



**Rainwater harvesting capture system and potabilization plant** constructed and operating in Las Coloradas, Cárdenas, Tabasco.

**Training activities** for water purification, water jug packaging and sales.

**Distribution of fresh water** at school and in nearby communities (through a community business operated by 5 trained women).

**30 water jugs** (20 liters each) produced per day.

**Total cost** of the measure US\$91,387.

**765 direct beneficiaries and indirect benefits** in the reduction of gastrointestinal diseases among children).





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**Thank you!**

**Dra. Amparo Martínez Arroyo**

**[direccion.general@inecc.gob.mx](mailto:direccion.general@inecc.gob.mx)**



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