

**NARBO's 9<sup>TH</sup> IWRM TRAINING**  
12-19 May 2014 • Philippines



Building on IWRM Good Practices

The Laguna Lake Basin Experience

# Dissemination of the concept of IWRM at field level

To be an Interpreter of IWRM in your organization

Tadashige Kawasaki (Mr.)

NARBO Secretariat

Jointly with UNESCO

# Tadashige Kawasaki

Japan Water Agency

Network of Asian River Basin Organizations (NARBO)



**Apr 2008- NARBO Secretariat**

**Apr 2008-Sep 2010**

Asian Development Bank Institute (ADBI)

**Oct 2002-Oct 2004**

Ministry of Land, Infrastructure, Transport and Tourism (MLIT), Government of Japan

- ✓ Lecturer at JICA's IWRM Training Course, National University of Singapore, UNESCO Workshop, Online Training Course and so on
- ✓ Member of Reviewing team of Water Resources Master plan by JICA and making "Asian Water Development Outlook 2013" by ADB
- ✓ Task Force member of the High-level Expert and Leaders Panel on Water and Disasters (HELP) by United Nations Secretary General's Advisory Board on Water and Sanitation (UNSGAB)

# **Current NARBO Activities**

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***Influence & Result***

# Influence of NARBO in the world

**Side Event of the United Nations  
Special Session on Water and Disasters  
(5 March, 2013) with USACE & ICHARM at UN-HQ**  
Discussed water related disaster and IWRM



# Influence of NARBO in the world

## High-level Expert Panel on Water and Disasters (HELP)

(June & November, 2013 & May, 2014)

Enhancing international discussion on 'Mainstreaming of disasters prevention focused on water-related disasters for sustainable development.



# Influence of NARBO in the world

## OECD Water Governance Initiative

(November, 2013 & April, 2014)

We're now developing 'Water Governance Index', and it will be launched at the 7<sup>th</sup> World Water Forum in 2015



# Influence of NARBO in the world

## Budapest Water Summit (Oct 2013)



### A SUSTAINABLE WORLD IS A WATER-SECURE WORLD

#### THE BUDAPEST WATER SUMMIT

8-11 October 2013, Budapest

The Budapest Water Summit was initiated at the United Nations World Water Development by the Hungarian Government with the support of various developments in preparing the water-related agenda. The Budapest Water Summit Statement resulted from the sessions and the deliberations of the civil society, scientists, and experts in place during the Summit.

Annex I

#### POLICY RECOMMENDATIONS OF THE BUDAPEST WATER SUMMIT SUSTAINABLE DEVELOPMENT GOALS

15. Developing education and capacities at all levels to ensure a secure number of water professionals and knowledge passed on to subsequent generations. Educating and training the next generation of water leaders, as well as reinforcing the capacities of stakeholders such as local authorities, NGOs and CSOs (individual and institutional), will be critical to achieving the water and sanitation related SDG. It is recommended to renew and reinforce the dialogue between researchers and practitioners, to speed up the uptake of research results, and to support innovation best practices to bridge the still existing gap between science and policy.

#### [ NARBO's Comment (Yellow collar) ]

Developing capacities at all levels must be incentivized, **especially focused on field level**. Sustained service delivery requiring appropriate institutional and governance arrangements by ensuring adequate new infrastructure along with rehabilitation and renewal of ageing infrastructure is to be paid greater attention. It is also critical to identify effective approaches to small communities, including demand management especially at higher levels of service, adapt existing and new systems, particularly water storage, to manage hydrological uncertainties and risks with a view toward ensuring and increasing resilience to the impacts of water scarcity and climate change.

We've already recognized the necessity of the capacity development at all levels. However, issue is how to implement to address many issues on water at ground level. Hence, we'd appreciate it if we could focus on field level to improve current situation of water steadily. NARBO is now **filling this gap between policy makers, researchers and practitioners** for improving IWRM from ground levels.



# Result of IWRM Training Course

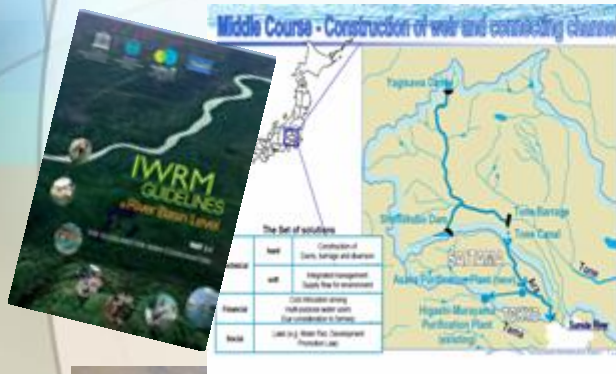
No.	Date	Country	Venue	Recipient Organization	No. of Participants	No. of Countries Joined
9th	May.12 - 19, 2014	Philippines	Tagaytay	Laguna Lake Development Authority (LLDA)	33	11
8th	Nov.27 - Dec.4, 2013	Sri Lanka	Thulhiriya	Mahaweli Authority of Sri Lanka (MASL)	27	11
7th	Nov. 2 - 9, 2012	Sri Lanka	Thulhiriya	Mahaweli Authority of Sri Lanka (MASL)	26	8
6th	Nov.30 - Dec.7, 2009	Viet Nam	Da Nang	The Vu Gia - Thu Bon (VGTB) river basin committee, People's Committees of Da Nang City and Quang Nam Province	19	7
5th	Feb.18 - 25, 2009	Viet Nam	Hoi An	The Vu Gia - Thu Bon (VGTB) river basin committee	24	6
4th	Nov. 6 - 10, 2006	Sri Lanka	Negombo Randenigala	Mahaweli Authority of Sri Lanka (MASL)	15	6
3rd	Nov.14 - 18, 2005	Korea	Daejeon	Korea Water Resources Corporation (KOWAKO/K-Water)	18	8
2nd	Apr.25 - 29, 2005	Sri Lanka	Negombo	International Water Management Institute (IWMI) and Mahaweli Authority of Sri Lanka (MASL)	27	6
1st	Jul.26 - Aug.6, 2004	Thailand	Bangkok Chiang Mai	Thailand Water Resources Association (TWRA)	22	7



# Result of IWRM Training Course

*I learned a lot of things from the training, exposed to difficult experiences from different Countries implementing IWRM.*

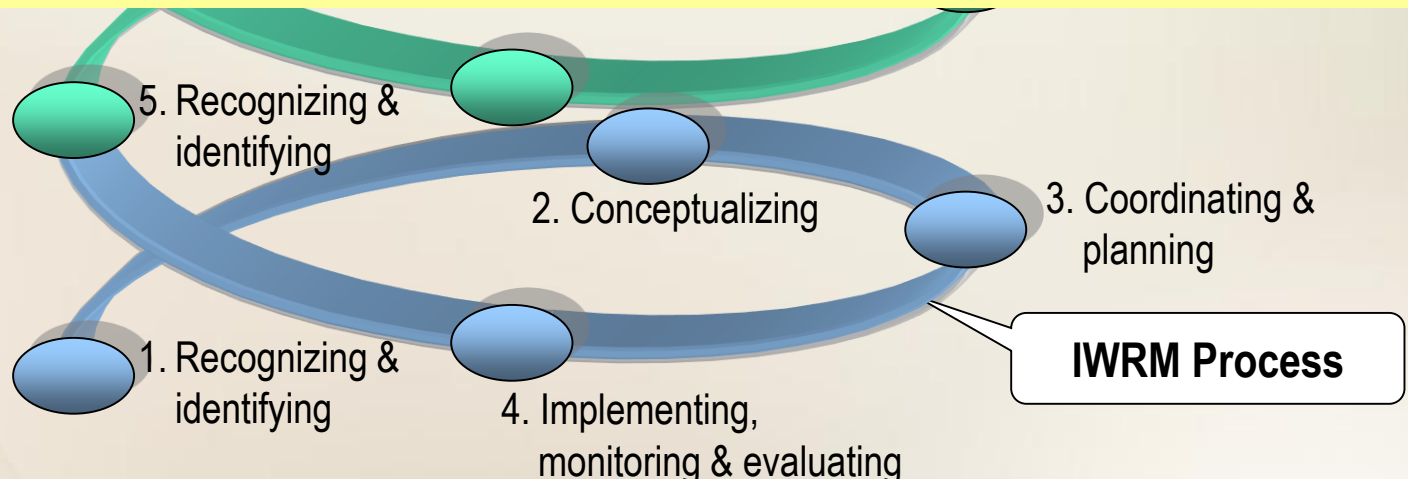
*(Comments of a participant of IWRM Training)*



# Result of IWRM Training Course

Progress of IWRM

Recently, 'IWRM Spiral' which was introduced at the UNESCO's Guideline is well known as 'NARBO-Spiral' in Asia



# Activities for enhancing the capacity of RBOs

## International Seminar on Corporate River Basin Organization in Asia

(Indonesia, 14-16 June, 2011)

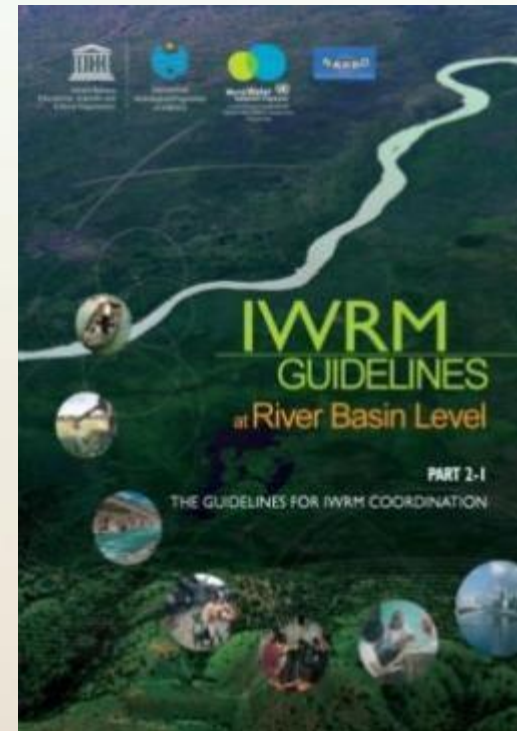
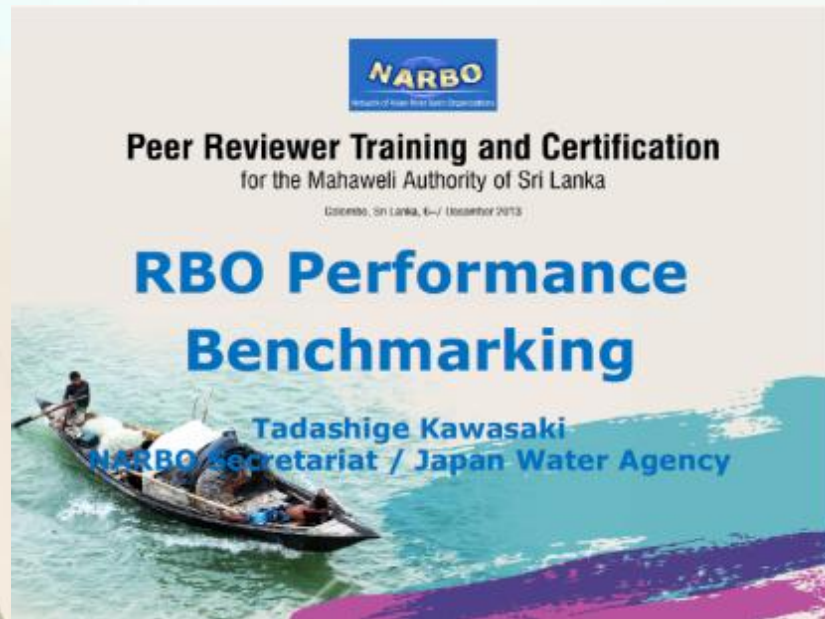
Discussion Points ; Strengthen and weaknesses of existing types of RBOs in Asia; (ii) application and performance of corporate and quasi-corporate RBOs; and (iii) how governments can determine an appropriate RBO model.



# NARBO's Tools to improve IWRM

## NARBO RBO Benchmarking

## IWRM Guidelines at River Basin Level



# Participant's analysis about NARBO



- ◆ Valuable experience, information, best practice, new approach and idea and 'Kef for Success' are shared.
- ◆ Adopted good ideas and information which participants learned through NARBO training.
- ◆ Established strong network.

# To be more effective & influential

- ◆ How experiences are shared with your colleagues ?
- ◆ “IWRM Guidelines” are useful or used for/in your organization?
- ◆ ‘NARBO Spiral’ is really useful to make IWRM Master plan or in field?



# Answering to the questions

- ◆ JWA summarized the Experience of NARBO's IWRM Training course of these years which used UNESCO's "IWRM Guidelines" as **support materials (Educational Material)**.
- ◆ Prepared 'Reference book' and 'Format of presentation' to explain 'NARBO Spiral' to colleagues in your organization.
- ◆ Participant of IWRM training is expected to be an '**Interpreter of IWRM**' in your organization by using these materials and "IWRM Guidelines".



# **Outline of support materials**

***For assisting  
implementation of  
IWRM at field***



# Outline of the Educational Material (Reference Book)

## Explanation of "IWRM Guidelines" / How to make IWRM Spiral

### Principles of IWRM guidelines at river basin level (Part 1)

IWRM guideline at river basin level Part 1 is for high level. To use this volume effectively, lecturers are recommend to consider that trainees have less knowledge on IWRM. Therefore, it is recommended that lecturers introduce the all "Key Messages" in the part 1 of IWRM guidelines at river basin level. The "Key Messages" represent tips and clues for grasping IWRM and implementation of IWRM.

### 1. Introduction

#### KEY MESSAGES

> Water is important for sustainable development

a process that leads to water  
ate water-related risks

ty:  
has access to sufficient  
able cost and is free from  
isasters to lead a clean,  
ductive life.  
[Global Water Partnership, 2000].

#### Components of each chapter

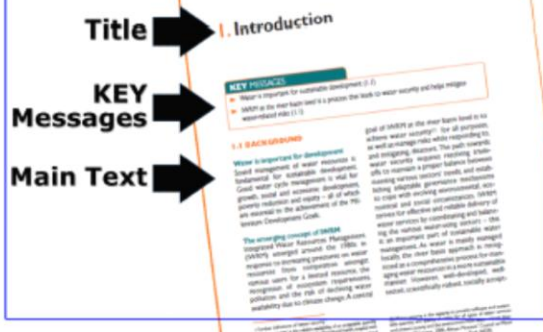


Fig Part 1 of IWRM guidelines at river basin level



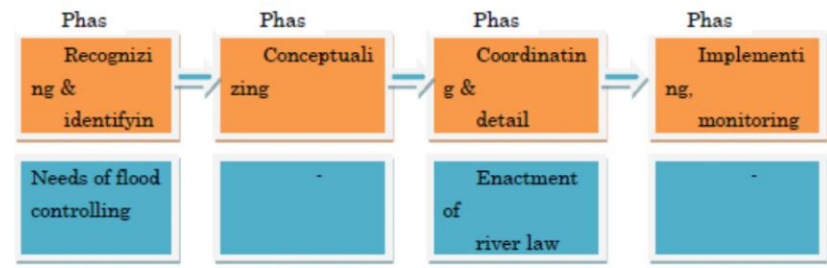
From above diagram, we can fill two points on IWRM spiral like below.



After the first major amendment of River Law, conflict was mitigated and Japan successfully continued the economic development. But in 1990' new demand was occurred among citizens. Economic development brings Japanese citizen to enjoy their life. Consequently citizen had arisen awareness of environment. The government of Japan amended the River Law to secure water environment of river.

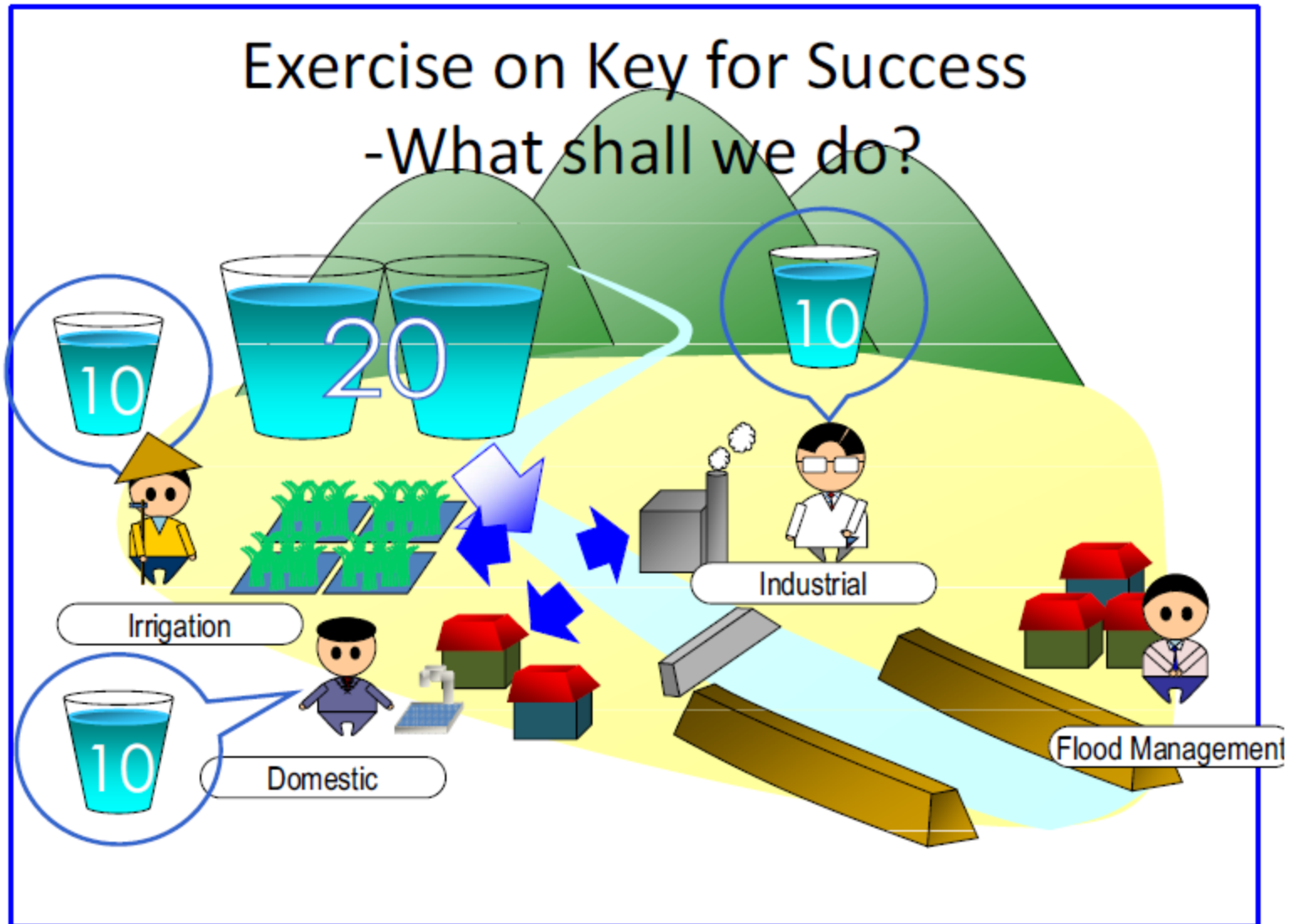
Identify Challenges : Arising awareness of environment of the public

Planning : the second major enactment of river law in Japan



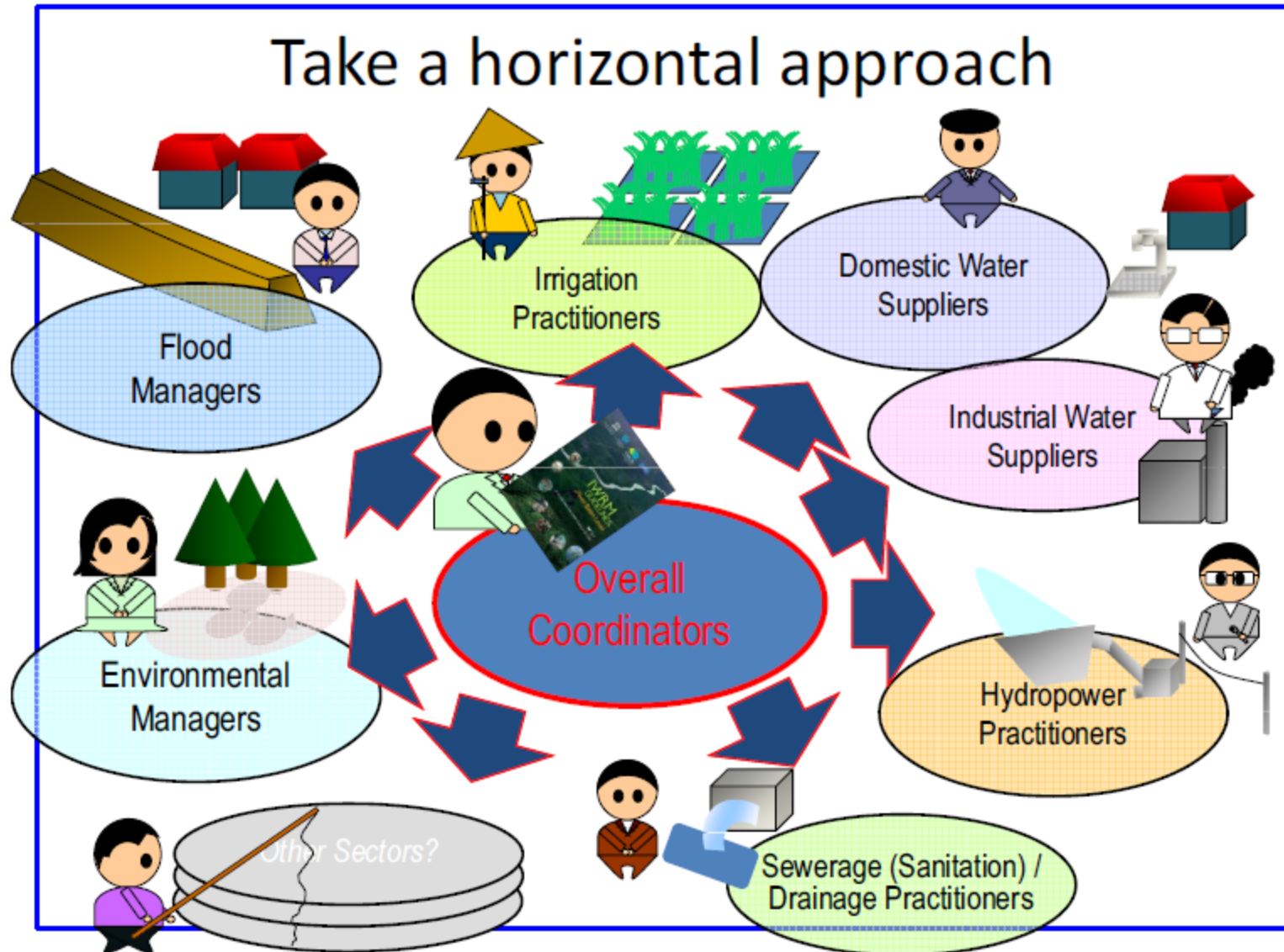
# Outline of the Educational Material (Reference Book)

Presentation slides for explanation / making 'IWRM Spiral'



# Outline of the Educational Material (Presentation Slides)

Presentation slides for explanation / making 'IWRM Spiral'



# Outline of the Educational Material (Presentation Slides)

## **Exercise**

# How do you solve this problem?



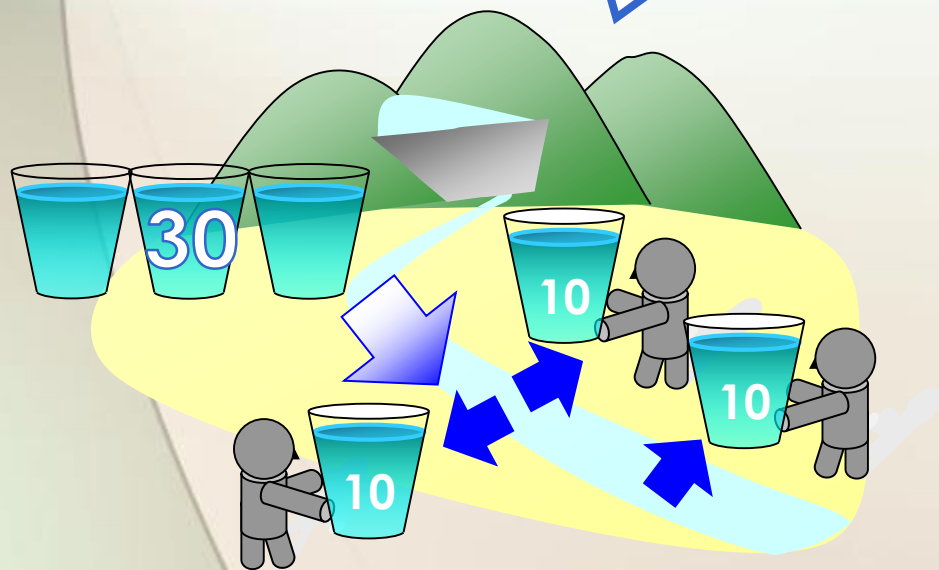
# Outline of the Educational Material (Presentation Slides)

## Exercise



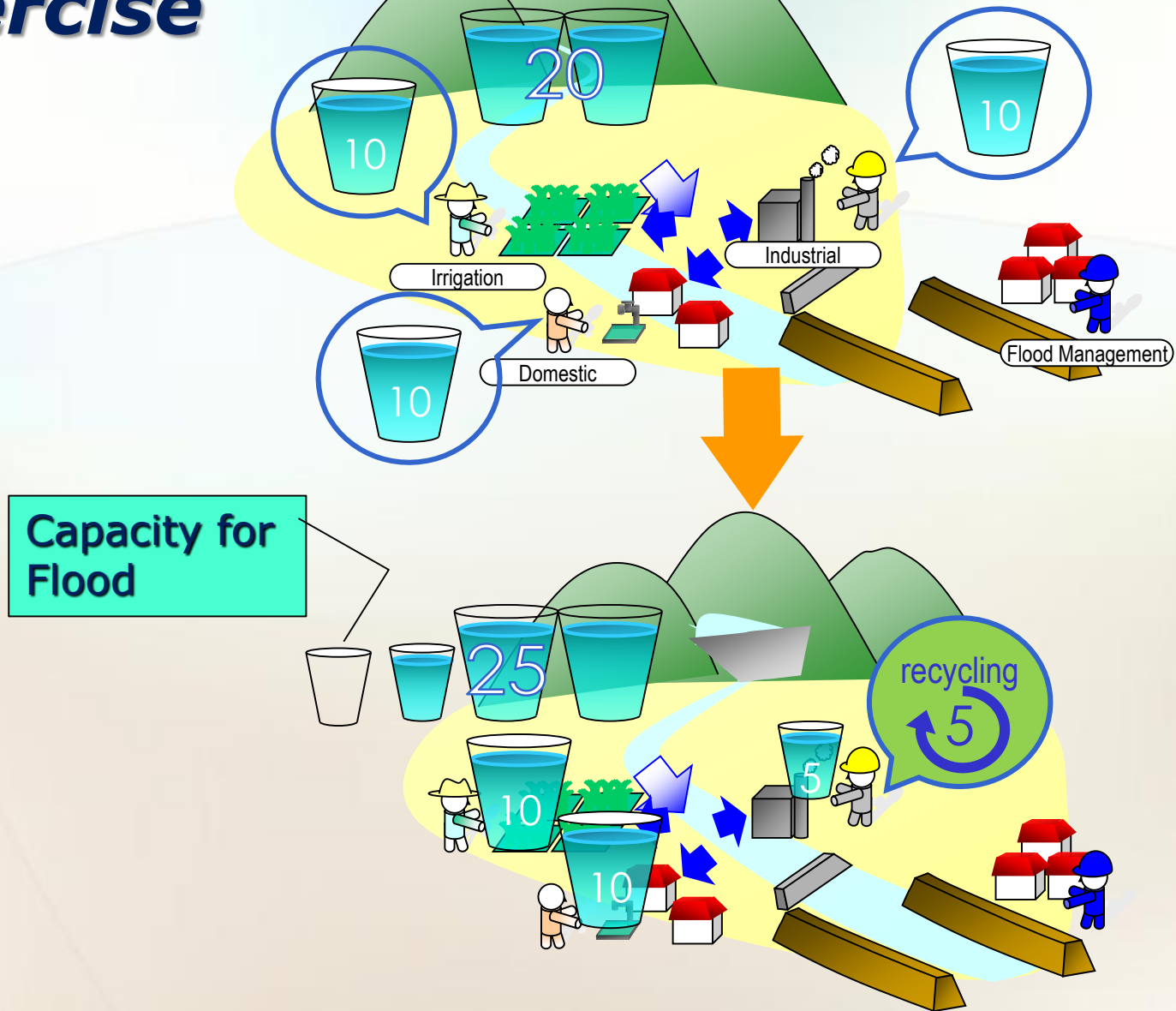
## Other solutions

- Water diversion
- Groundwater
- Recycle etc...



# Outline of the Educational Material (Presentation Slides)

## Exercise



# Special Exercise

Your proposal (possible project) / Who coordinate this situation ?

**C** Province

**B** Province

**A** Province

Irrigation

Irrigation

Flood Management

Domestic

Domestic

Industrial



# JWA's Capacity Development Activity



**IWRM Training by using “IWRM Guidelines”  
as capacity development of staff**



# Conclusion

Participant of NARBO's events to

- ◆ Organize the committee and disseminate the concept of IWRM with you colleagues.

(Internal NARBO)

- ◆ Be an interpreter of IWRM in your organization
- ◆ Please use distributed materials for your explanation by customizing.
- ◆ Explore and develop 'Key for Success'
- ◆ Share it through NARBO

**Your feed-back is highly appreciated !**



# **Discussions**

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***For effective  
implementation of  
IWRM at field***

# Discussions for improvement of support materials

- **What obstacles are there to disseminate 'IWRM Spiral' with you colleagues / in field level?**
- **Missing point ?**
- **Recommendations**



# **Requests from NARBO**

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***For increasing influence and  
enhancing active participation***

# Cooperation and Contribution to NARBO

## OECD Water Governance Initiative

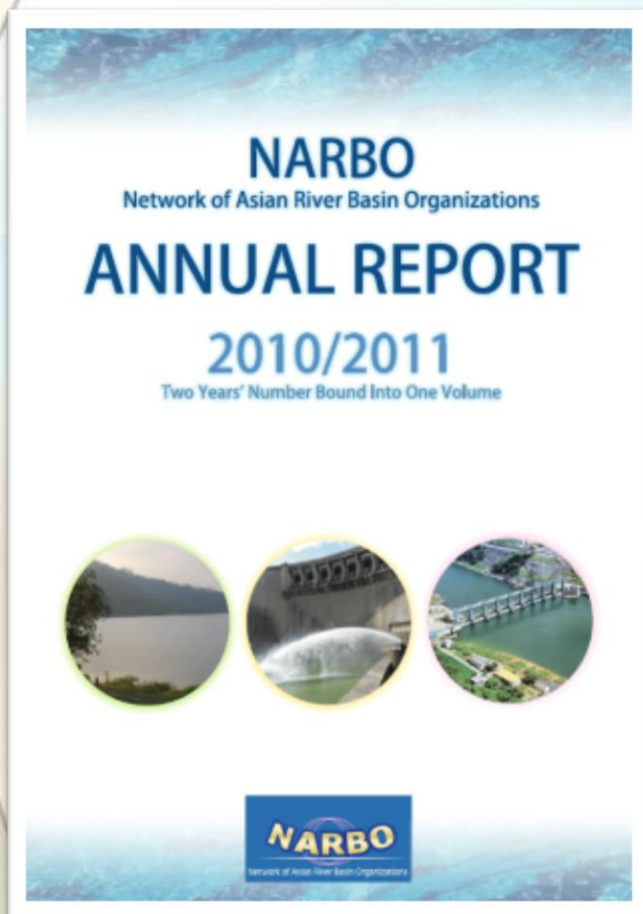
Request for cooperation to questionnaire to develop **'IWRM Indicator'** of stakeholder involvement.

<http://webnet.oecd.org/Survey/Survey.aspx?s=3a3eddf891e64d49be14c8031b16ce57>

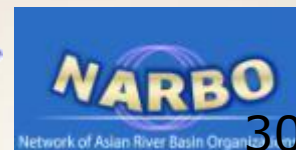


# Cooperation and Contribution to NARBO

## Annual Report (2013) & News Letter



NARBO Newsletter 24th Issue		July 2013
Topics		
News	<ul style="list-style-type: none"> <li>● NARBO secretariat members visited India</li> <li>● NARBO attended a Meeting and Workshop of WEPA</li> <li>● The 5th General Meeting was held in Chiang Mai, Thailand</li> <li>● Report on "Study Visit of the 5th General Meeting (GM)"</li> <li>● Report on "Leadership for the IWRM Process of the 5th GM"</li> <li>● Report on "Water Security in the River Basins of the 5th GM"</li> <li>● Report on "Capacity Building for the IWRM Process of the 5th GM"</li> </ul>	
Information	<ul style="list-style-type: none"> <li>● 8th IWRM Training Planned at the Mahaweli River Basin</li> <li>● NARBO launched NARBO Short Report.</li> <li>● Annual report 2010/2011 was published</li> <li>● International Riversymposium 2013</li> <li>● Online Diploma Courses on River Basin Management and Environmental Management</li> <li>● Performance Benchmarking and Peer Review Service</li> </ul>	
From Secretariat	<ul style="list-style-type: none"> <li>● NARBO Annual Report 2012</li> <li>● Your articles are welcome</li> </ul>	



# Cooperation and Contribution to NARBO

**Offer good examples or innovative activities for**

- i ; “IWRM Guidelines” for Climate Change Edition
- ii; Stakeholder involvement for OECD Water Governance Initiative (‘Water Governance Index’)
- iii; 7<sup>th</sup> World Water Forum in April, 2014 in Korea

# Cooperation and Contribution to NARBO

**24<sup>th</sup> February, 2014 was NARBO's  
10 years memorable birthday !**



1<sup>st</sup> NARBO General Meeting, Malang, Indonesia in 2004



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*Building on IWRM Good Practices*

*The Laguna Lake Basin Experience*

**Thank you very much !**

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NARBO Secretariat / Japan Water Agency

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