

2nd Thematic Workshop

on Water-Related Disaster and Its Management in Asian Countries

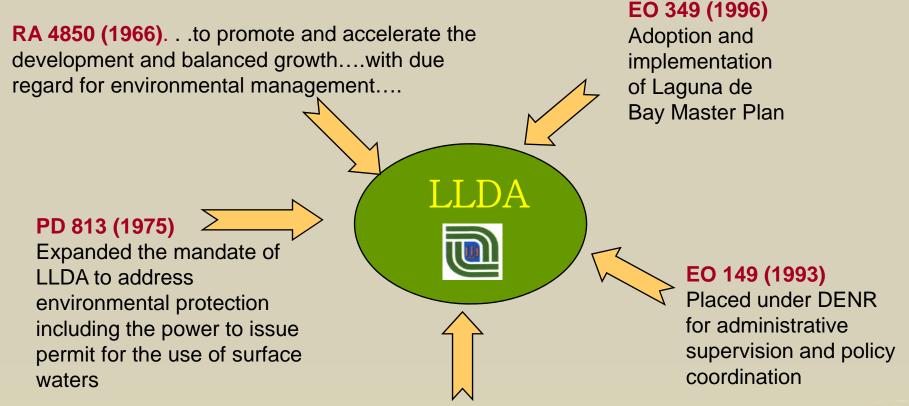
Alicia E. Bongco

Laguna Lake Development Authority

Philippines

8 October 2008

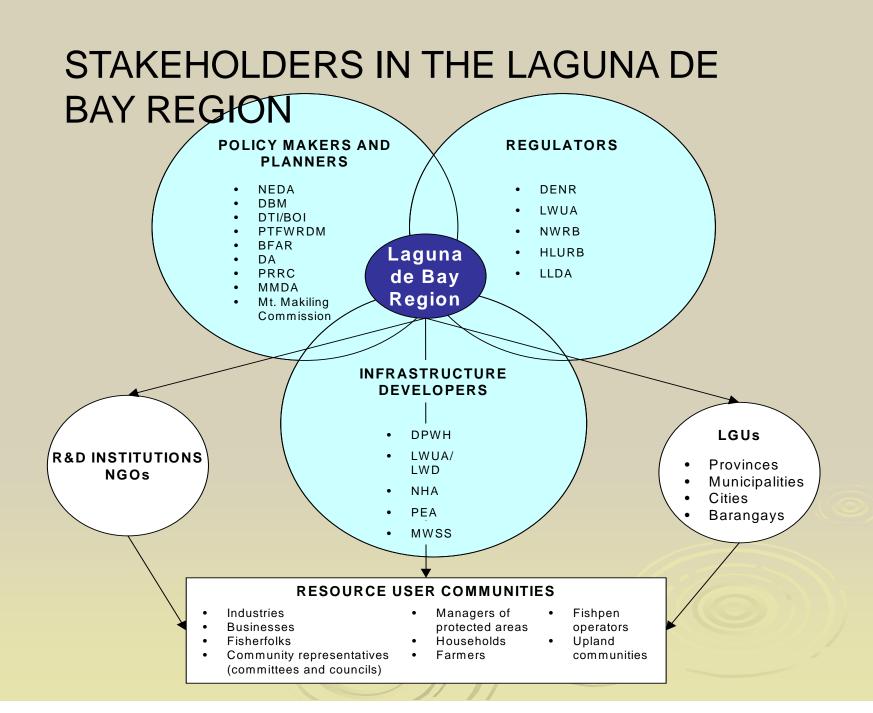
LLDA Mandate



EO 927 (1983)

Classified LLDA as Class A Corporation

- Authorized to modify its organization
- Granted water rights over Laguna de Bay and other water bodies within the region
- Granted power to control and abate pollution within the region
- Authorized to collect fees for the use of lake water



Issues and Concerns

- Garbage dumpings
- > Flooding
- Shoreland reclamations/encroachment
- Forest denudation
- Quarrying
- Water pollution
 - Decline in fish harvest/Fish kills
 - Unsuitability of water for irrigation
 - Hazard of water for recreation
 - More costly water treatment
- > Air pollution
- Rapid siltation
- Loss of biodiversity

Issues and concerns

Institutional

- Policies
 - Positive = there is a series of separately formulated and separately implemented policies, mandates, and programs each striving to meet the relatively narrow and stand-alone goals
 - Negative = no coherent and integrated environmental or development governance system,.
 - Result = fragmentation of the plans and created barriers to the effective management of the Lake and its watershed
- Conflicts as to the use of resource
 - Irrigation vs fisheries / aquaculture (Napindan Hydraulic Structure)
 - Fisheries vs water supply
 - Shoreland areas vs wetland

Issues and concerns

Institutional

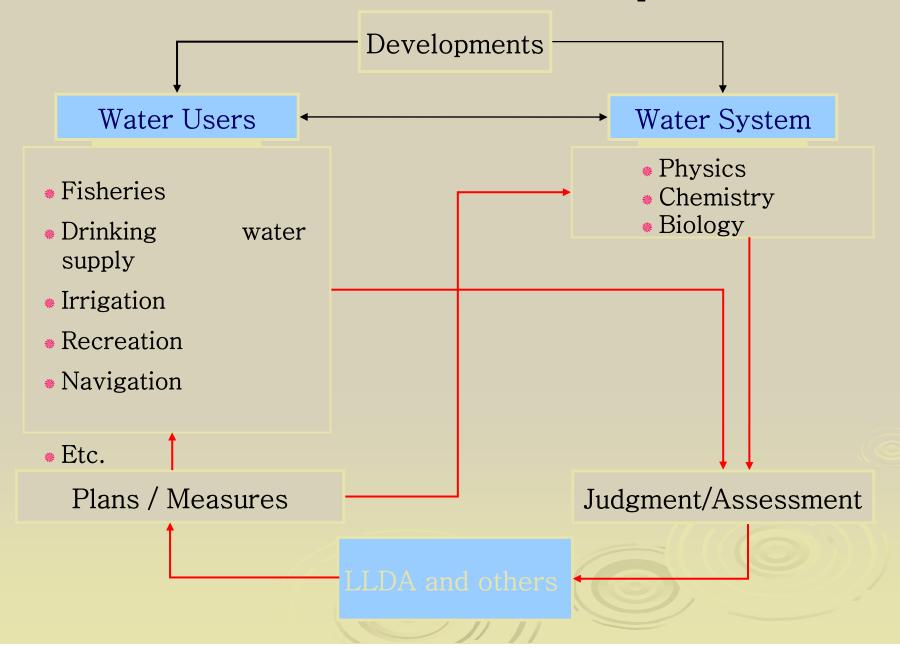
- Conflicts among institutions
 - fragmented and often conflicting policies in environmental and natural resources management of the Lake and its watershed;
 - Limited capacities in environmental management particularly at LGUs
 - weak political will in central and regional environmental agencies (to expeditiously address the conflicting institutional arrangements in the region
 - inadequate effort to strengthen the governance and the capabilities of LGUs to assume a greater responsibility in fulfilling their mandates
 - narrow opportunities for community and private sector participation in the management and sustainable use of the natural resources in the region

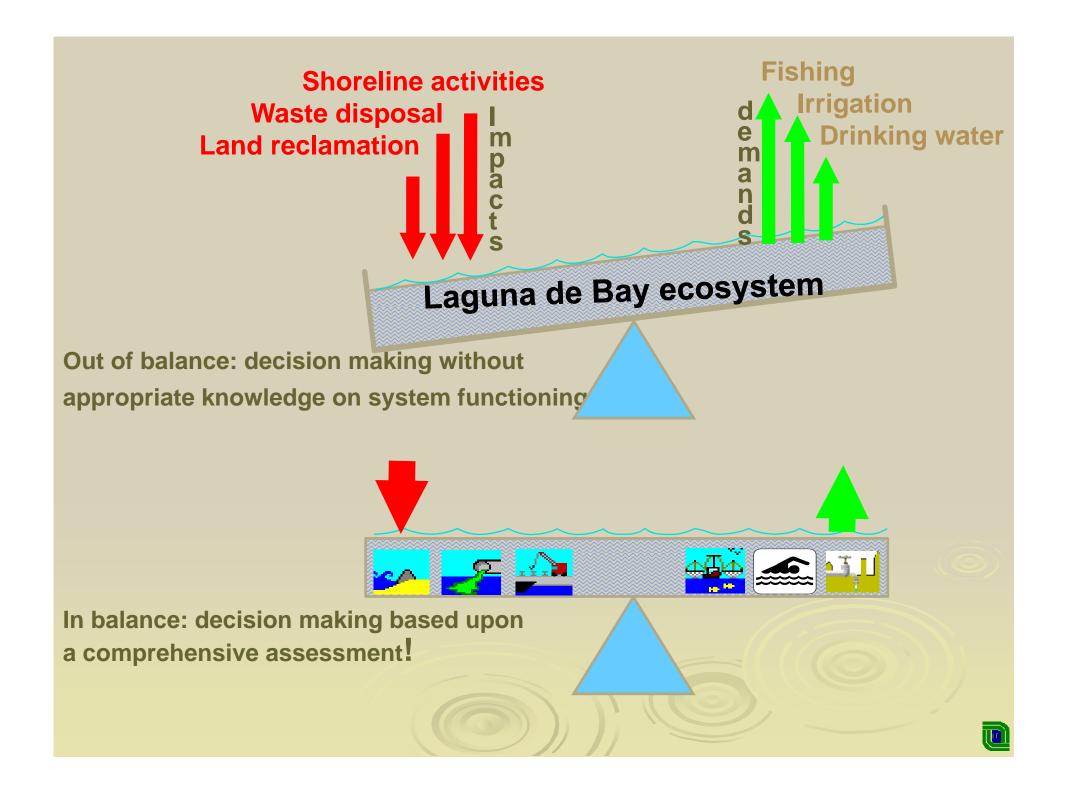
Issues and concerns

> Note:

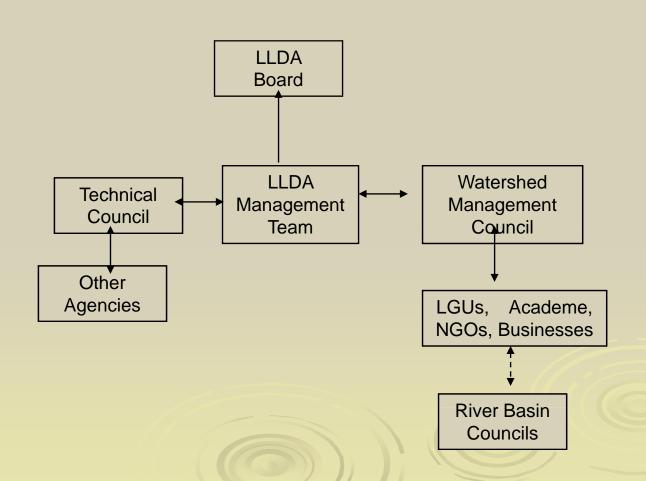
Balancing the treated waste recipient role of the Lake with increasing demand for drinking water supply, fisheries, and irrigation water poses the greatest challenge to the LLDA and all the agencies involved and the citizens of the Laguna de Bay region.

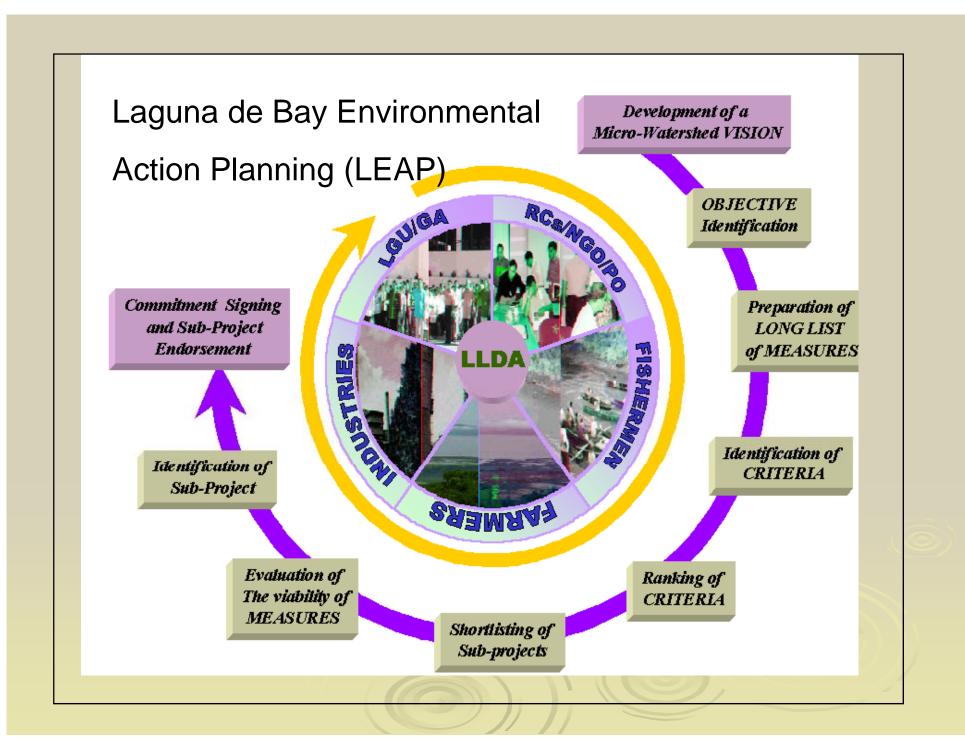
LLDA and the IWRM process





INTEGRATED WATER RESOURCES MANAGEMENT AND DEVELOPMENT MODEL (as approved per Board Resolution No. 157; January 25,2001)





Strategic social marketing

Informing and enhancing, LEAP Manual, strategy/activities and project implementation **LEAP Manual**

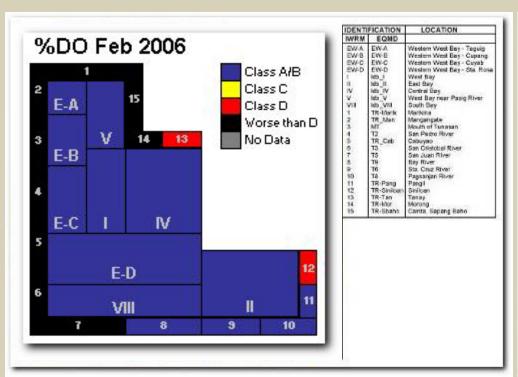
Strategy/Activity

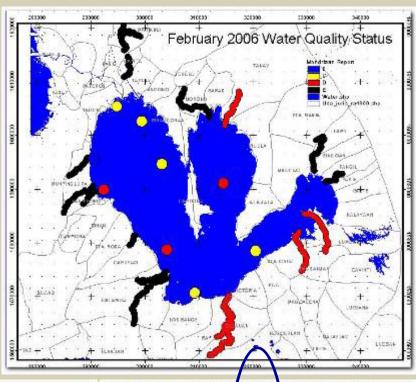
Implementation of program/project

Operational social marketing

Applied as a planned specific process as a social marketing program or social marketing campaign

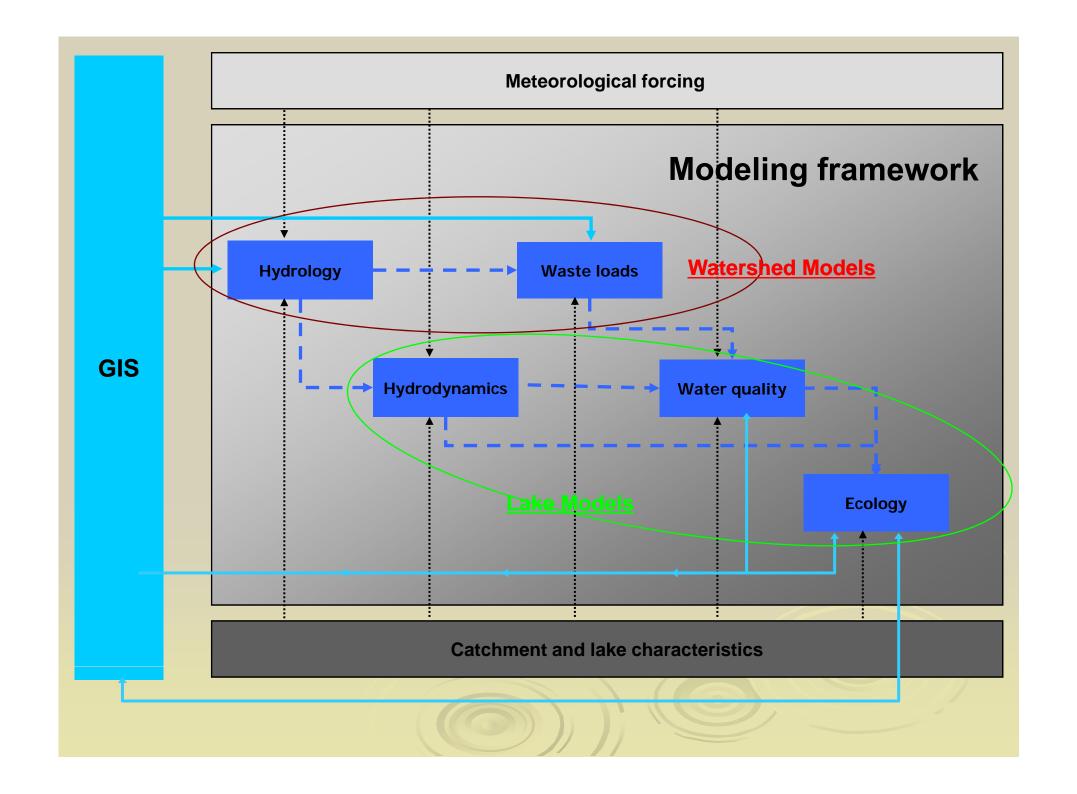
River and Lake Status





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DRM Action Plan



Efficient Service and Partnership with Stakeholders