

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

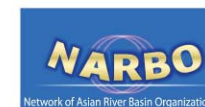
Regional Workshop

Chiang Mai, Thailand, 17 May 2013

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

Overview of the TA

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- The TA is an extension activities of NARBO
- LOI between ADB and JWA to improve water security

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1. Background

- 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



1. Background

- 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



1. Background

➤ NARBO Activities to help achieve IWRM

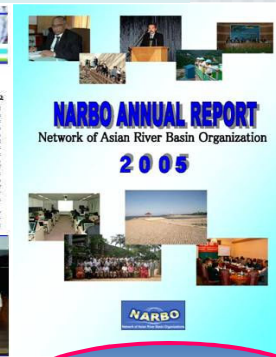
1 Information Sharing Activities



Website



News Letter



Annual Report

2 Thematic workshops



Water Allocation & Water Rights

3 Twining Program



Twining Program between JWA & Indonesia NARBO

4 IWRM Training



1st IWRM Training Program in Thailand

5 RBO Performance Benchmarking



Benchmarking Workshop in Indonesia

1. Background

➤ 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

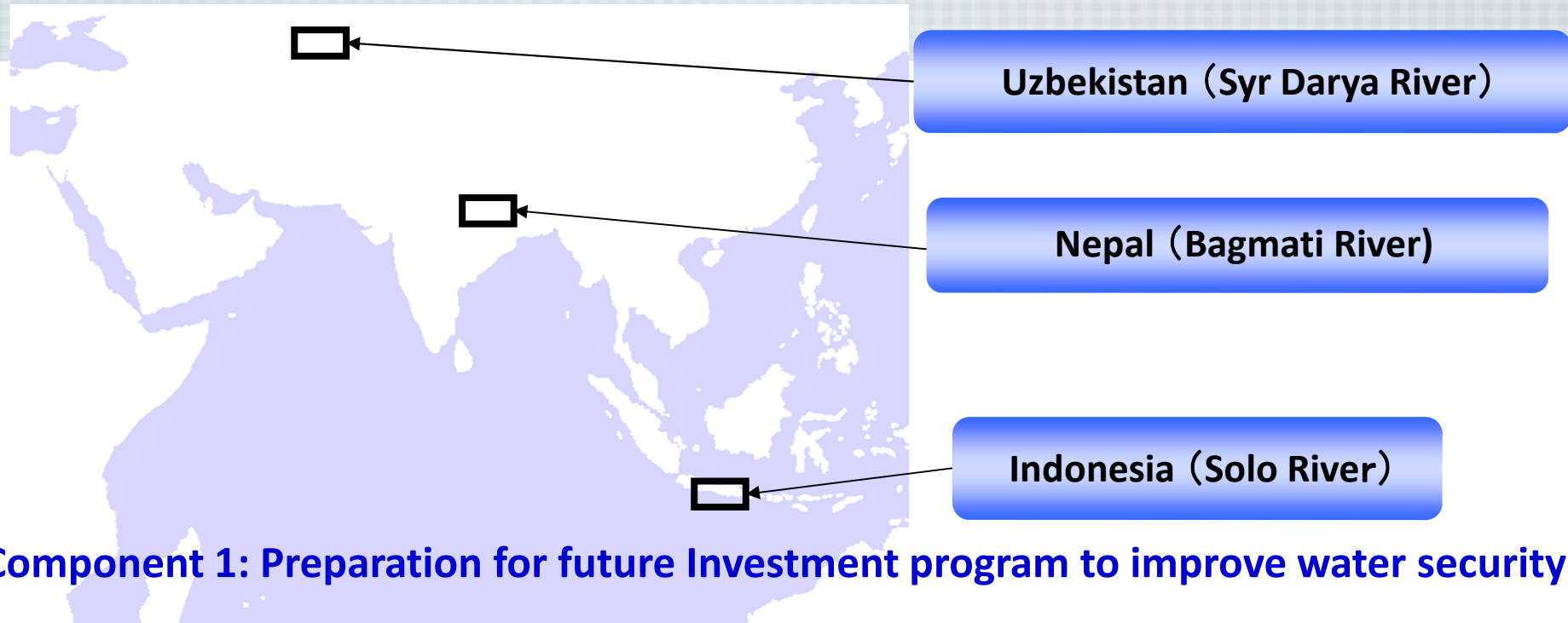
ADB and JWA presidents signed the Letter of Intent for further collaboration on water security improvement

Collaborative works on Technical Assistance for Water Security



2. Overview of the TA

➤ Structure of the TA



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)

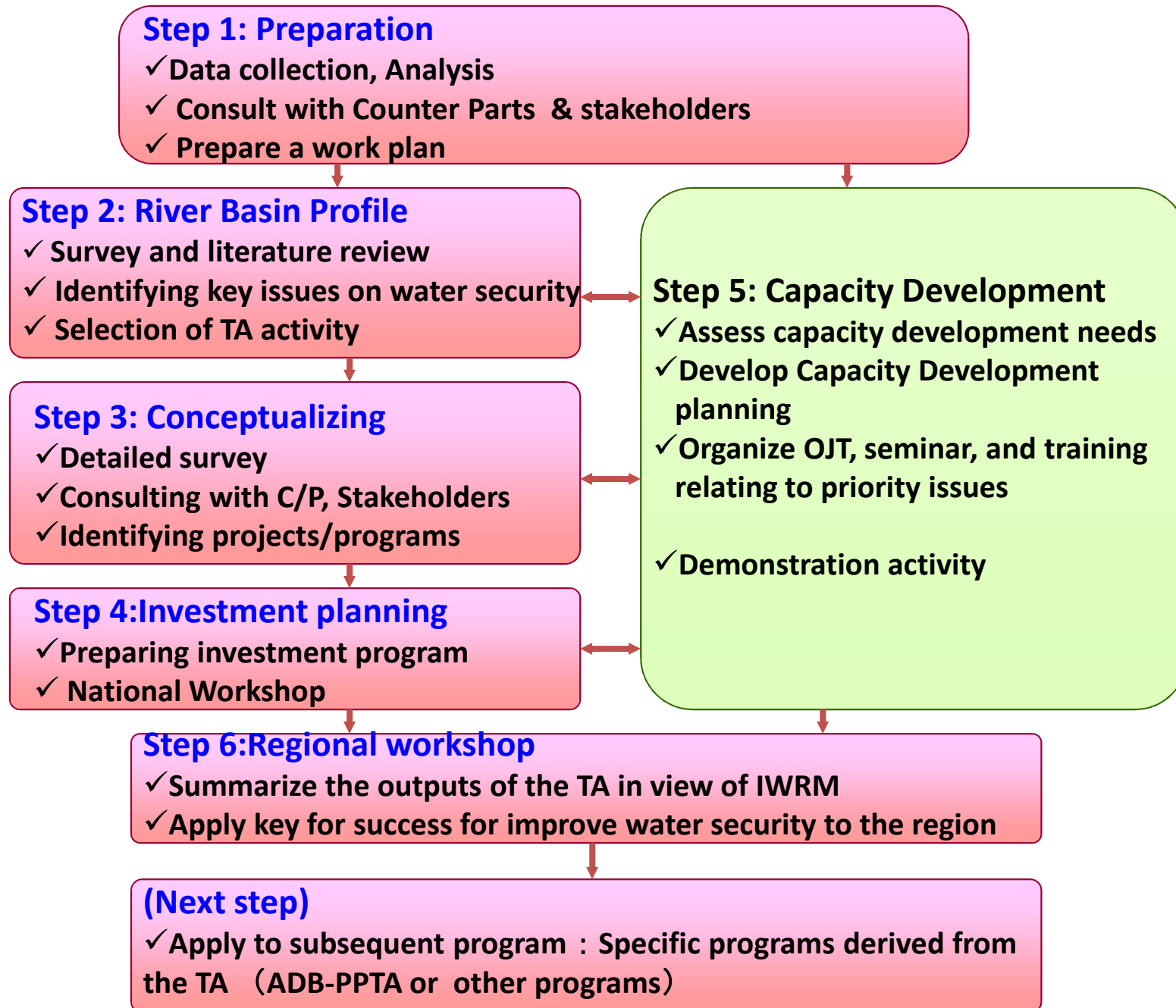
Vision

- 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

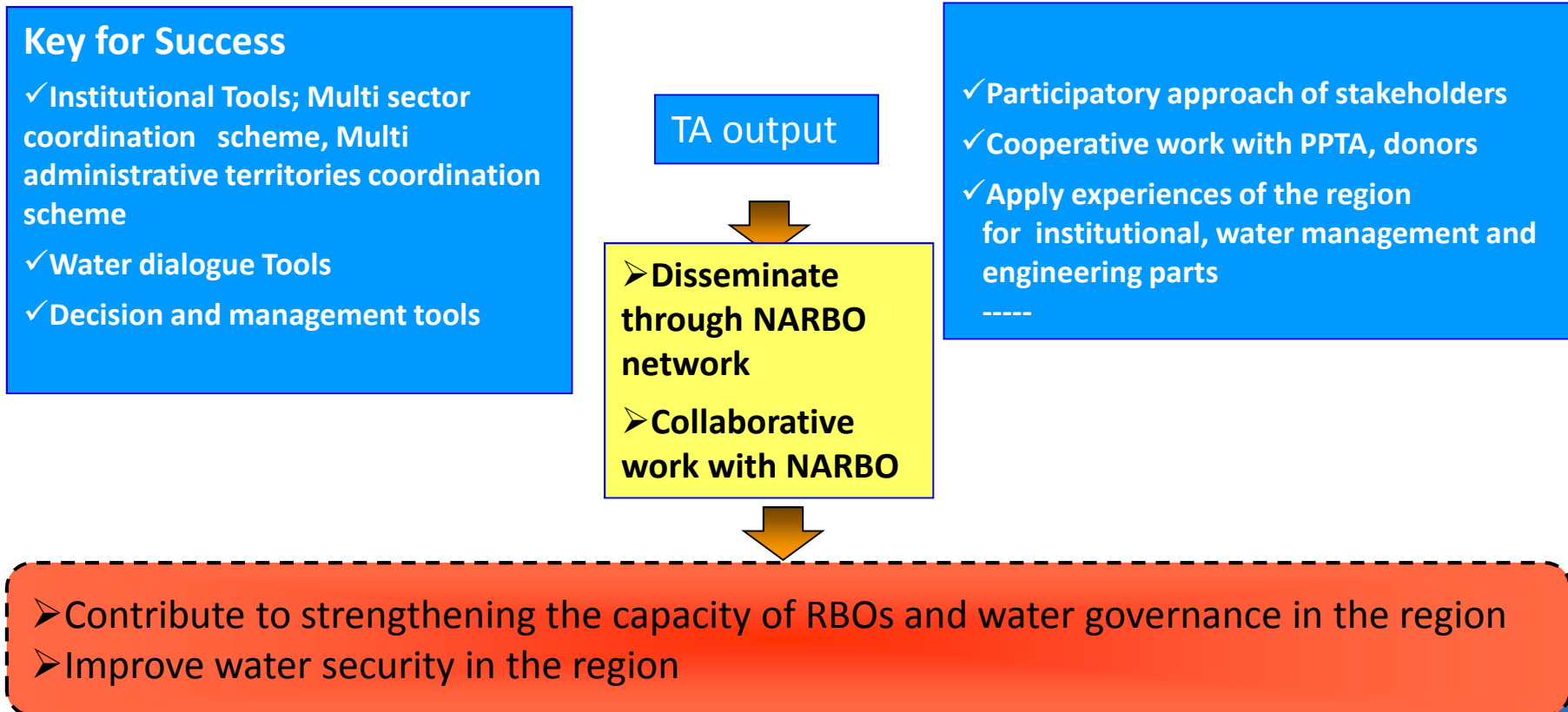
2. Overview of the TA :Flow of TA implementation



3. Objectives and Structure of the Workshop

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



3. Objectives and Structure of the Workshop

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

3. Objectives and Structure of the Workshop

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

3. Objectives and Structure of the Workshop

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

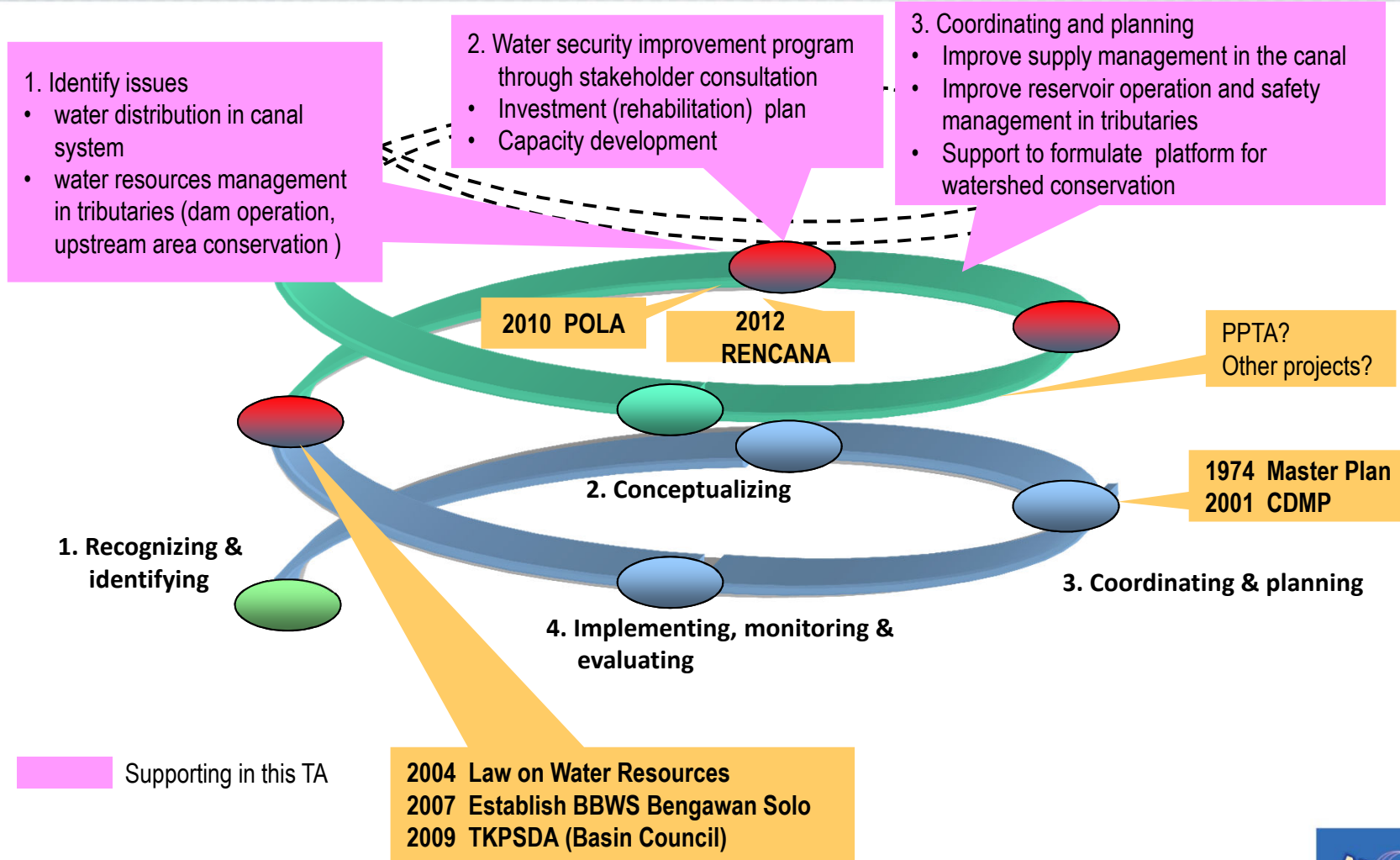
c) What is major points of TA output worth to be disseminated (through NARBO activity and other procedures)--- input from participants of the WS before group discussion, please write your opinion what would be a key for success to improve water security in the TA

◆ **Sharing the outputs of group discussion of each group**

◆ **Recommendation of the Workshop**

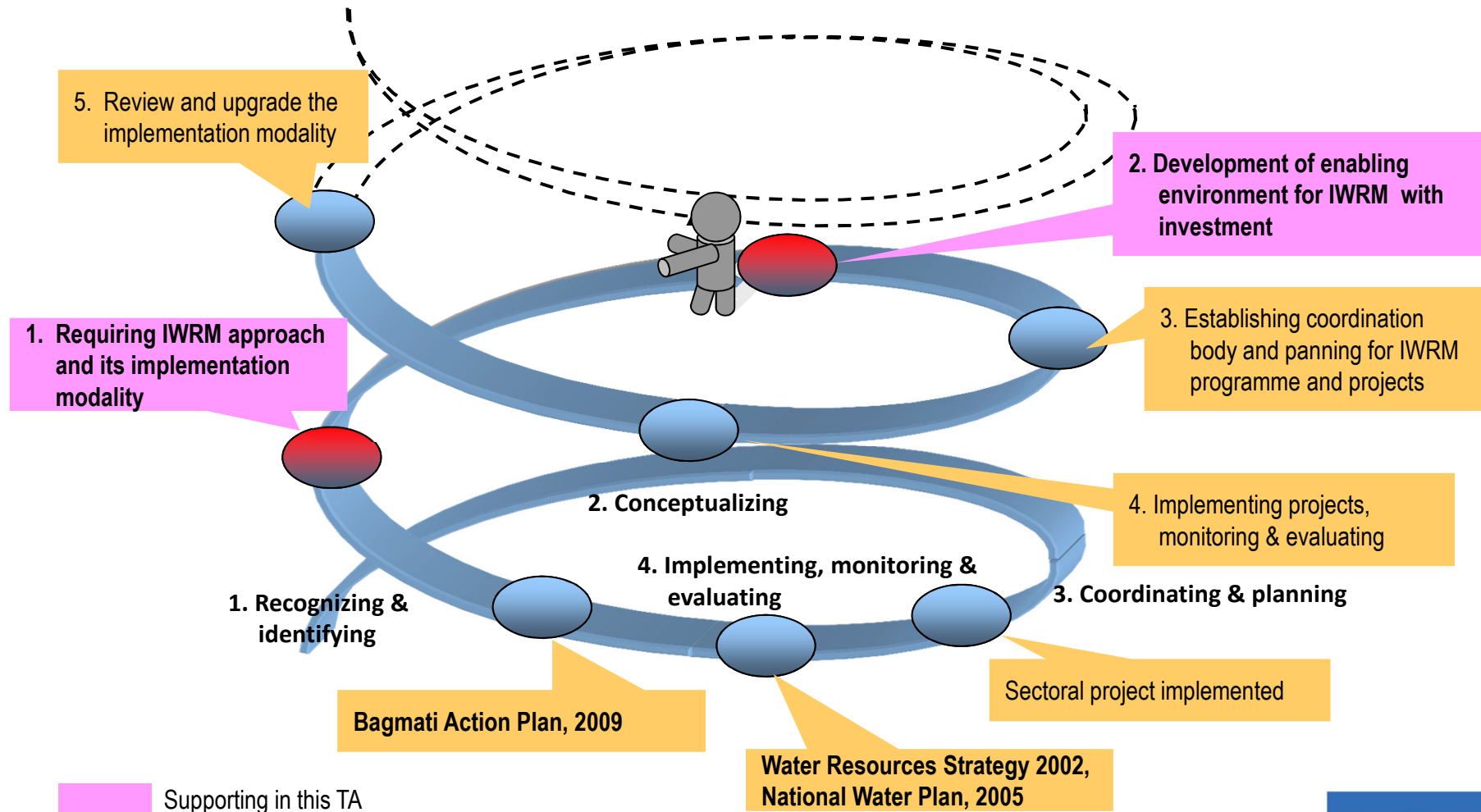
4. IWRM Spiral and it's application

(1) Solo River basin



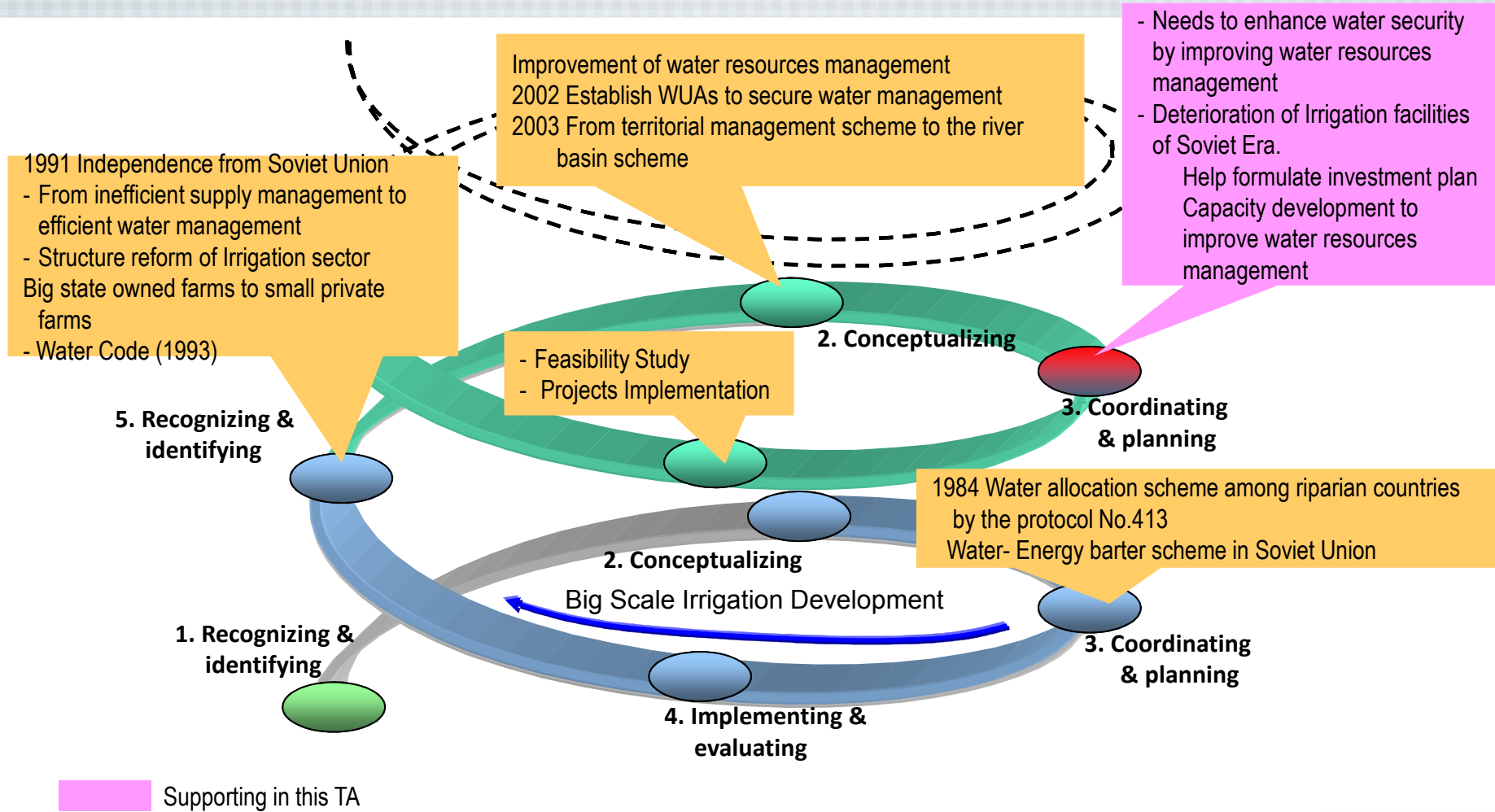
4. IWRM Spiral and it's application

(2) Bagmati River basin



4. IWRM Spiral and it's application

(3) Syr Darya River basin



Thank You