



NARBO's IWRM Indicator

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NARBO History & Secretariat

History :

NARBO is the Network of Asian River Basin Organizations. Announced at the 3rd World Water Forum in March 2003, NARBO was officially established in **February 2004** to promote integrated water resources management (IWRM) in monsoon areas of Asia.



Secretariat of NARBO :

NARBO was funded by Asian Development Bank (**ADB**), Asian Development Bank Institute (**ADBI**), and Japan Water Agency (**JWA**). From 2010, Center for River Basin Organizations and Management (**CRBOM**) joined secretariat.



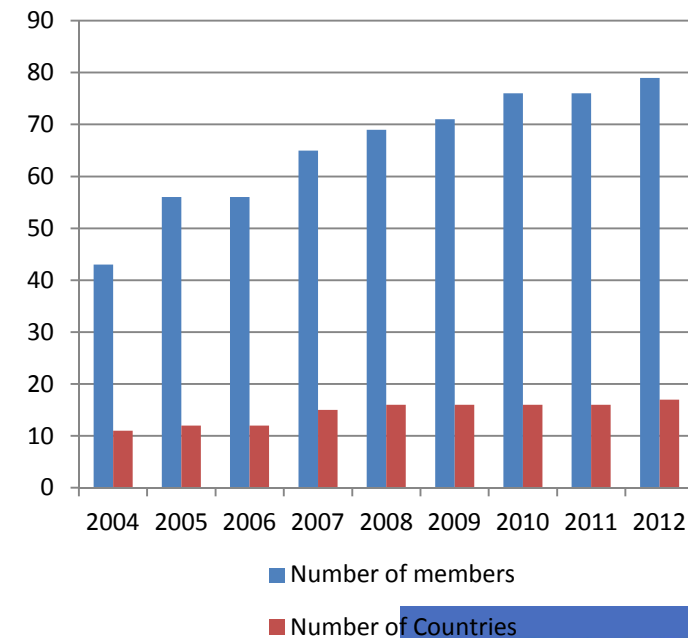
Objective & Members of NARBO

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.

Members :

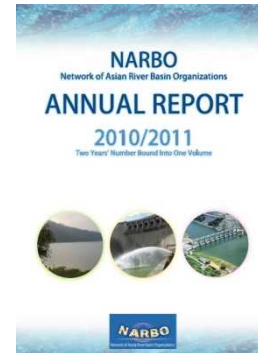
84 organizations from 18 countries
(as of May 2014)



Finding “needs” through networking activities

Activities of NARBO

Major Five Activities: *Facilitate to establish and strengthen RBOs*



Information Sharing
(website, news letter, annual report)

Thematic workshops



Twinning Program



IWRM Training



RBO Performance
Benchmarking

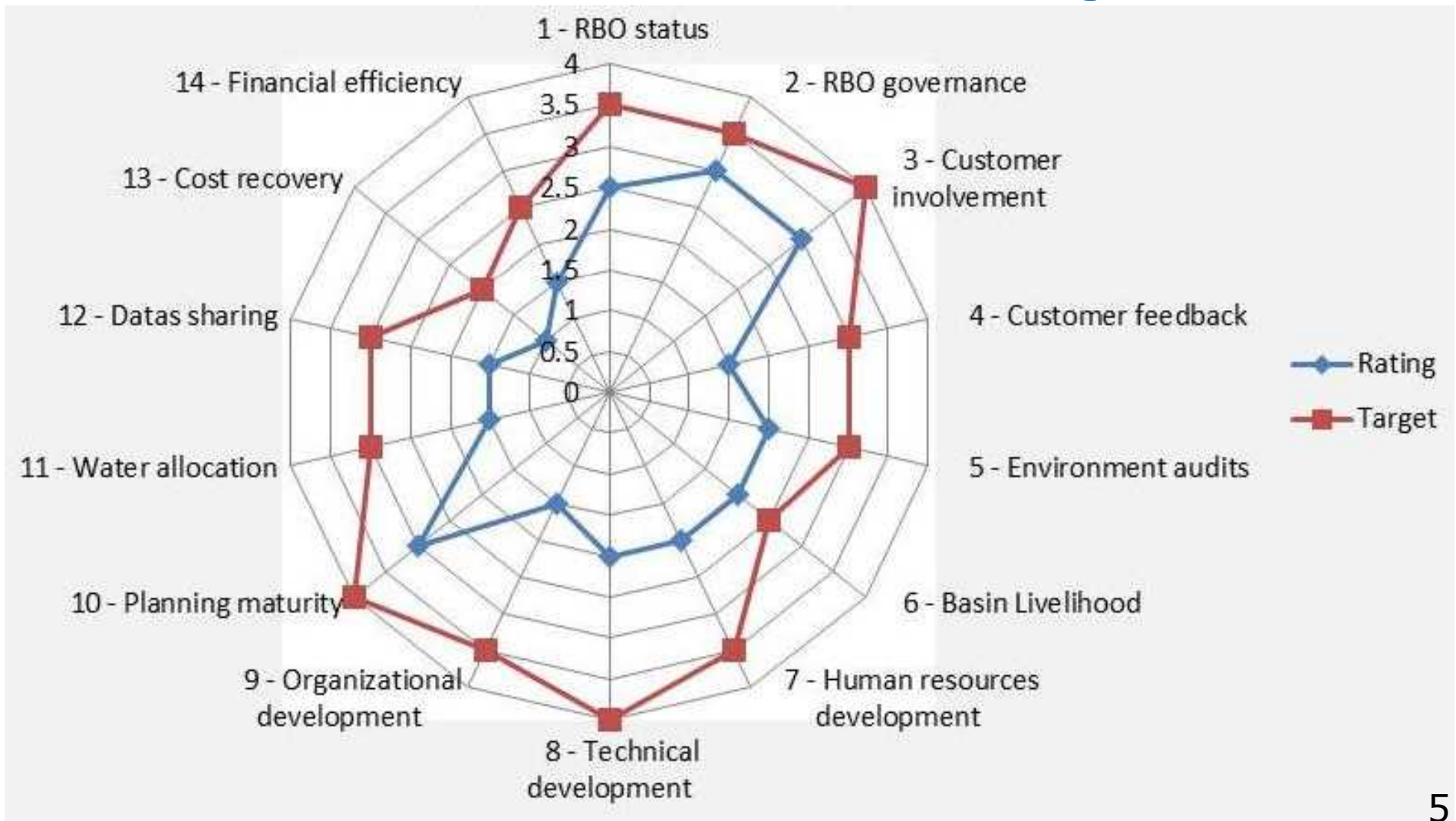
NARBO RBO Performance Benchmarking

14 Indicators to measure the capacity of RBOs

5 Critical Performance Areas	Objectives	14 Indicators
Mission	IWRM	RBO Status
		RBO Governance
Stakeholders	Customer Satisfaction	Customer Involvement
		Customer Feedback
	Environmental Conditions	Environmental Audits
	Livelihoods	Basin Livelihoods
Learning and Growth	Human Resources	Human Resource Development
	Infrastructure	Technical Development
	Systems Development	Organizational Development
Internal Business Processes	Planning	Planning Maturity
	Resource Management	Water Allocation
	Information Management	Data Sharing
Finance	Financial Independence	Cost Recovery
	Financial Performance	Financial Efficiency

NARBO RBO Performance Benchmarking

Progress is measured every year and plotted to show the achievement relative to the Target.



IWRM, Water & its management

➤ **IWRM** : a step-by-step process of managing water resources in a harmonious and environmentally sustainable way by gradually involving stakeholders in planning and decision making processes.



“IWRM Guidelines at River Basin Level”
by UNESCO, 2009

➤ In order to solve the problem that occurs in a river basin

- (1) Recognizing / Identifying
 - (2) Conceptualizing
 - (3) Coordinating & planning (Reaching an agreement)
 - (4) Implementing / Monitoring / Evaluating
- IWRM Process***

IWRM Spiral (UNESCO's IWRM Guidelines)



NARBO's IWRM Indicator

- Indicators are associated with the progress phase of IWRM process

Score	Contents
0	Not recognizing pressing issues or needs
1	Recognizing pressing issues or needs
2	Identifying pressing issues or needs
3	Conceptualizing the problem itself and formulating possible solutions
4	Coordinating among stakeholders in order to reach an agreement
5	Planning among stakeholders in order to reach an agreement
6	Reaching an agreement
7	Implementing the plan
8	Monitoring the plan and its outcome
9	Evaluating the plan and its outcome

Draft Indicator was tested in many river basins in Asia.

NARBO's IWRM Indicator / examples of trial results

Score	Contents
0	Not recognized <i>Though all the riparian countries do recognize the need for applying IWRM principle in the basin, no ground work has yet</i>
1	Recognized by <i>National Water Law is not yet established and coordination mechanism among stakeholders is required. Detail study and comprehensive report for the study is required for proper</i>
2	Identifying <i>We has developed Emission or Discharges of Pollutants Regulation. Political commitment is one of the most important elements in water resources management. We has a big role for</i>
3	Conceptual <i>Some activities may get implemented soon, but some may take the back seat due to limitation of budget. Thus may need to prioritize and decide</i>
4	Coordinated <i>Water resources development and management in the river basin is carried out based on Integrated Management principle. The master plans were periodically reviewed in order to update the plans in accordance to the national development requirements.</i>
5	Planning
6	Reaching an
7	Implement
8	Monitoring
9	Evaluating

Thank you for your attention !



For further information, please visit our website. <http://www.narbo.jp/>

If you have any questions, please contact to NARBO Secretariat.

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