

Summary Report

ICWC Training Centre for Water Resources Management

Workshop

“INTEGRATED WATER RESOURCES MANAGEMENT IN A TRANSBOUNDARY AREA– INTERSECTORAL AND INTERSTATE APPROACHES”

November 3-7, 2003

Organized by:



Financed by:



Canadian International
Development Agency

Agence canadienne de
développement international

Canada



UNITED STATES AGENCY FOR INTERNATIONAL DEVELOPMENT

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November 2003

TABLE OF CONTENTS

1. Executive Summary
2. Introduction
3. Workshop Activities
 - A. Workshop objectives
 - B. Workshop setting
 - C. Opening of the Workshop
 - D. Workshop Papers
 - E. Workshop participants
 - F. Gender Participation
 - G. Questionnaire results
4. Minutes from the Workshop

Appendices:

- A. Workshop agenda
- B. List of participants

EXECUTIVE SUMMARY

This report memorizes a successful conclusion of the ICWC Training Center's workshop on "Integrated Water Resources Management in a transboundary area – intersectoral and interstate approaches" that held from November 3 to 7, 2003 in the main office of ICWC TC in the BWO "Syrdarya" in Tashkent, Uzbekistan.

During five days of the workshop, participants were acquainted with modern concepts of management of water resources and future trends for water resources development in the Aral Sea basin. Training included management, planning, control, protection, institutional aspects of water resources along with world and regional experiences on integrated water resources management. Each paper presentation led to discussions over presented topic. These discussions were mainly about common problems in water sectors of each country as well as local management problems participants are facing at their daily work.

Five-day training was aimed to encourage water professionals (participants) to get more involved in decision-making processes related to water development in the region by influencing regional authorities to change policies toward water resources management.

A great emphasis was given to building a cooperation strategy in the management of basin's common water resources.

The successful completion of this workshop marks the essential step required to achieve the long term objectives of the Water Resources Training Project in Central Asia: strengthening cooperation at various levels of water resources management and development of water resources in the region.

INTRODUCTION

To stop the unsustainable exploitation of water resources by developing water management strategies at the regional, national and local levels, which promote both equitable access and adequate supplies – is the pending issue for all states of the world. Break of Soviet Union faced the water management of Central Asia with many problems due to dividing one system into five independent systems.

The extent of crisis in water resources management is well known, but how to deal with it is more difficult. If effective, long lasting solutions to water problems are to be found new water governance and management paradigm is required. Such a new paradigm is encapsulated in the IWRM concept, which has been defined by GWP as ‘a process which promotes the coordinated development and management of water, land and related resources in order to maximise the resultant economic and social welfare in an equitable manner without compromising the sustainability of vital eco-systems’ (Technical Advisory Committee 2000).

IWRM explicitly challenges conventional water development and management systems. It starts with the recognition that traditional top-down, supply led, technically based and sectoral approaches to water management are imposing unsustainably high economic, social and ecological costs on human societies and on the natural environment. Business as usual is neither environmentally sustainable, nor is it sustainable in financial and social terms. As a process of change, which seeks to shift water development and management systems from their currently unsustainable forms, IWRM has no fixed beginnings and will probably never end. The global economy and society are dynamic and the natural environment is also subject to change, IWRM systems will, therefore, need to be responsive to change and be capable of adapting to new economic, social and environmental conditions and to changing human values.

IWRM is not an end in itself but a means of achieving three key strategic objectives.

- efficiency to make water resources go as far as possible;
- equity, in the allocation of water across different social and economic groups;
- environmental sustainability, to protect the water resources base and associated eco-systems.

IWRM requires inter-action of many sectors like land use, environmental protection and mining industry. As we stated above Central Asian Republics have main common sources of water, this dilemma stipulates implementing of IWRM in the region. Taking into account interests of countries and various sectors, it would be properly to develop dialogue on carrying out of interstate and intersectoral approaches.

Awareness rising and training would be pertinent tools for beginning of the dialogue among the water related specialists and improve cooperation on water resources management in the Aral Sea basin.

Taking into account needs of Central Asian Countries, ICWC TC have organized the workshop on : under financial and

This report outlines activities of the ICWC Training Centre workshop on “ Integrated Water Resources Management - intersectoral and interstate approaches ”.

WORKSHOP ACTIVITIES

a. Workshop Objectives

The main objectives of the workshop were:

- Acquaint participants with present problems of water resources management in Central Asia and the World.
- Acquaint participants with up-to-date advanced technologies in the management of water resources.
- Familiarize participants with results of the "IWRM - Ferghana" project first step.
- Create an environment and arrange round table discussions for representatives to discuss openly the critical problems related to water resources management in Central Asian.
- Development of recommendations and guidelines at some degree to ease the present tension between water users.
- Development and improvement of contacts among representatives of all the states of the region.
- Exchange of views and experiences in the field of water resources management.
- Promote mutual understanding of problems related to one country by his neighboring countries.

b. Workshop setting

The workshop was held in the ICWC Training Centre, Head office, Tashkent. Participants were accommodated in apartments located in the vicinity of the Training Centre Hall. The ICWC Training Centre organized coffee breaks, lunches, suppers and banquet. The reimbursement was provided by USAID/START/AED.

The ICWC Training Centre provided the participants with its own auto transportation for movement around the city. Participants needed in long distance travel by ground were provided with transportation by USAID/START/AED.

c. Opening of the Workshop

In the opening session of the workshop participated and addressed the participants on the issues relevant to the theme of the Workshop – Ishanov Kh.Kh, Deputy head of Water resources main authority, Prof. Victor Dukhovny, the Director of SIC ICWC.

d. Workshop papers

The copies of the training materials had been distributed among the participants in advance for preliminary review and comprehension, thus facilitating moderators in arranging further discussions.

e. Workshop Participants

The workshop participants were heads and personnel of water resources management units, NGOs, and Scientific Research Institutes. Full list available from the attachment.

(Attachment 2).

f.. Gender Participation

McGill University and SIC ICWC are committed to the policy with respect to gender equality. Although the issues related to gender equality were not specifically addressed in this Workshop, the active participation of women was encouraged. SIC ICWC has been open to McGill's suggestions regarding the participation of women in all aspects of this project. Women were involved in all of the Workshop activities, and at varying capacities including:

- Workshop participants (presented paper, active during question period).
- Planning and logistics.
- Translations (Workshop documents and simultaneous translation of presentations)
- Assistance in the preparation of presentations.
- Accounting.
- Secretary services.

Table I illustrates the participatory role of women in the Workshop.

TABLE I
WOMEN PARTICIPANTS

No	Name	Title	Participation
1	Sveta Jhuravlyeva	SIC ICWC, GIS specialist	Presented topic and actively participated during discussions
2	Azia Shamshieva	Senior specialist of Water resources department of Kazakhstan	Presented topic and actively participated during discussions
3	Gulshahira Sarsembaeva	Deputy head of Ishim Basin Water Authority	Presented topic and actively participated during discussions
4	Irina Komaristaya	Senior specialist of "Operation of hydrotechnical systems and water use" division at Department of Water management of Kyrgyz Rerpublic	Presented topic and actively participated during discussions
5	Gulnara Tilyavova		Actively participated during discussions
6	Tinatin Ozubekova	Senior specialist of Orto-tokta reservoir	Actively participated during discussions
7	Ludmila Muhina	Head Bookkeeper of TC ICWC	Actively participated during organization

g. Questionnaire results

Take it from victor

The participants were encouraged to provide feedback to the ICWC Training Centre staff with respect to the overall organization and management of the Workshop. Information was obtained

from informal discussions with the participants, and through the use of a questionnaire. The questionnaire was developed by ICWC Training Centre staff, and distributed after the completion of the Workshop activities.

Table II is a summary of the questionnaire results.

Table II

*Questionnaire
ICWC Training Centre workshop*

№№	I. QUESTIONS	Yes	No	I. COMMENTS / PROPOSALS / REMARKS
1.	Has the workshop come up to your expectations?	21	-	No comments
2	Are you satisfied with the contents of the given materials?	21	-	Too much theory.
3	Are you satisfied with the contents of lectures?	21	-	No comments
4	Are you satisfied with trainers?	21	-	No comments
5	Are you satisfied with the premises of the Training Center?	21	-	No comments
6	Are you satisfied with the equipping of the Training Center?	21	-	No comments
7	Are you satisfied with the agenda of training?	21	-	More practical training.
8	Are you satisfied with the duration of the workshop?	20	1	The duration of the Workshop should be longer.
9	Are you satisfied with your accommodation during the workshop?	18	3	It's desirable without landlord; To accommodate the participants in the same place.
10	Are you satisfied with meals during the workshop?	17	4	Lunch and supper should be organized with all the participants.
11	Are you satisfied with the administrative personal of the Training Center?	21	-	No comments
12	Are the training/supporting materials you received sufficient?	20	1	
13	What topics would you recommend to include in the training program?	Composition of Water use plan; Working with the Access program;		

14	What topics are not interesting for you and can be removed?	No comments
15	What training is required for your organization and staff?	No comments
16	Do you have any ideas on commercialization of the Training Center activities? If you have them, we would be grateful to you for your suggestions.	To use Training Centre under the conference, symposiums etc. on payment basis.

4. MINUTES

**From the workshop of ICWC TC, the University of McGill and START/AED on
“Integrated Water Resources Management in a transboundary area -
Intersectoral and Interstate approaches”**

Tashkent c

November 3-7, 2003

Sponsored by:

**Canadian International Development Agency (CIDA) and
United States Agency for International Development (USAID)**

During December 24 – 26, 2002, the seminar participants attended lectures on the theme of the “Integrated Water Resources Management in a transboundary area – Insectoral and Interstate approaches” and according to the agreed list of topics took an active part in the discussions of the regional and national water management problems. The participants developed practical recommendations on rational water use and improvement of institutional forms of water management at different levels, on the basis of various methods, forms and directions of ongoing reforms in the water sector system.

The seminar participants were representatives of province and district water management authorities and chief experts of water management organizations of Central Asian region. Representatives of NGOs and scientific research institutes also participated in the seminar. (see attachment 2).

Among the seminar moderators were: Prof. V.A. Dukhovny, Director of SIC ICWC; Director of TC ICWC – Umarov P.D; V.I. Sokolov, Deputy Director of SIC ICWC; Tuchin A.I., Pinkhasov – SIC ICWC, M.A., Shirokova Y.I. – SPA SANIIRI.

The trainees were given the seminar agenda and copies of papers to review and prepare questions for further discussions after lectures. Lectures were presented in the form of main text with use of visual aids based on the modern equipment and technologies: the video materials on various
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aspects of water resources in Central Asia, materials of implementation of projects: IWRM-Ferghana, ASB-mm; and other materials on IWRM development.

The participants noted that the seminar topics included a wide range of issues related to water resources management, efficient water use in various sectors of economy, particularly, in irrigated agriculture and reclamation.

The trainees emphasized the historical and geographical location of two main water sources (the Amudarya and Syrdarya) of Central Asia, stipulates necessity of development of regional cooperation. The workshop participants gave a positive assessment to the measures taken in the region aimed at development of cooperation between regional organizations. The workshop participants agreed to the necessity of introducing the hydrographic principle of water management, clearly identifying management functions, tasks and responsibilities of management bodies at all levels.

Reforms in water management system of some countries were held in gap from other sectors of economy. Due to this condition, new problems are rising in the activity of water specialists year by year. For ensuring of harmonization of reforms in water management and in economy of Central Asian countries, reforms should held in such a manner, that they would not harm to one sector by improving other one.

The workshop participants also made following recommendations for implementing of IWRM in the region:

a) The workshop participants noted that regional organization have not enough status for successful activity in the whole region, even the commitment on enforcement of regional organizations was stated in the Nukus and Dushanbe declarations. Also, rights of water management authorities and water users should be re-considered at the national level. There should be redeveloped a legal basis, which would facilitate to implementation of IWRM in the Central Asia. Introducing of IWRM in the region urges acceding to international conventions e.g. The United Nations convention of protec-----

Also, it was noted that, still there are not clear legal determinations of status of farms, which also make drawback on efficiently working of WUAs.

As the concrete measures for improving the administrative-legal conditions participants offered the followings:

- Improve of water law, funding and taxing policy focused to facilitating to realization of IWRM principals;
- Carry out precisely basis for enforcement of waterusers' interest in water saving;
- Determine precisely definition of rights and responsibilities of agricultural farms according to theirs ownership status;
- Advancing of WUAs legal basis;
- Water laws of countries would reach theirs objectives trough using of normatives, which could tackle issues related following directions:
 1. water-saving;
 2. water protection;
 3. requirements to technologies and for their effectiveness;
 4. principles of basin management;
 5. monitoring;
 6. administrative rights for on-site checks
 7. developing and securing of social rights to water;
 8. force-major measures;
 9. accounting of water-usage.

b) public participation in the water management plays an important role. In accordance with this fact, data access for the public facilitates the provision of rising awareness and empowerment of water users to ongoing reforms in the water management.

Also, involvement of NGOs into the process of public awareness facilitates the widening of public participation. The following levers would be used for development of public opinion on water saving:

- water campaigns and special events;
- special programs on radio and TV;
- free access to data;
- organization awareness work with school teachers and pupils;
- promotion of woman participation.

The workshop participants noted the followings as the concrete measures in this direction:

- organization of regional conferences, seminars on various water management issues related to provision of concepts of IWRM;
- preparing and dissemination of materials on concepts of IWRM through NGOs for promotion of wider public awareness in the region;
- stimulating process of public board on water issues, consisted by representatives of various levels users of water users;
- establishing of public board on basin water regulating;
- organizing of workshops in provinces for wider dissemination of IWRM ideas.

c) The workshop participants noted, that the last tendencies in the water management of CAR prove the existence of implementing of some principal IWRM in the region, e.g. basin principle of water management. Unfortunately, weak economies of CA countries do not allow sustainable development of water management. Lack of financial resources creates many problems for water specialists.

Oriented on sustainable development of water management, the workshop participants put the following practical recommendations for technical and economical provision of the sector:

- determining feasible mechanisms and sources of financing and develop basis for attraction finance from these sources;
- completing gradually technical capacity of WUAs.

d) the workshop participants have recommended the followings for provision of water saving:

- applying of water auditing between districts and provinces;
- developing mechanisms of stimulating water saving in the form of bonus payments at the rate of the State's expenses for water resources formation, immunity from taxation or other additional tangible incentives;
- developing of extension services on land certification and water productivity increasing for farmers;
- widely applying information technologies and programs in control and planning of agricultural farms;
- strictly following land reclamation requirements;
- organizing of on-farm water accounting and following of irrigation regime.

The trainees were satisfied with the content of lectures; information presented, equipment and lodgings.

The seminar participants emphasized the necessity to develop more close cooperation with the ICWC Training Center and accelerate the establishment of its local branches.

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The workshop participants express their gratitude to the employees of the ICWC Training Center, SIC ICWC, all lecturers and moderators, BVO Syrdarya and START/AED/USAID, who contributed to the arrangement of training and studying the experience in operation of water structures, abilities to develop of sectors related with issues of promoting IWRM in Central Asia.

Attachment 1. Workshop agenda

Interstate Commission for Water Coordination (ICWC) Training Centre Workshop on "INTEGRATED WATER RESOURCES MANAGEMENT IN A TRANSBOUNDARY AREA - INTERSECTORAL AND INTERSTATE APPROACHES"

Draft agenda

DAY 1: MONDAY, NOVEMBER 3, 2003

**ICWC Training Center Hall
BWO Syrdarya Building, 4th Floor, 11 Karasu-4, Tashkent 700187, Uzbekistan**

- | | | | | | | | | | |
|---|--|--|---------------------------|-------------------------------|--|---|---|---|-----------------------------|
| 10:00-12:00 | <u>Registration of Workshop Participants</u> | | | | | | | | |
| 14:00 –14:30 | <u>Opening Session</u>

<table border="0"><tr><td style="vertical-align: top;"><input type="checkbox"/> V. A. Dukhovny</td><td style="vertical-align: top;">Director, SIC ICWC</td></tr><tr><td colspan="2"><u>Greetings from:</u></td></tr><tr><td style="vertical-align: top;"><input type="checkbox"/> Mr. Abdurakhim Djalolov</td><td style="vertical-align: top;">First Deputy Minister – Head of the Water Resources Department of the Ministry of Agriculture and Water Management</td></tr><tr><td style="vertical-align: top;"><input type="checkbox"/> Professor V.A. Dukhovny</td><td style="vertical-align: top;">Director of SIC ICWC</td></tr></table> | <input type="checkbox"/> V. A. Dukhovny | Director, SIC ICWC | <u>Greetings from:</u> | | <input type="checkbox"/> Mr. Abdurakhim Djalolov | First Deputy Minister – Head of the Water Resources Department of the Ministry of Agriculture and Water Management | <input type="checkbox"/> Professor V.A. Dukhovny | Director of SIC ICWC |
| <input type="checkbox"/> V. A. Dukhovny | Director, SIC ICWC | | | | | | | | |
| <u>Greetings from:</u> | | | | | | | | | |
| <input type="checkbox"/> Mr. Abdurakhim Djalolov | First Deputy Minister – Head of the Water Resources Department of the Ministry of Agriculture and Water Management | | | | | | | | |
| <input type="checkbox"/> Professor V.A. Dukhovny | Director of SIC ICWC | | | | | | | | |
| 14:30 – 15:30 | Ecological aspects of water resources management – limiting and regulating mechanisms - First Deputy Minister – Head of the Water Resources Department of the Ministry of Agriculture and Water Management | | | | | | | | |
| 15:30 – 15:45 | QUESTIONS AND GROUP DISCUSSIONS | | | | | | | | |
| 15:45 – 16:45 | Integrated water resources management (IWRM): IWRM development in Central Asia
- Prof. V. Dukhovny, SIC ICWC | | | | | | | | |
| 16:45 – 17:00 | Questions and group discussions, summary of the first day | | | | | | | | |

DAY 2: TUESDAY, NOVEMBER 4, 2003

- 9:00 – 10:00** **Assessment of reclamation activities on desalinization in conditions of water shortage**
– M. Mirhadjiev, Chief of “Monitoring of Reclamation of lands” division, MAWR Uzbekistan
- 10:00 – 10:15** **Questions and group discussions**
- 10:15 – 11:15** **Present problems of reclamation – R. Ikramov, Director of SPA SANIIRI**
- 11:15-11:30** **Coffee brake**
- 11:30- 12:30** **Irrigation regime and water using plan**
– E. D. Cholponqulov, SIC ICWC
- 12:30 – 13:00** **Questions and group discussions**
- 13:00 – 14:00** **Lunch**
- 14:00 – 15:00** **Availabilities of increasing lands productivity on the basis of land certification results**
– S. Nerozin, SANIIRI
- 15:00- 16:00** **Development of extension service on increasing of water productivity on the example of pilot plots of IWRM-Ferghana project**
– S. Mukhmamedjanov, SIC ICWC
- 16:00 – 16:15** **Coffee break**
- 16:15 – 16:45** **Drip irrigation and conditions for its application**
- R. G. Lybar, JV SANIIPLAST
- 16:45-17:15** **Methods of saline soils management- Y. I. Shyroкова, SPA SANIIRI**
- 17:15 – 17:30** **Questions and group discussions, summary of second day**

DAY 3: WEDNESDAY, NOVEMBER 5, 2003

- 9:00 – 10:00** Transition to water management based on basin principle in the Ferghana valley – U.Azimov, Chief of Hydro-reclamation systems operation division of Ministry of Water and Agriculture of the Republic of Uzbekistan (MAWR RUz)
- 10:00 – 10:15** Questions and group discussions
- 10:15 – 11:15** The role of global water partnerships in providing integrated water resources management
– V. Sokolov, SIC ICWC
- 11:15-11:30** Coffee break
- 11:30- 12:30** Measures on advancing of water mutual-relations among on-farm water users in the current condition in Uzbekistan – O.Ibraimov, Chief of “Organization management and rational use of water resources” division of MAWR RUz.
- 12:30 – 13:00** Questions and group discussions
- 13:00 – 14:00** Lunch
- 14:00 – 15:00** Legal aspects of IWRM – D. Ziganshina, SIC ICWC
- 15:00- 16:00** New approaches in canal management on the basis of results of IWRM-Ferghana project
– N. Mirzaev, SANIIRI
- 16:00 – 16:15** Coffee break
- 16:15 – 17:15** Advancing of farming irrigation systems management in the contexts of Water Users Association (WUA)
- M. Pinkhasov, SIC ICWC
- 17:15 – 17:30** Questions and group discussions

DAY 4: THURSDAY, NOVEMBER 6, 2003

- 9:00 – 10:00** **Perspectives of socio-economic development in the Aral Sea Basin states on the basis of Aral Sea Basin-management model**
– V. Prihodko, SIC ICWC
- 10:00 – 10:15** **Questions and group discussions**
- 10:15 – 11:15** **Examples of exercises and models on water resources management**
– A. Sorokin, SIC ICWC
- 11:15-11:30** **Coffee break**
- 11:30- 12:30** **Application of information systems in advancing of irrigating agriculture**
– A. I. Tuchin, SIC ICWC
- 12:30 – 13:00** **Questions and group discussions**
- 13:00 – 14:30** **Lunch**
- 14:30 – 15:30** **Geographical information systems in irrigated agriculture**
– S. Jerevleva, SIC ICWC
- 15:30- 15:45** **Coffee break**
- 15:45 – 16:45** **Automated systems of water allocation management on the basis of SCADA systems**
– I. Begimov, SANIIRI
- 16:45 – 17:00** **Questions and group discussions**

DAY 5: FRIDAY, NOVEMBER 7, 2003

- 9:00 – 9:45** **Presentations of the participants**
- 9:45 – 10:00** **Questions and group discussions**
- 10:00 – 10:45** **Presentations of the participants**
- 10:45 – 11:00** **Coffee break**
- 11:00 – 11:45** **Closing Session: Certificate Awarding and Closing Remarks**

Attachment 2. List of participants

List of Participants

USAID CENTRAL ASIA REGIONAL TRAINING PROGRAM / ACADEMY OF EDUCATIONAL DEVELOPMENT (START/AED),
MCGILL UNIVERSITY BRACE CENTRE FOR WATER RESOURCES MANAGEMENT, CANADIAN INTERNATIONAL DEVELOPMENT AGENCY (CIDA), AND
SCIENTIFIC INFORMATION CENTRE OF THE INTERSTATE COMMISSION FOR WATER COORDINATION OF CENTRAL ASIA

ICWC Training Centre workshop November 03-07, 2003

No	Name (First-Middle-Last)	III. AFFILIATION/POSITION	Contacts
<i>Kazakhstan</i> 			
1	Asia Shamshieva	Committee on water resources of the Republic of Kazakhstan, Chief Specialist	31 Pobeda street, Astana, Kazakhstan; Tel: 8 317 59-19-25; Fax: 8 317 59-19-22;
2	Gulshakira Sarsenbaeva	Ishim basin water management authority, Deputy Director	28a Mosay street, Astana, Kazakhstan; Tel: 356464; Fax: 8 317 2 35-64-63; E-mail: ishim@at.kz
<i>Kyrgyz republic</i> 			
3	Irina Komaristaya	Department of water management, Chief Specialist	4a Toktonaliev street, Bishkek, Kyrgyzstan; Tel: 0312 42-63-42; Fax: 0312 42-63-42;
4	Almazbek Tentiev	District water resources management, Chief Engineer	Kaindy street, Bishkek, Kyrgyzstan; Tel: 03137 45380; Fax: 03137 45380
5	Tinatin Ozubekova	Orto-Tokoy reservoir management, Engineer	Kyrgyzstan, Tel: 3944 2-25-69
6	Belek Sulaymanov	Osh basin water management, Chief Engineer	234 Kurmanjan Datka street, Osh, Kyrgyzstan; Tel: 29568;
7	Askarbek Kidikeev	Training Centre in Osh, Director	234 Kurmanjan Datka street, Osh, Kyrgyzstan; Tel: (3222) 57949; Fax: 55871;
<i>Tajikistan</i> 			
8	Nabi Nasirov	Professor of TajikNIIGIM	5/1 Shamsi, street, Dushanbe, Tajikistan, Tel: 3636321; E-mail: nabi@tjinter.com
9	Husrav Tagaymuradov	Designing and reconstruction of pumping plants of the Ministry of Water management in the Republic of Tajikistan, Chief Engineer	5/1 Shamsi street, Dushanbe, Tajikistan; E-mail: khusrav@cada.tajik.net

10	Azim Hisoriev	Tajik hydrogeologic ameliorative expedition of the Ministry of water management of the Republic of Tajikistan, Chief Engineer	S. Valizov 1 street, Dushanbe, Tajikistan; Tel: 23-34-36;
11	Halim Hodjiev	Sogd province water resources management authority, Deputy Director	93a K. Hujanndi street, Hudjand, Tajikistan; Tel: 6-34-93; Fax: 6-56-82;
Uzbekistan 			
12	Maksud Sabirov	Balance of water resources of Amudarya basin irrigation system, Head of Department	Tahiatash, Uzbekistan; Tel: 8-361-572-23-46; Fax: 8-362-226-14-11;
13	Djalgasbay Uzakov	Irrigation system management of Kara-Uzyak district, First Deputy Director	24 KK-stan street, Karakalpakstan; Tel: 361-46 55-213;
14	Toshtemir Yadgarov	Irrigation system management in Amu-Zang, Head of water resources department	21/638 Amu-Zang street, Djakurgan, Uzbekistan;
15	Azamat Ahmedov	Bukhara Province Water and agricultural management	297/1 B. Nakibandi street, Buhara, Uzbekistan; Tel: 8-3652-251637;
REGIONAL ORGANIZATIONS			
BWO Amudarya			
16	Gulnara Tilyavova	BWO Amudarya, Head of division	63 Zamahshariy street, Urgench, Uzbekistan; Tel: (362) 224-04-76; Fax: (362) 224-04-76; E-mail: amubvo@rol.ru
BWO Syrdarya			
17	Ochil Muminov	Naryn-Karadarya hydroscheme management authority, Head	3 BFK street, Andijan, Uzbekistan; Tel 22-15-99;
18	Gayrat Norboev	Naryn hydroscheme management authority, Hydrometer	3 BFK street, Andijan, Uzbekistan; Tel 22-15-99;
SPA			
19	Zokir Irisbaev	SPA SANIIRI, Research Assistant	11 Karasu-4 street, Tashkent, Uzbekistan;
20	Zafar Ibragimov	SPA SANIIRI, Research Assistant	11 Karasu-4 street, Tashkent, Uzbekistan;
NGO			
21	Elmir Chembarisov	NGO Suvchi	25a F. Hodjaev street, Tashkent, Uzbekistan;

1	a) Almazbek Tentiyeu, Kyrgyz Republic b) Chief Engineer c)		
2	Strong: Weak:		
3	No		
4			
5	8		
6	All materials well prepared		
7			
8			
9			
10			
11	It is desirable to look through personnel, basis of WUAs at the district level		

1	a) Ascarbek Kidikeev, Kyrgyz Republic b) Chief of building-rehabilitating division of Osh Basin Water Management Authority c)		
2	Strong: Weak:		
3	Yes		
4			
5	10		
6	Advanced methods of tackling water management issues		
7	We have reviewed the water management issues of the region		
8	Directly, to my participation in the IWRM activities		
9	To launch e-connection among the water specialists and authorities		
10	I offer to introduce this program among the farmers and WUAs		
11			

1	a) Gulnara Tilyavova b) Water management c)		
2	Strong: the program consists all the aspects of IWRM Weak:		
3	Yes		
4	2002 2002 2003	ASDB-mm Water and climate GIS	ICWC TC
5	10		
6	This training is necessary in my further activities		
7	IWRM basis, particularly lecture on legal aspects		
8	Yes		
9	Directly, I will disseminate the gained information		
10	By advancing of information exchange		
11			

1	a) Irina Komaristaya b) no c)		
2	Strong: Weak:		
3	No		
4			
5	10		
Various modules			
6	A lot of information on results of projects which held and going in the region was received		
7	Yes, of course. I am involved in the water allocation between Kyrgyz Republic and Kazakhstan, and also in interaction of basin and district water management authorities with WUAs.		
8	Yes. Because, it augments our outlook in comprehension of water management issues		
9	To strength interaction of Scientific Research Institutes of the region for developing many alternatives solutions to current issues		
10			
11			

1	a) Belek Sulaymanov, Kyrgyz Republic b) water management c) no		
2	Strong: aspects of IWRM are given in more details, duration Weak:		
3	Yews		
4	2003	Implemetation of IWRM in Ferghana valley	Osh
5	8		
Useful and can be introduced in our job			
6	WUA development, issues of contracts among WUAs and water management authorities		
7	Yes of course		
8	Yes in some		
9			
10			
11			

1	a) b) c)		
2	Strong: Weak:		
3	No		
4			
5	8		
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1	a) b) c)
2	Strong: Weak:
3	No
4	
5	8
6	
7	
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9	
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11	

1	a) b) c)
2	Strong: Weak:
3	No
4	
5	8
6	
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9	
10	
11	

1	a) b) c)
2	Strong: Weak:
3	No
4	
5	8

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11	

1	a) b) c)
2	Strong: Weak:
3	No
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10	
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