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Network of Asian River Basin Organizations  
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# E-learning, RBO Corporatization, and WaterWealth Publication

Dennis Von C. Custodio

IWRM Specialist and RETA 6470 Coordinator  
(Consultant), Asian Development Bank



## NARBO Activities

- 1. Online training course on river basin management – 2011**
- 2. Seminar on corporatization of RBOs - 2012**
- 3. WaterWealth? Investing in Basin Management in Asia and the Pacific - 2013**

# Online Training Course on River Basin Management

- a concrete output of NARBO's basin study visit to Spain in May 2010
- a follow-up bridge-building between Asia and Spain for river basin management collaboration



## Course Description

- **eight-module course**

Module 1: Use of the Online platform

Module 2: Principles of Integrated Management for a Water Basin / Pillars of Integrated Management for River Basin Organizations / Water Basin Administration Bodies

Module 3: Water Basin Administration Bodies Management

Module 4: Aquatic Environment Administrative Management Models

Module 5: Monitoring, Controlling and Protection of the Aquatic Environment

Module 6: Water Management

Module 7: Planning/Construction of Water Infrastructures

Module 8: Learning from experience: Laguna Lake Development Authority  
Final Forum

- **toolbox on basic elements of river basin management**
- **better understanding of the IWRM process**



## Course Directors

- delivered from 10 Oct–18 Dec 2011 by CEDDET Foundation (Spain), in collaboration with
  - Laguna Lake Development Authority (Philippines)
  - Ebro RBO (Spain)
  - Ministry of Environment, Water and Agriculture (Spain)



**Dolora Nepomuceno**, NARBO Vice-Chair,  
As member of the course team



## Recipients of Diploma on River Basin Management



**Ms. Bidasari Binti Bahashim**, *Selangor Water Management Authority (Malaysia)*



**Mr. Herry Rachmadyanto**, *Perum Jasa Tirta 2 (Indonesia)*



**Mr. Brando Angeles**, *Laguna Lake Development Authority (Philippines)*



**Mr. Boonchai Ngamvitroj**, *Department of Water Resources (Thailand)*



## Next Online Training Courses for NARBO

1. River Basin Management (2<sup>nd</sup> / 3<sup>rd</sup> editions)
2. Environmental Management (1<sup>st</sup> / 2<sup>nd</sup> editions)

**For updates, visit:**

NARBO website: <http://www.narbo.jp/>

NARBO page in Facebook:

<https://www.facebook.com/yahoophilippines#!/pages/Narbo-is-the-Network-of-Asian-River-Basin-Organizations/195368717237558?fref=ts>

NARBO Friends group in Facebook:

<https://www.facebook.com/yahoophilippines#!/groups/455387447830375/>



## Seminar on Corporate River Basin Organizations

**Aimed to**

- draw lessons from the 'corporate' experience of strategic RBOs from Indonesia and Philippines
- help ADB to catalyze the implementation of Water Operational Plan 2011-2020



# Learning from NARBO Corporate River Basin Organizations

## 1. PJT1 (Brantas and Solo river basins)

**Tjoek Walujo Subijanto**, NARBO Vice-Chairperson

## 2. LLDA (Laguna lake basin)

**Dolora Nepomuceno**, NARBO Vice-Chairperson

## 3. PJT2 (Citarum river basin)

**Eddie Djajadiredja**



## Advantages of Corporate RBOs

- **responsiveness**: customer-focused and quick response to new challenges/opportunities
- **flexibility**: mobilization, utilization and optimization of resources
- **accountability**: fair and transparent fund use
- **independence**: self capacity and human resource development, employing and laying off staff, financial management including buy and sell and retaining revenues
- **earmarked funds**: water service revenues financing O&M of infrastructure facilities
- **shorter way from decision to implementation**: promotion and implementation by in-house capacity rather than by a line agency (less inter-agency synchronization); direct financing that is separate from lengthy public investment planning procedure
- **fiscal autonomy**: mobilization and leveraging of funds to catalyze investments in IWRM including environmental and water-related infrastructure projects
- **innovative financing mechanisms and market-based incentives** for IWRM
- **stakeholders' support**
- **legislated charter**





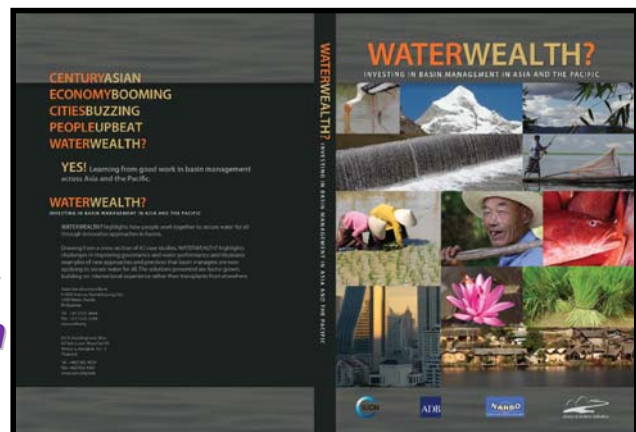
- some countries are ready, and are already moving in that direction
- many river basins, organizations, and countries where principles of corporate management and corporate RBOs can be applied; **but also many are just not ready**

...need to ensure that interventions are tailor-fitted to the real situation on the ground!

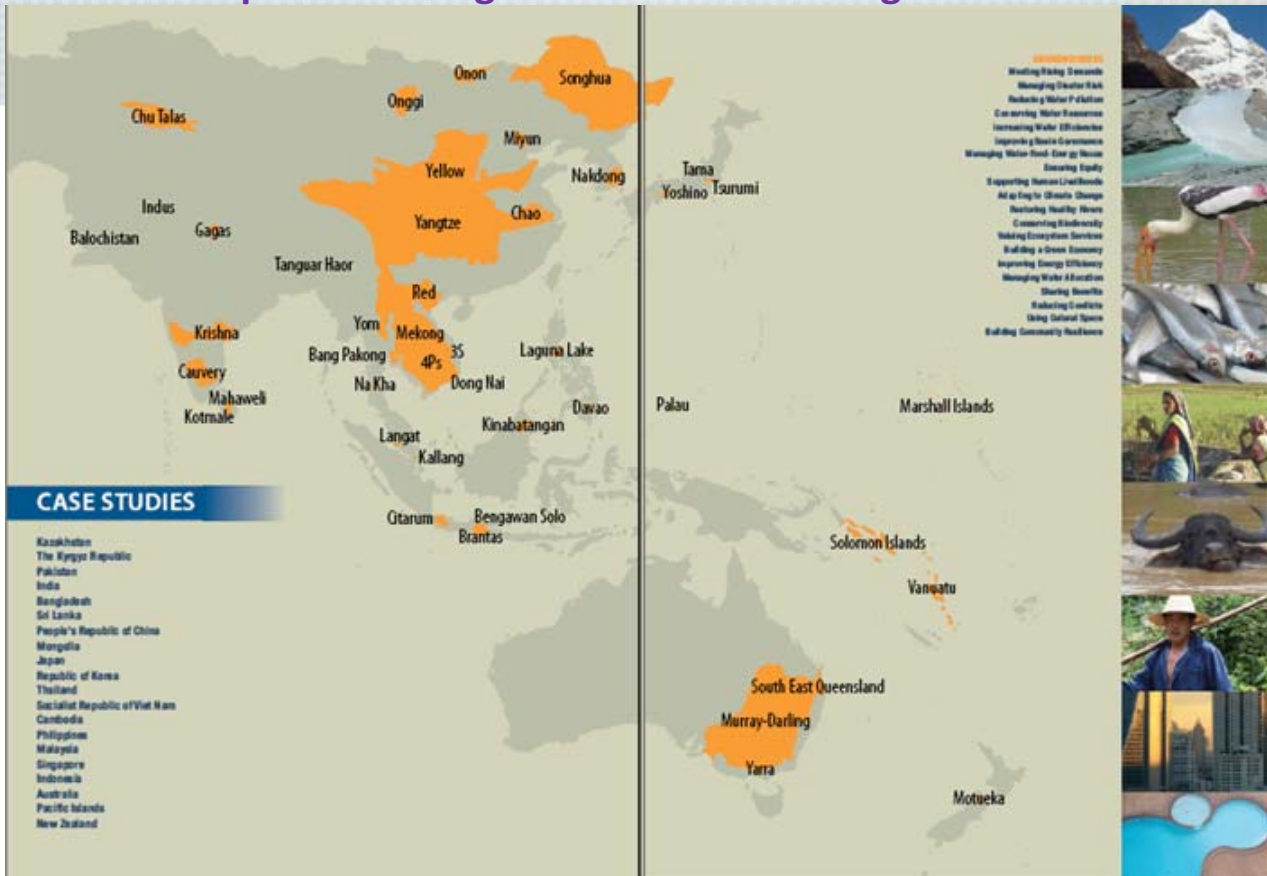


## WaterWealth? Investing in Basin Management in Asia and the Pacific

- joint publication by ADB, IUCN, and NARBO
- key message: *‘if a country wants to achieve economic growth, become energy secure and feed its population, it must find ways to invest wisely in river basin management.’*
- target audience: ministers of finance and policy makers



# 43 case studies which explain the challenges and solutions to improve water governance and management ...



Local approaches and practices being applied by basin managers to secure water for all → solutions are homegrown measures that build on international experience

## LEARNING FROM THE GROUND

BASIN (Area in km <sup>2</sup> )	Major Productive Uses	Challenges	Responses
<b>CENTRAL AND WEST ASIA</b> Kazakhstan and the Kyrgyz Republic			
<b>Chu-Talas River Basin</b> (115,200)	Irrigation, mining, aquaculture, livestock, hydropower, and natural breeding habitat for fowl	<ul style="list-style-type: none"> <li>Water allocation and distribution</li> <li>Joint management of the river basins</li> <li>Safe and reliable operation of water distribution facilities</li> <li>Maintenance of environmental flows</li> </ul>	<p>Bilateral Framework Agreement of 2000 between Kazakhstan and the Kyrgyz Republic for better cooperation.</p> <p>Establishment of the Chu-Talas Joint River Commission.</p> <p>Investment by downstream country (Kazakhstan) in operation and maintenance (O&amp;M) of infrastructure in the upstream Kyrgyz Republic for mutual benefit.</p>

# NARBO Contribution to the Publication



Co-author: **Wouter Lincklaen Arriens**  
Vice Secretary-General, NARBO  
Lead Water Resources Specialist, ADB

## Key Messages/Statement from NARBO Officials



**Keizrul Bin Abdullah**  
Chair



**Tjoek Walujo Subijanto**  
Vice-Chair



**Apichart Anukularmphai**  
Senior Adviser

## Key Messages/Statement from NARBO Member organizations

**Mark Smith**, International Union for Conservation of Nature

**Colin Chartres**, (former Director-General), International Water Management Institute

**Jeremy Bird**, (former CEO), Mekong River Commission Secretariat

**Sukontha Aekaraj**, Department of Water Resources of Thailand



# To Get A Copy

- To order, please contact:

## **Mr. Ganesh Pangare**

Head, Ecosystems and Livelihoods Group, Asia

Head, Water Programme, Asia

International Union for Conservation of Nature (IUCN)

Asia Regional Office

63 Sukhumvit Soi 39, Sukhumvit Road, Wattana

Bangkok 10110, Thailand

Tel: +66 2 662 4029 (ext. 402)

Fax: +66 2 662 4387

Skype: pangy16

Email: <Ganesh.PANGARE@iucn.org>

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