

NARBO

Network of Asian River Basin Organizations



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The 5th GEOSS Asia-Pacific
S y m p o s i u m
GEO Initiatives towards Green Growth in the Asia-Pacific Region
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Introduction of NARBO

3 April 2012
Tokyo, JAPAN

Tadashige KAWASAKI
NARBO Secretariat / Japan Water Agency



What's NARBO?

- ✓ Network of Asian River Basin Organization was initiated by Asian Development Bank (ADB), ADB Institute (ADBI) and Japan Water Agency (JWA).
- ✓ Formally announced by signing the LOI on March 21, 2003, during the 3rd World Water Forum at Kyoto-Shiga, Japan.
- ✓ Established on February 24-26, 2004 in Malang, Indonesia



Letter of Intent for NARBO



1st NARBO General Meeting in 2004

Our Goal

To help to achieve **IWRM** in river basins throughout Asia.

[Definition of IWRM]

IWRM is “a process which promotes the coordinated development and management of water, land and related resources, in order to maximize the resultant economic and social welfare in an equitable manner without compromising the sustainability of vital ecosystems.”

(Defined by the Technical Committee of the Global Water Partnership)



Objective

To strengthen the capacity and effectiveness of RBOs in promoting IWRM and improving water governance, through training & exchange of information and experiences among RBOs and their water sector agencies & knowledge partner organizations.



Ownership is the basis of network activity

NARBO

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Established in 2004

76 Organizations from 16 countries

NARBO Member Organizations

1	Indonesian Water Development Board (DWRB)
2	Land Development Engineering Department (LDED)
3	Ministry of Water Resources and Power (MWRP)
4	Ministry of Hydrology and River Works (MHRW)
5	Department of Hydrology and River Works (DHRW)
6	Directorate General of Water Resources (DGRW)
7	Water Resource Department, Land and Water Bureau, Ministry of Land, Infrastructure, Transport and Tourism
8	Water Resources Department (Water RWD, LWRDC)
9	Department of Irrigation and Drainage (DID) (Korea)
10	National Water Resources Board (NWRB)
11	Department of Environment and Natural Resources (DENR)
12	National Water Resources Authority (NWRMA)
13	Department of Water Resources, Ministry of Water Resources and Environment (MWR, MWRM)
14	Upper Board of Water Resource Management (UBWRM)
15	Agency for Water Works in Water Works (AWWW)
16	American Institute for Water Resources (AWR)
17	Department of Water Resources and Environment (DWR)
18	Water and Power Distribution Corporation (WPD)
19	International Centre for Integrated River Management (ICIRM)
20	Global Water Partnership (GWP) (SEA) (GWP)
21	Global Water Partnership (GWP) (SEA) (GWP)
22	South Asia Network of River Basin Organizations (SANRO)
23	Watershed Building Network for Sustainable Water Resources Management South Asia (WBSA)
24	Association of Water Workers (AWW)
25	Association of Water Workers (AWW)
26	Association of Water Workers (AWW)
27	Foundation for Water Affairs (FWA)
28	Faculty of Engineering, King Fahd University of Petroleum & Minerals (KFUPM)
29	Research Centre for Water Resources (RCWR)
30	Center for Environment & Civil Engineering Research
31	Post Graduate Study in Water Resources Management Faculty of Engineering, Sultan Musa University
32	AFRIBARI Foundation
33	AFRIBARI Water Resources Association
34	Japan River Restoration Network (JARN)
35	Graduate School of Management, Kyoto University
36	National Hydrological Research Institute of Indonesia
37	Thailand Water Resources Association (TWRA)
38	Asian Development Bank (ADB) (ADP)
39	Asia Pacific Association of Hydrology and Water Resources
40	International Centre for Water Research and Management
41	International Research and Training Center on Drought and Semi-Aridization (ICRTD)
42	Indonesian Water Conservation Association
43	International Water Centre (IWC)
44	International Water Management Institute (IWMI)
45	The World Water Fund (WWF) (WWF)
46	Asian Development Bank (ADB)

NARBO Member Organizations

1	Task Force 1 (TF1) (Government) (TF1)
2	Task Force 2 (TF2) (Government) (TF2)
3	Regional Asia River Basin Organization
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25	Regional Asia River Basin Organization

● River Basin Organizations (RBO)

- Government Organizations (GO)
- Regional Knowledge Partners (RKP)
- Inter-Regional Knowledge Partners (IRKP)
- Development Cooperation Agency (DCA)

5 categories of members



Category	Member
River Basin Organization (RBO)	28
Government Organization (GOV)	19
Regional Knowledge Partner (RKP)	19
Inter-Regional Knowledge Partner (IRKP)	9
Development Cooperation Agency (DCA)	1
Total	76

Member organization shares knowledge and experience on IWRM through NARBO and optimizes each expertise for RBOs.

NARBO Management Tea

Chairperson

Mr. Keizrul Bin Abdullah,
Malaysia

Vice-Chairpersons

Mr. Ivan De Silva,
Sri Lanka



Ms. Dolora Nepomuceno,
Philippines



Mr. Tjoek Walujo Subijanto,
Indonesia

Senior Advisors

Mr. Basuki Hadimoeljono,
Indonesia



Mr. Mochammad Amron,
Indonesia



Mr. Apichart Anukularmphai,
Thailand

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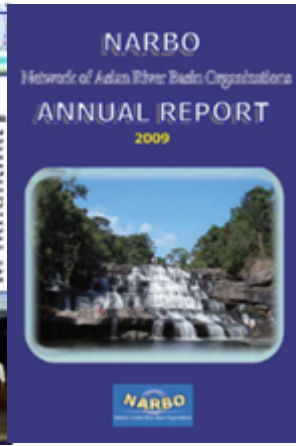


Center for River Basin Organizations and Management

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Major Five Activities of NARBO





Thematic Workshops

Total 200 member staff participated.

- ✓ Water Allocation and Water Rights ; 5 times
- ✓ Sustainable Management for Water Resources Infrastructures; 4 times
- ✓ Water-Related Disaster and Its Management ; 2 times



Workshop on Water-Related Disaster and Its Management in Asian countries

- 1st Workshop ; Yogyakarta, Indonesia (2007)
- 2nd Workshop ; Manila, Philippines (2008)
- Study Meeting ; Hoi An, Viet Nam (2009)



The goal of the workshop is to develop capacity of key organizations for water-related disaster management by

- (i) Providing basic concepts and principles;
- (ii) Sharing country challenges and strategies; and
- (iii) Formulating an action plan.



IWRM Training

Six times Training & 100 trainees participated
(venue; Thailand, Sri Lanka, Korea and Viet Nam)

Participants were better equipped to introduce, implement and improve IWRM in their river basins. They also expanded their professional network, becoming part of an ongoing network of IWRM practitioners focused on improving IWRM in their river basins.



Twinning Program

Twining Program is a program to exchange NARBO member staff to share each experience, knowledge and technology of IWRM. Now, agreement was made between JWA, K-Water, Indonesia NARBO, Sri Lanka and Viet Nam NARBO, and staff was exchanged among these organizations.





General Meeting

- ✓ Organized every two years
- ✓ Agree new 2 year action program and management team
- ✓ Good opportunity to get collaboration from Knowledge Partner organizations



NARBO Activities in 2011

1st IWRM Executive Retreat on Leadership in River Basins (Indonesia, 12-14 June, 2011)

Objective ; Share experiences of effective leadership in river basins





1st IWRM Executive Retreat on Leadership in River Basins

“Leadership is not about an individual, it is about making everybody else a leader. Leadership attributes called upon in managing Asia’s complex and dense river systems, revolve around: anticipation (vision and planning), orientation, reconciliation (internal and external), and reaction (to new needs and opportunities).”



Mr. Ravi Narayanan

Vice Chair, Governing Council, Asia-Pacific Water Forum

International Seminar on Corporate River Basin Organization in Asia (Indonesia, 14-16 June, 2011)

Discussion Points ; Strengthen and weaknesses of existing types of RBOs in Asia; (ii) application and performance of corporate and quasi-corporate RBOs; and (iii) how governments can determine an appropriate RBO model.





1st IWRM Executive Retreat on Leadership in River Basins



**Mr. Keizrul bin Abdullah
Chairperson, NARBO**

For RBO's sustainability, the fittest model can survive. If the RBO is not fit for the purpose, it will die. At the same time, you need to look at financial side. Without money, nothing can move. And, it depends on national policies. There us 'no one size fits all'. Don't think that there is one solution for you. Ultimately, each RBO is unique. You have to learn from others but you have to come up with your own model. Hopefully, you will share your experience with NARBO so that our members can have more models to choose from.



NARBO Activities in 2012

**GEOGEO-UNESCO Joint Workshop on Earth Observations and Capacity Development for Integrated Water Resources Management at River Basins in Africa
(Nairobi, KENYA 12-16 January, 2012)**



6th World Water Forum (Marseille, France, 12-17 March, 2012)

✓ Contribution to sessions

- i ; Strengthen River Basin Organizations in the Asia-Pacific to Accelerate IWRM by UNESCO
- ii ; Getting Started on Mitigation Strategies for Disaster Risk Reduction in Developing Countries by UNESCO-ICIWaRM
- iii ; Implementing IWRM in South Asia through Area Water Partnership by Pakistan Water Partnership

✓ Exhibition of NARBO activities



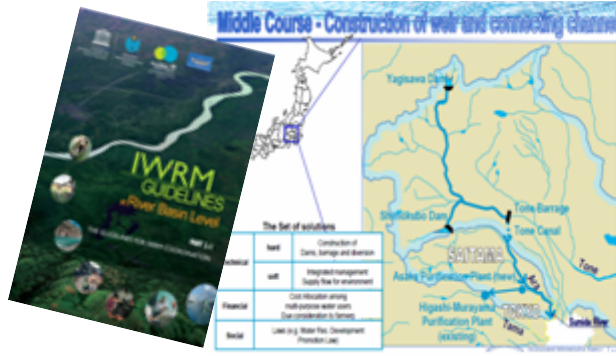
Chairperson of NARBO at UNESCO's session



Exhibition at Japan Pavilion

Result of NARBO Activities

I learned a lot of things from the training, exposed to difficult experiences from different countries implementing IWRM. (Comments of a participants)



2008
1979
1970
1963
1960



Result of NARBO Activities and Way Forward

- i) Asia has knowledge, experience and solution.
- ii) Further opportunities to share knowledge are needed.
- iii) NARBO will contribute to share knowledge and experiences by enhancing its Activities with regional partner organizations.



NARBO Activities in 2012-2013

7th IWRM Training
5th General Meeting
Thematic Workshop





Thank you for your attention!



For further information, please visit our website.

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

If you have any questions, please do not hesitate to ask me.

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