

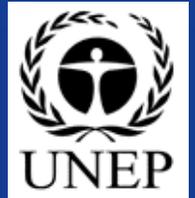
# Development of a National Program of Action for Panama under the UNEP Global Programme of Action for the Protection of the Marine Environment from Land-based Activities



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**CATHALAC**



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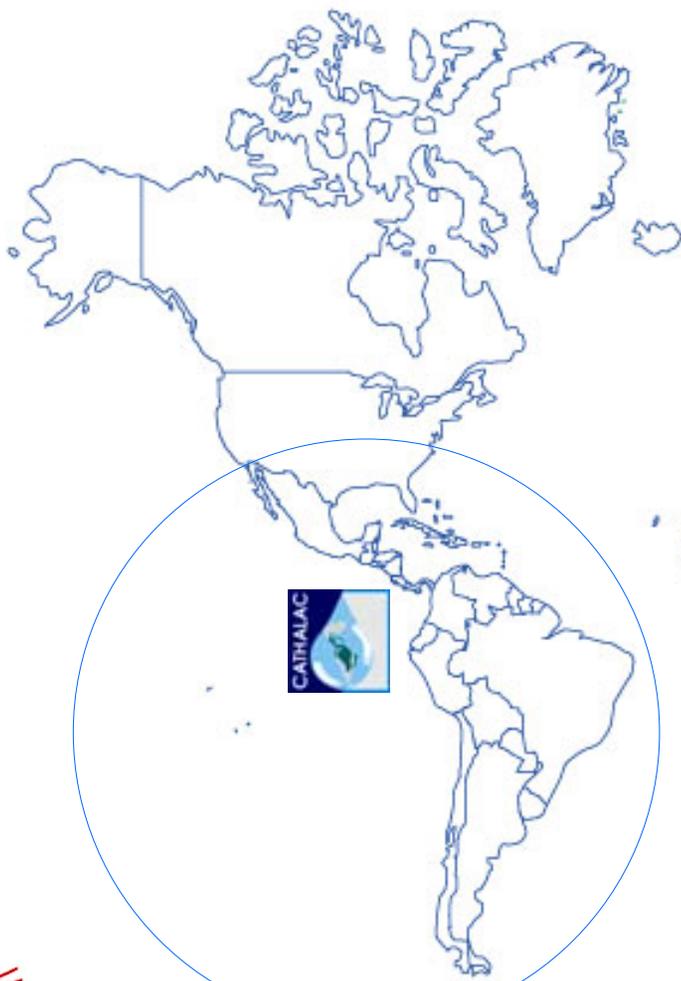


# Outline

1. Background on CATHALAC
2. Rationale for GPA Implementation
3. National Framework for Implementation
4. Coordination w/ NOAA/GPA Office



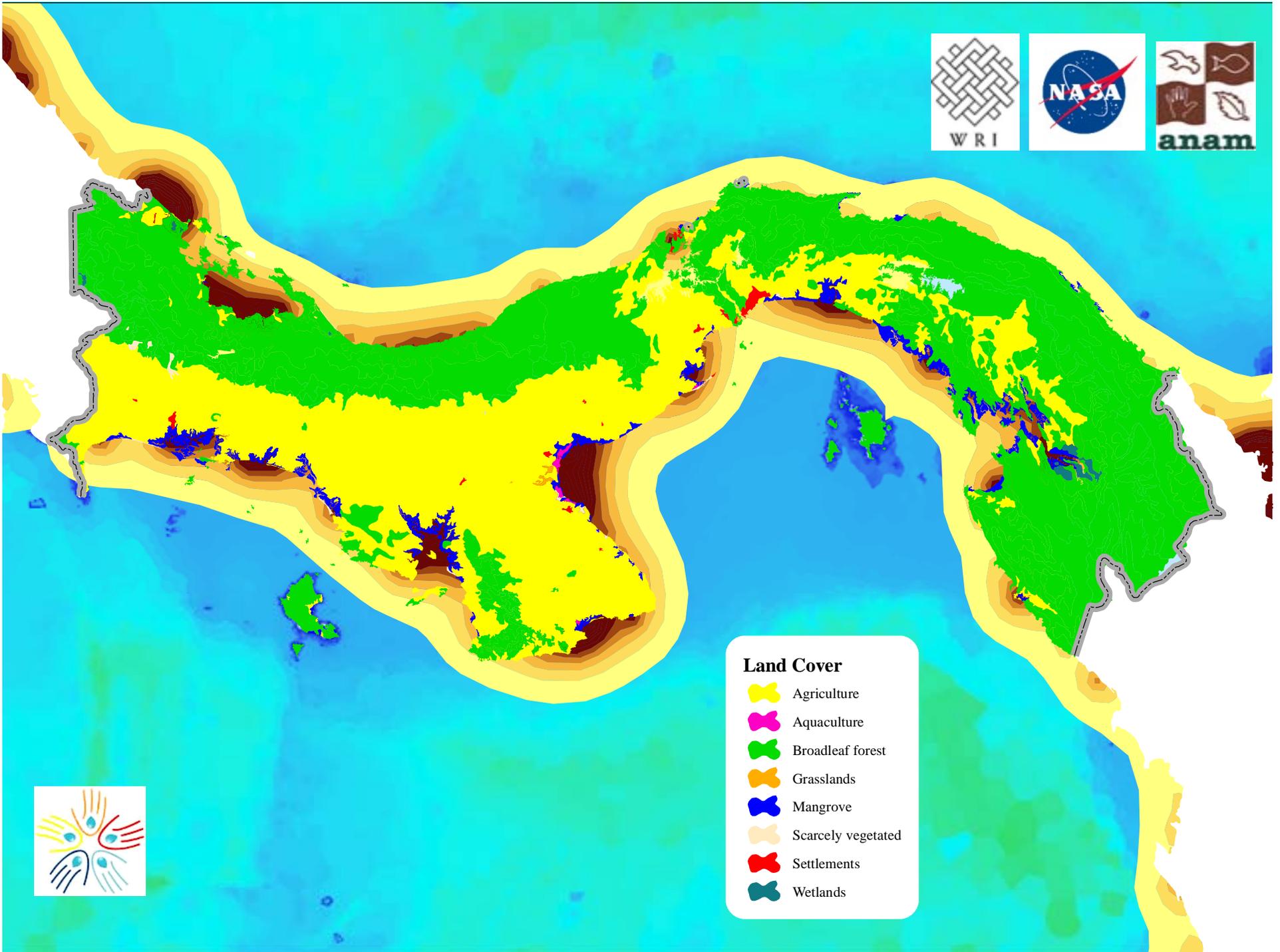
# Regional & International Centers under the UNESCO-IHP



**IHE** **IRTCUD**  
**IETCUD** **IRTCS**  
**RCTWSA** **HTHCSA**

**CATHALAC** is a regional center of excellence dedicated to the promotion of sustainable human development through integrated management of water & environmental resources.





# Framework for Implementation

Implemented by Panama's National Committee for the International Hydrologic Programme (CONAPHI), which is advised by CATHALAC and composed of:

- National Environmental Authority (ANAM)
- Panama Maritime Authority (AMP)
- University of Panama
- University of Technology of Panama
- Ministry of Agricultural Development (MIDA)



# Framework for Implementation



Two phase approach:

## 1. National Reviews and National Consultative Meetings

- Assessment of the adequacy of relevant policies and action plans (both existing and planned) by the government, regional organizations, IFIs and other stakeholders to address land-based sources of marine pollution
- Two national conferences (Panama City / Colon) with representatives of the environment, agriculture, tourism and other relevant ministries, provincial and municipal authorities, NGOs and private sector



# Framework for Implementation



## 2. National Programme of Action Development

- Identification / assessment of problems and areas of concern affected or vulnerable to effects of anthropogenic activities
- Priority-setting
- Defining management objectives for priority problems
- Identification, evaluation and selection of strategies and measures, including long-term management approaches



# Coordination w/ NOAA/GPA Office

- National mandate
- Technical expertise
- Implementation expertise / other support





**THANK YOU**  
**MUCHAS GRACIAS**

