5th General Meeting Network of Asian River Basin Organizations

Chiang Mai, Thailand •15-18 May 2013













ADB Regional Technical Assistance 7547:Supporting Investments in Water Security in River Basins

Regional Workshop

Chiang Mai, Thailand, 17 May 2013

Improving Water Security:
Lessons from IWRM Cases in Indonesia, Nepal
and Uzbekistan

Overview of the TA

Dr. Takeyoshi Sadahiro, JWA





Contents

1. Background

- > The TA is an extension activities of NARBO
- > LOI between ADB and JWA to improve water security
- 2. Overview of the TA
- 3. Objectives and structure of the Workshop
- 4. IWRM spiral and it's application



The TA is an extension activities of NARBO to improve Water Security

NARBO: Network of Asian River Basin Organizations

Since Feb.2004 (71 organizations, 16 countries)

Goal: To help achieve IWRM in river basins throughout Asia.

Objective: To strengthen the capacity and effectiveness of RBOs in promoting IWRM and improving water governance, through training & exchange of information and experiences - - -common objective with the TA





The TA is an extension activities of NARBO to improve Water Security -Conti

RBO sit in the driver's seat

JWA, ADB, ADBI and CRBOM have lead activities as secretariat

9 years experiences in the region

5 categories of members





NARBO Activities to help achieve IWRM

1 Information Sharing Activities



NARBO ANNUAL REPORT
Network of Asian River Basin Organization
2 0 0 5

Annual Report

2 Thematic workshops



Water Allocation & Water Rights

3 Twining Program



Twining Program between JWA & Indonesia NARBO

IWRM Training



1st IWRM Training Program in Thailand 5 RBO Performance Benchmarking



Benchmarking Workshop in Indonesia

etwork of Asian River Basin Organizations

- ➤ LOI between ADB and JWA to improve Water Security
 - 1. Collaborative work of JWA and ADB of NARBO from establishment of NARBO in 2004
 - 2. Letter of Intent between ADB and JWA; 12,Jan.2009
 ADB and JWA presidents signed the Letter of Intent for further collaboration on water security improvement

Collaborative works on Technical Assistance for Water Security



2. Overview of the TA >Structure of the TA **Uzbekistan (Syr Darya River) Nepal (Bagmati River) Indonesia** (Solo River)

Component 1: Preparation for future Investment program to improve water security

Preparing future investment program to increase water security in the basin, Improving existing river basin management plans

Component 2: Capacity Development

Strengthening RBOs and relevant agencies for their capacity to cope with issues on water security and to plan and implement investment programs

2. Overview of the TA

➤ Water Security Issues and Intervention

Impact factors

- ✓ Population Growth
- ✓ Economic Development
- ✓ Urbanization
- ✓ Environment Degradation



Water Security Issues

- ✓ Water Scarcity
- ✓ Water related disaster flood/drought
- √ Water quality

Intervention

Improve/Enhance/Introduce

- Water balance-I,N,U
- Water conservation-I,N,U
- Water storage management-I,N,U
- Water rights and allocation-I
- Environmental flow-N
- Ground water management-N
- Establish and strengthen RBO-N,I,U
- Coordination scheme for IWRM-I,N,U
- O & M of facilities-I,U
- Rehabilitation/Restoration of HTS-I,U
- Information management –I,N etc.

(I:Indonesia, N:Nepal, U:Uzbekistan)

Vision

- Satisfy household water/sanitation
- Support productive economies in agriculture
- Develop vibrant, liable cities
- Restore healthy rivers/ecosystem
- •Build resilient community

Improve water governance

by AWDO

2. Overview of the TA: Flow of TA implementation

the TA (ADB-PPTA or other programs)

Step 1: Preparation ✓ Data collection, Analysis ✓ Consult with Counter Parts & stakeholders Prepare a work plan **Step 2: River Basin Profile** ✓ Survey and literature review ✓ Identifying key issues on water security **Step 5: Capacity Development** ✓ Selection of TA activity ✓ Assess capacity development needs ✓ Develop Capacity Development planning **Step 3: Conceptualizing** √ Organize OJT, seminar, and training **✓** Detailed survey relating to priority issues ✓ Consulting with C/P, Stakeholders ✓ Identifying projects/programs ✓ Demonstration activity **Step 4:Investment planning** ✓ Preparing investment program ✓ National Workshop Step 6:Regional workshop ✓ Summarize the outputs of the TA in view of IWRM ✓ Apply key for success for improve water security to the region (Next step) ✓ Apply to subsequent program : Specific programs derived from

Envisaged Output of the Workshop

- Extract "Key for success" to improve water security from the TA and share them to the countries in the region
- Identify issues and next step for your own basins of participants, and step up for improving water security in the region with NARBO Network

Key for Success

- ✓ Institutional Tools; Multi sector coordination scheme, Multi administrative territories coordination scheme
- √ Water dialogue Tools
- ✓ Decision and management tools

TA output



- ➤ Disseminate through NARBO network
- **Collaborative Work with NARBO**

- **✓** Participatory approach of stakeholders
- ✓ Cooperative work with PPTA, donors
- ✓ Apply experiences of the region for institutional, water management and engineering parts



- Contribute to strengthening the capacity of RBOs and water governance in the region
- ➤ Improve water security in the region

Objectives of the WS

- ➤ to summarize TA activities/outcome of three basins of water security improvement in IWRM perspectives
- ➤ Share issues and TA activities/outcome to the members of NARBO and countries in the region in order to contribute water security improvement

Structure of the WS--1

Opening session:

to share basic information of the TA and to get understanding for workshop process, outcome and roles of participants

> Panel discussion:

Share key issues on water security and measures against them of the three basins in the TA ---from three countries

TA outcome in view of IWRM and key factors of success---from Mr. Eric

Panel discussion to further identification of issues and what would be a key factor for success to improve water security ---input from three countries, and from discussion

Structure of the WS--2

- Group Discussion
- **Extract three themes from the TA activities and discuss**
 - a) How to strengthen RBO for it's function and effectiveness?

RBO is a key for securing water governance in the basin and also a target entity of NARBO activities --- input from the TA

- b) What is key for success to improve water security and who should act for what?--- from panel discussion
- c) What is major points of TA output worth to be disseminated (through NARBO activity and other procedures)--- input from participants of the WS before group discussion, please write your opinion what would be a key for success to improve water security in the TA
- Sharing the outputs of group discussion of each group
- Recommendation of the Workshop

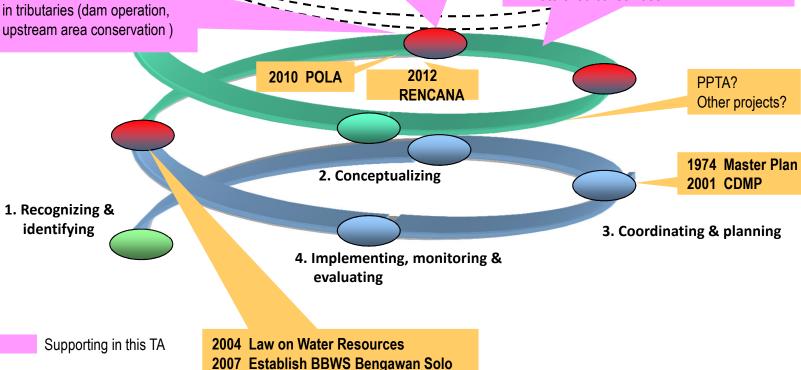
VARBO

4. IWRM Spiral and it's application (1)Solo River basin

- 1. Identify issues
 water distribution in canal system
 water resources management in tributaries (dam operation, upstream area conservation)
- 2. Water security improvement program through stakeholder consultation
- Investment (rehabilitation) plan
- Capacity development

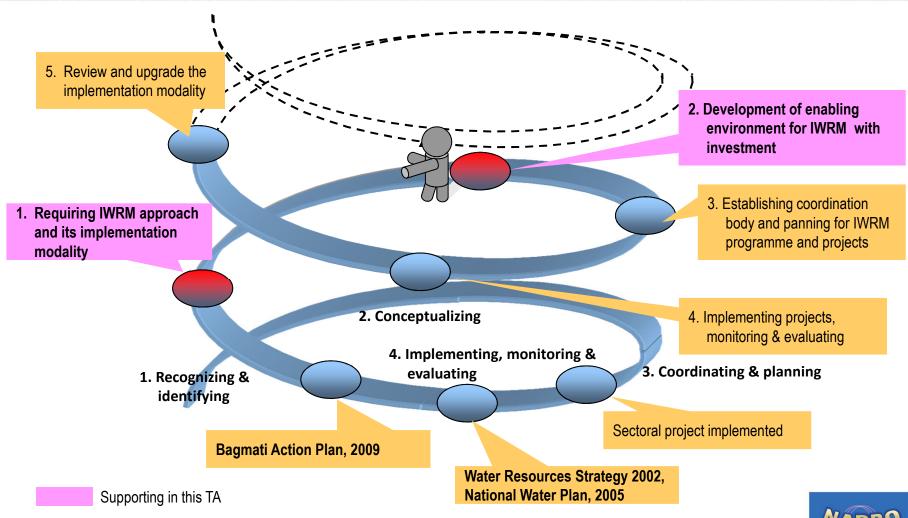
2009 TKPSDA (Basin Council)

- 3. Coordinating and planning
- Improve supply management in the canal
- Improve reservoir operation and safety management in tributaries
- Support to formulate platform for watershed conservation

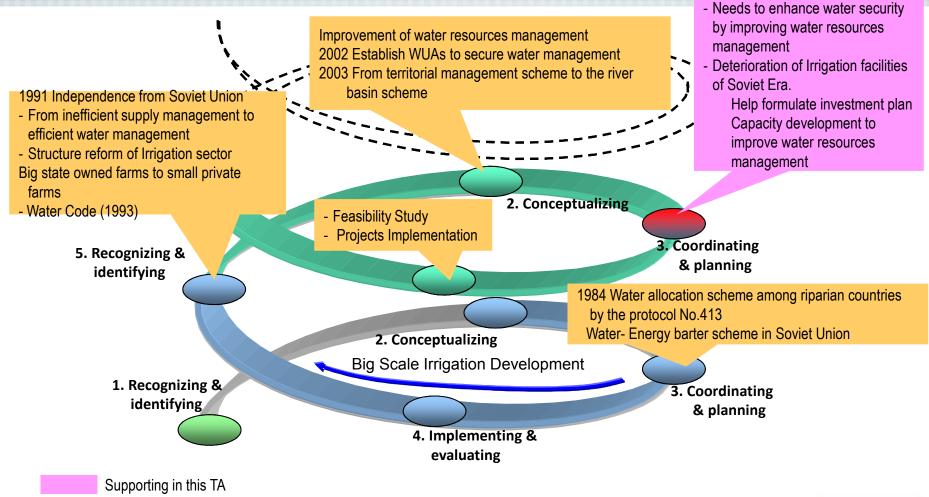




4. IWRM Spiral and it's application (2)Bagmati River basin



4. IWRM Spiral and it's application (3)Syr Darya River basin



Thank You

