



# **PHILIPPINES**

## **LESSONS LEARNED ON THE IMPLEMENTATION OF THE “IWRM 2005 TARGET”**

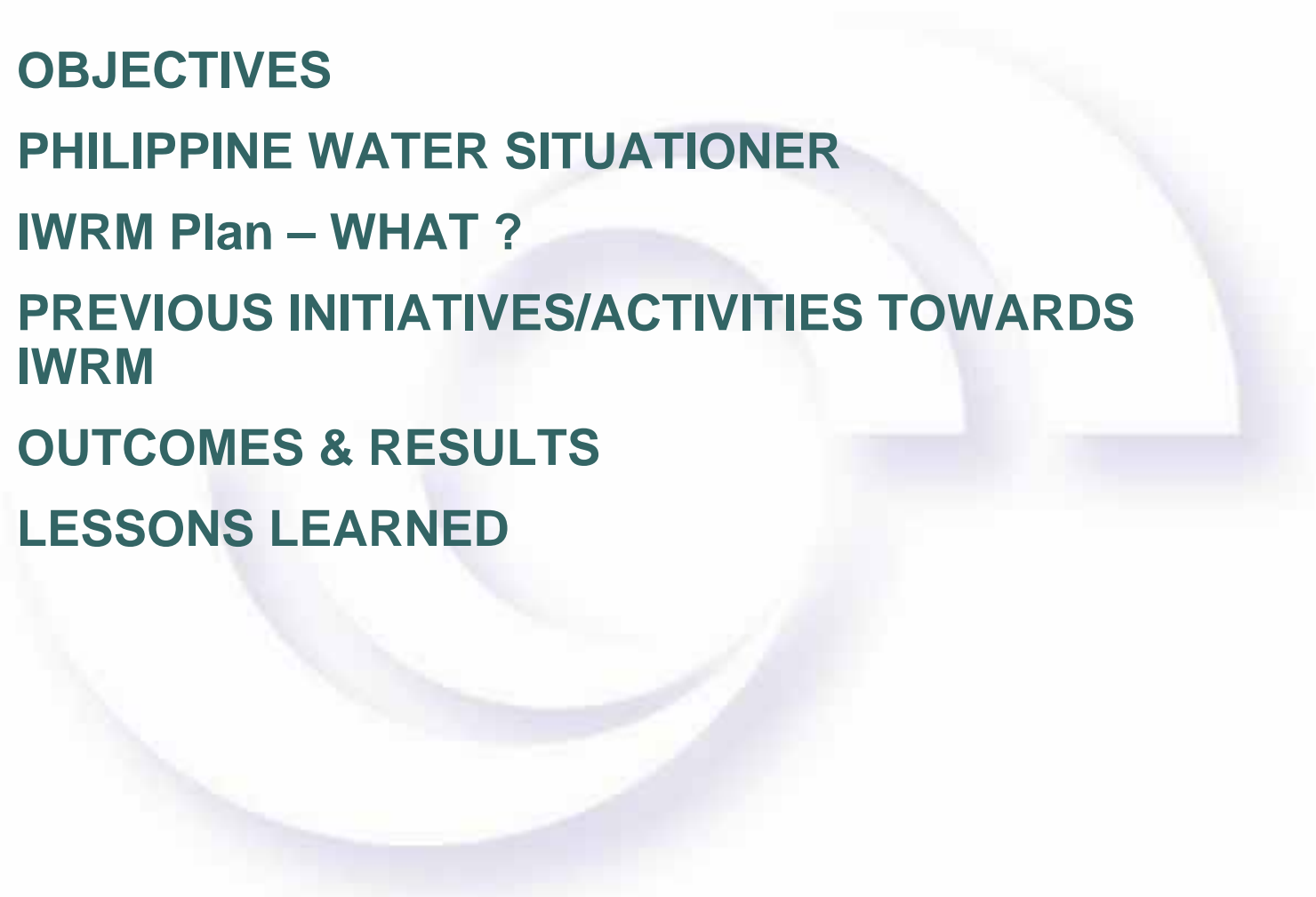
**A Presentation by**

**Elenito M. Bagalihog  
Chief, Water Rights Division  
National Water Resources Board**

**4<sup>th</sup> NARBO Training in Sri Lanka  
November 6 – 10, 2006**



# OUTLINE OF PRESENTATION

- ✦ OBJECTIVES
  - ✦ PHILIPPINE WATER SITUATIONER
  - ✦ IWRM Plan – WHAT ?
  - ✦ PREVIOUS INITIATIVES/ACTIVITIES TOWARDS IWRM
  - ✦ OUTCOMES & RESULTS
  - ✦ LESSONS LEARNED
- 



# OBJECTIVES:

- ✚ Develop a National IWRM and Water Efficiency Plan
- ✚ Environmental Sustainability Aspect
- ✚ International Commitment to the World Summit on Sustainable Development
- ✚ A Fundamental Step Towards Achieving The MDG Target



## 12 Water Resources Regions in the Philippines

Total Land Area :

**300,000 sq k**

Population :

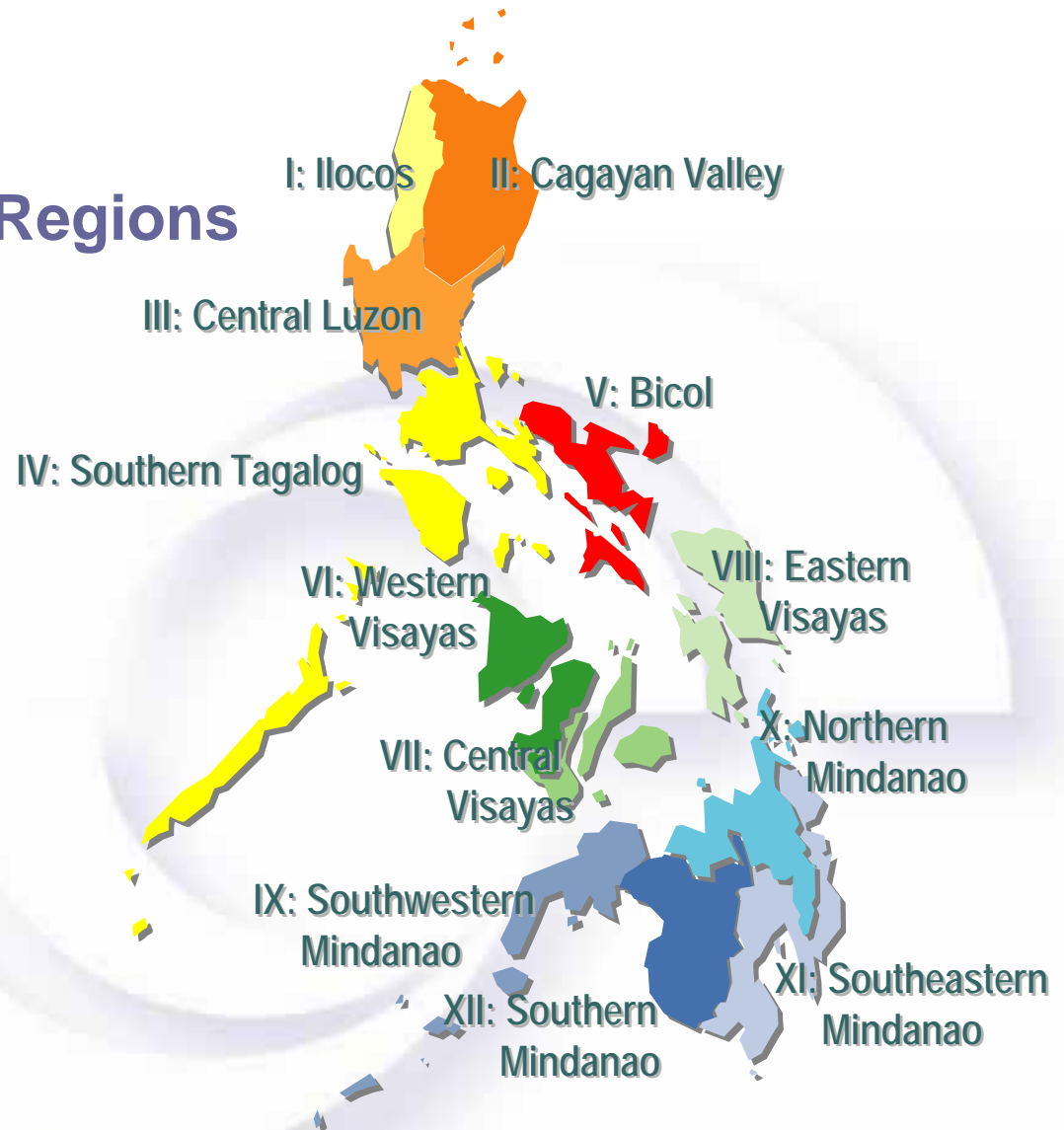
**84 Million (2005)**

Water Availability :

**145,000 cu m / day**

Per capita availability :

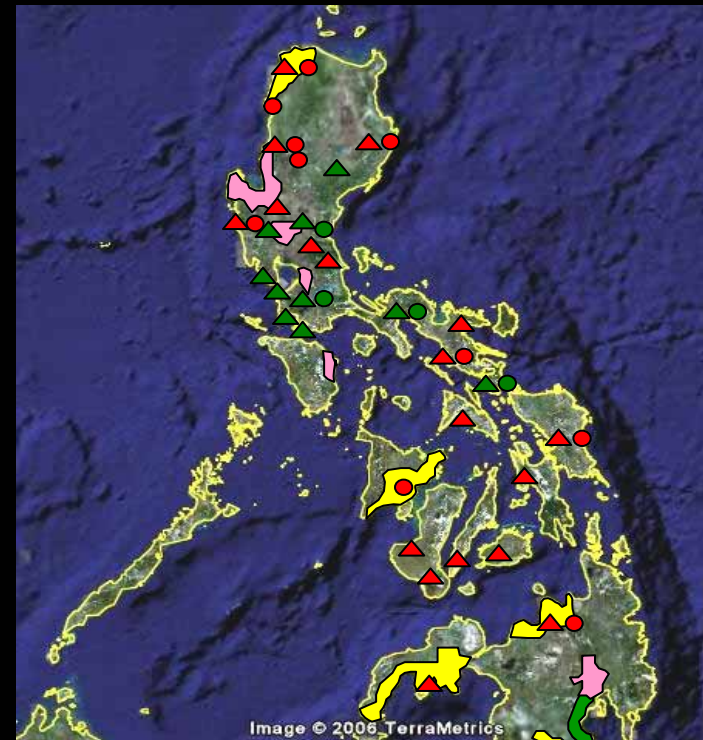
**1,905 cu m / year**



# IWRM Plan – WHAT ?

## *Focus on the critical water resources issue of the Philippines*

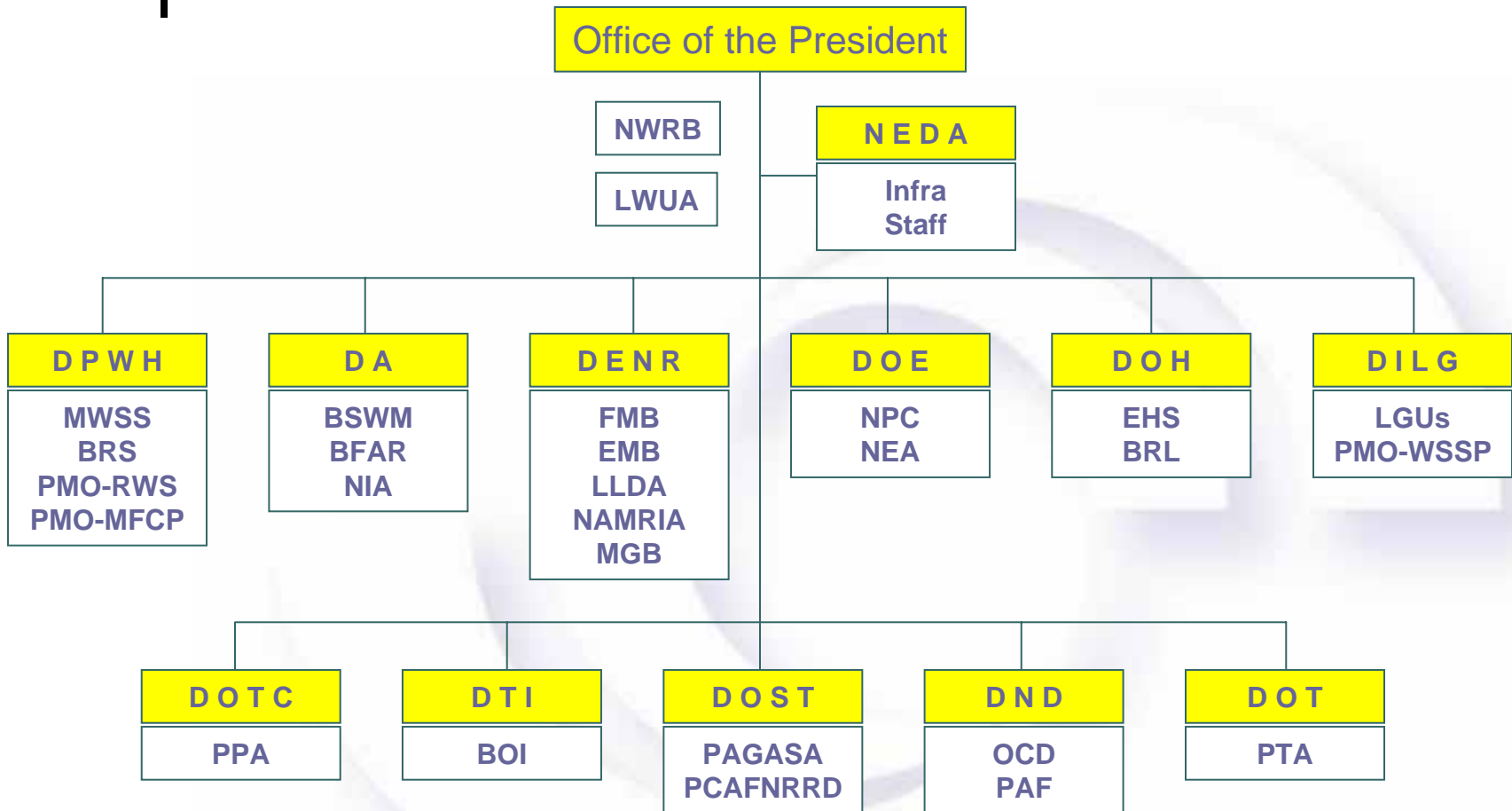
- 9 key cities are considered water constraint areas (Master Plan 1998).
- 18 river systems are below water quality standards
- 50 rivers (12%) of the 421 rivers in the country are considered biologically dead
- Annual average losses due to degradation of fisheries environment is estimated at P17 B.



Water Quality Hot Spots

	BOD/DO	TDS	COLIFORM
Unsatisfactory			
Marginal			
Satisfactory			

# Water Related Agencies





# IWRM Plan – WHAT ?

***Focus on Major Water Management Issues / Weaknesses***

- + Fragmented and sectoral approach in water resources management**
- + Conflicting laws and policies**
- + Absence updated and reliable data / information for a well informed decision**

# IWRM Plan – WHAT ?

*Considered Cross-Sectoral Integration*



**Domestic Water Supply and Sanitation**

**Water for Food**



**Water for Environment**



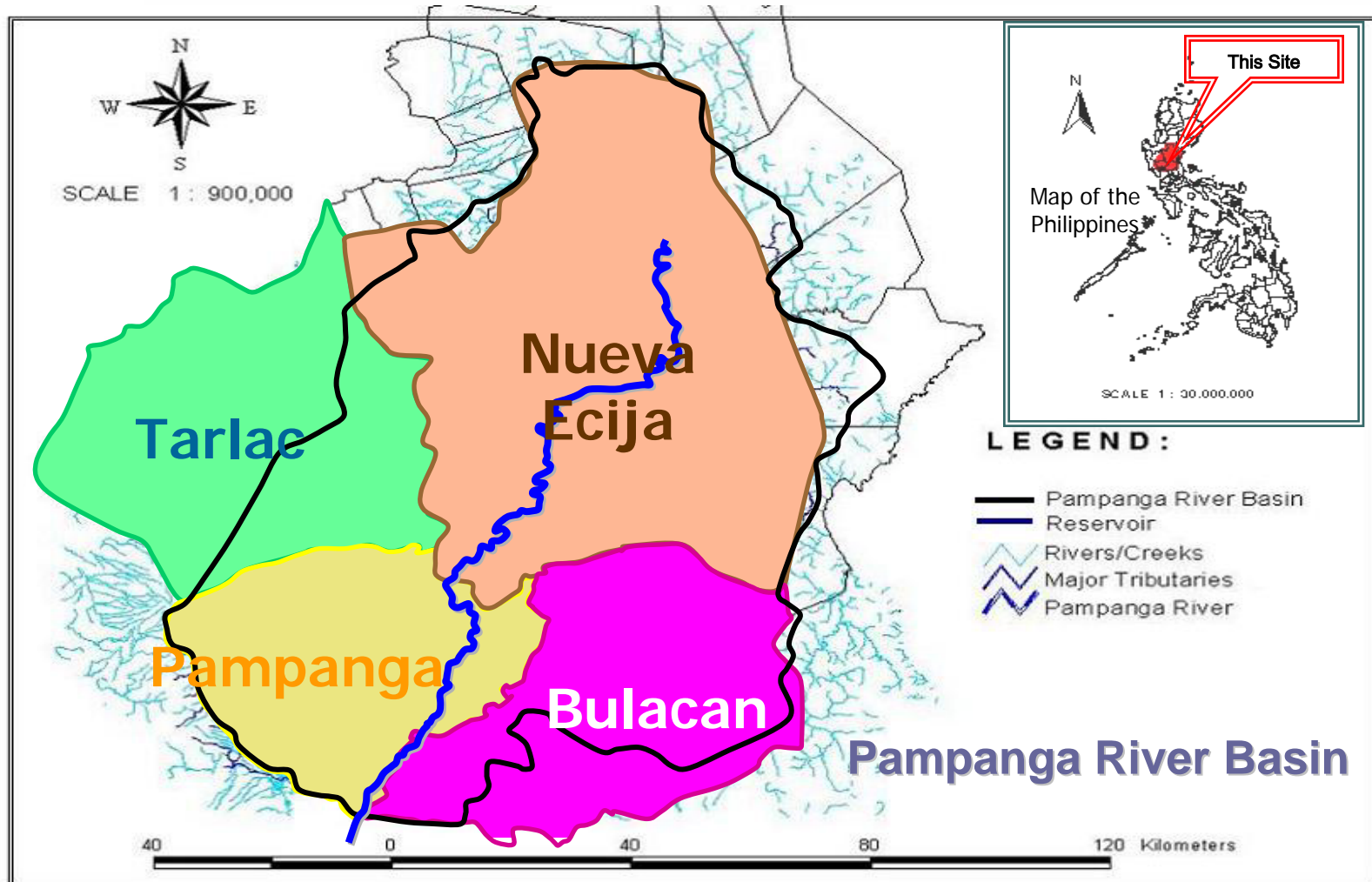
**Water Related Disasters and Risk Mitigation**





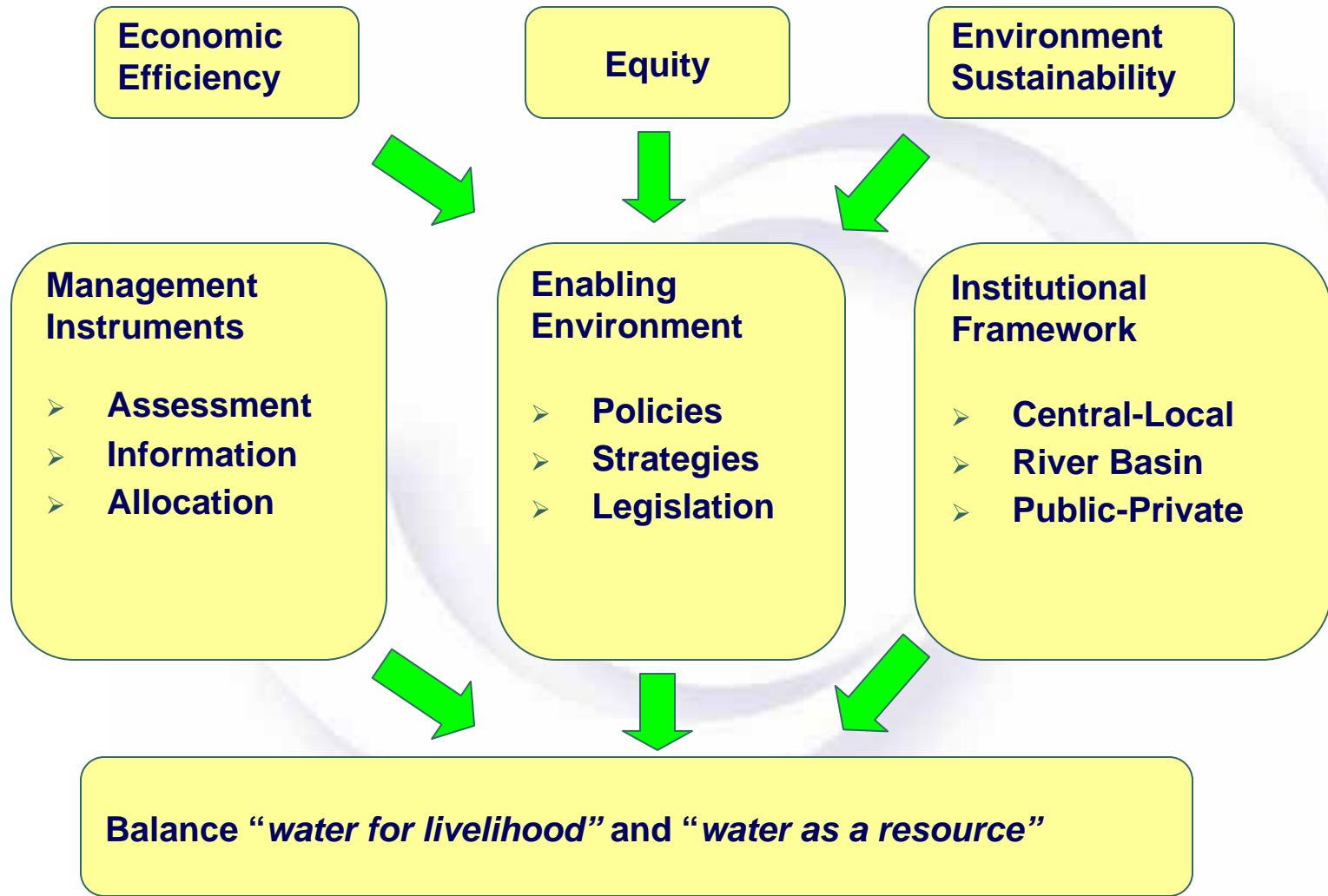
# IWRM Plan – WHAT ?

## *River Basin as the Basic Planning and Management Unit*



# IWRM Plan – WHAT ?

## Three Pillars of IWRM



**PREVIOUS  
INITIATIVES/ACTIVITIES  
TOWARDS IWRM**



## ESTABLISH STATUS AND BUILDING COMMITMENT

-  **2002 Workshop on Water Resources Management in the Philippines: Vision to Action- National Water Vision and Framework of Action towards attainment of the vision**
-  **2004 National Water Forum- Assessed country's water situation and drew-up list of policy recommendations and reforms in the water sector**



# ESTABLISH STATUS AND BUILDING COMMITMENT

-  **World Water Day 2005 Symposium**
-  **2004 NWRB Strategic Planning and Management on IWRM**
-  **Adoption of IWRM as the general strategy for water resources management in the Medium Term Philippine Development Plan 2004-2010**

# **OUTCOMES & RESULTS**








## OUTCOMES :

- ✦ Enhanced interest and level of commitment to adopting, operationalizing and institutionalizing IWRM
- ✦ Increased level of synergy and coordination among various agencies and organizations in the Multi-sectoral Task Force
- ✦ Sense of urgency in promoting and mobilizing support for IWRM agenda in all levels
- ✦ Clarity of roles and expected contributions in adopting, operationalizing and institutionalizing IWRM
- ✦ Translation of IWRM from concept/strategy into a set of concrete actions/initiatives





## **RESULTS :**

-  **Formation of a Multi-Sectoral Task Force on IWRM plan preparation and Multi-Sectoral Core Group for each strategic theme.**
-  **Institutional mapping of programs, projects and initiatives related to IWRM.**
-  **A proposed IWRM Framework Plan that has undergone a series of refinements through feedback and validation from different stakeholders.**



# IWRM Plan Framework

- **Outcome No. 1: Improved Effectiveness, Accountability, and Synergy among Water Related Institutions and Stakeholders**
  - *Strategic Theme No. 1*  
**Promoting Participatory Water Governance and Supportive Enabling Environment**
  - *Strategic Theme No. 2*  
**Strengthening Knowledge Management and Building Capacity for IWRM**



# IWRM Plan Framework

- **Outcome No. 2: Effective Protection and Regulation for Water Security and Ecosystem Health**
  - *Strategic Theme No. 3*  
**Ensuring Rational, Efficient and Ecologically Sustainable Allocation of Water**
  - *Strategic Theme No. 4*  
**Enhancing Effectiveness in Groundwater Management and Aquifer Protection**
  - *Strategic Theme No. 5*  
**Achieving Clean and Healthy Water**
  - *Strategic Theme No. 6*  
**Managing and Mitigating Risks from Water Related Disasters and Climate Change**



# IWRM Plan Framework

- **Outcome No. 3: Sustainable Water Resources and Responsive Services for Present and Future Needs**
  - *Strategic Theme 7*  
**Promoting Water Conservation/Stewardship and Improving Water Use Efficiency**
  - *Strategic Theme No. 8*  
**Expanding Access and Ensuring Availability of Affordable and Responsive Water Supply and Sanitation Services**
- **Outcome No. 4: Innovative Response to Future Challenges**
  - *Strategic Theme No. 9*  
**Exploring New Pathways to Water Resource Management**  
**Water Sensitive Design and Water Rights Trading**



## RESULTS :

- ✦ Presence of champions in key strategic National Government Agencies, Academe, Civil Society and Local Government Units
- ✦ Inventory and consolidation of IWRM related documents and reference materials previously housed in various agencies/organizations
- ✦ Endorsement and support of key stakeholders in the various consultations

# **LESSONS LEARNED**



## LESSONS LEARNED :

- ✚ Formation of Multi-sectoral Task Force from different key stakeholders and institutions improved inter-agency coordination and communication
- ✚ Involvement of multi-sectoral stakeholders in the process improved transparency and feedback and provide grounding & localization of issues



## LESSONS LEARNED :

- + Conduct of the IWRM leveling workshop, consultation and other activities increased level of awareness on IWRM
- + Presence of committed and supportive groups would ensure sustainability of IWRM despite political issues.



*“Without an Integrated Approach we could face a tangle of problems. Working together we could generate a cascade of progress and leave a lasting legacy for the future.”*

*-Kofi Annan*