



## Integrated Water Resources Management in the Ferghana Valley Project (IWRM-FV)

Swiss Agency for Development and Cooperation  
(SDC)

Scientific Information Center of the  
Interstate Commission for Water  
Coordination  
(SIC ICWC)

International Water Management  
Institute (IWMI)

## The Regional Knowledge Fair on Integrated Water Resources Management in Central Asia



7-8 September, 2007  
Osh city, Kyrgyz Republic

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## Executive Summary

The regional exhibition and knowledge fair titled Integrated Water Resources Management in Central Asia was held in September 7-8, 2007 in Osh City, in the building of the Kyrgyz National Drama Theater, Kyrgyz Republic.

The fair was organized by the consortium of partners – International Water Management Institute (IWMI) and Scientific Information Center of the Interstate Commission for Water Coordination in Central Asia (SIC-ICWC) that are involved in the implementation of the Integrated Water Resources Management in the Ferghana Valley (IWRM Ferghana) project that is funded by the Swiss Agency for Development and Cooperation (SDC) as its contribution to water reforms in Central Asia.

The core goal of the event was to call range of partners, relevant ministries, government agencies, water management organizations, basin system management authorities, water user associations, farmers, educational centers, donor funded development projects, non governmental organizations, water user groups, rural communities for a meeting and occasion to share IWRM Ferghana experience, exchange ideas, learn from each other, establish communication and sustainable cooperation.

The key question of the fair was how to assure the effective use of water for better productivity, higher yields, sustainable water user organizations (such as WUAs, union of water users, canal water committees), healthier environment and better living for water users. To achieve these, the project has commenced the institutional reforms at main canal level (Aravan Akbura – in Osh Province of Kyrgyzstan, South Ferghana – in Ferghana and Andijan Provinces of Uzbekistan and Khodjabakirgan in Sugd Province of Tajikistan) by introducing IWRM principles.

The organizational changes by the IWRM Ferghana project that applied IWRM concepts included following: i) establishment of single unified canal management organizations that served the purpose of management of water along hydrographic boundaries instead of administrative; ii) facilitated the participation of water users in canal governance through establishing Union of Canal Water Users; iii) promoted the state and public partnerships for joint governance over the canals; iv) established new bottom up user driven water users associations; v) used comprehensive social mobilization and institutional approach to mainstream the initiatives of water users to form, participate and manage the bottom up water organizations; vi) built capacities of water users and managers on technical and institutional aspects of new water management system.

The fair consisted of two main parts:

- 1) Exhibition of results, presentation of positive experiences, technologies of effective water use and conservation tested and sharing the knowledge through story telling;

- 2) Group discussions were organized along four main viewpoints: a) implementation of IWRM in the national level, e.g. creation of enabling political and legal environment for the changes; b) governance and participation aspects in better water resources management; c) issues concerning WUA formation and development in Central Asia; and d) role of extension services and their sustainability for better exchange, replication and dissemination of positive experiences in water and agricultural sectors.

Each section presented the results of the group discussions in the plenary session where importance of IWRM in current water situations exist in Central Asia was acknowledged by the government officials, international organizations, water managers and farmers. The outcome the concluding plenary session was a protocol where the key issues and recommendations were reported. Gender issues in achieving equitable, reliable and timely water distribution along with knowledge sharing experience from the ADB funded project titled Bright Spots were also shared, discussed and accepted as an important elements that IWRM Ferghana should consider in its further development.

This report was prepared by Jusipbek Kazbekov, Oytur Anarbekov, Kakhramon Jumabaev, Alisher Tashmatov, Konstantin Mosin and Diloram Sabirova.

## Acknowledgements

The partners – IWMI and SIC, on behalf of the IWRM Ferghana project would like to express their gratitude to the Ministry of Agriculture, Water Resources and Processing Industry of Kyrgyz Republic in the name of Soroonbay Jeenbekov and Baratali Koshmatov, head of the Water Resources Department; Administration of Osh Province in the name of Jantooro Satybaldiev and Bolot Burgeev; Osh Basin Water Management Organization in the name of Bakhyt Matraimov and Minas Askarov; Administration of Osh City in the name of Jumadil Isakov for their gracious hosting, strong organizational support and wonderful logistical assistance.

The partners wish to extend their special acknowledgement to the official representatives of the Ministry of Melioration and Water Resources of the Republic of Tajikistan and Ministry of Agriculture and Water Resources of the Republic of Uzbekistan.

The project expands its appreciation to the Swiss Agency for Development and Cooperation, especially Hanspeter Maag, Omina Islamova and Bakhyt Makhmutov for their conceptual encouragement and support, without whose assistance the objectives of the event could not be met.

The project is also grateful for the support provided by the SMID team in Osh (Kyrgyzstan) for their local coordination, hard work and excellent attendance.

## **Background – IWRM Ferghana Project**

Since 2001, the Swiss Agency for Development and Cooperation (SDC) has been supporting the water reforms in Central Asia. The financial support of the Integrated Water Resources Management Project in the Ferghana Valley was among the most important contributions of the SDC in this region. The project is being carried out in Kyrgyzstan, Tajikistan and Uzbekistan and jointly implemented by the consortium of partners – the International Water Management Institute (IWMI) and Scientific Information Center of the Interstate Commission for Water Coordination (SIC-ICWC). The project is in its third phase. The main objective of the project is to improve the effectiveness of water resources management in the Ferghana Valley by promoting institutional reforms in accordance with the Integrated Water Resources Management principles.

In previous two phases, the project developed, tested and adopted major approaches, frameworks and methodologies for introduction of IWRM to the context of the complex water management system of Ferghana Valley. A seven month inception phase (01/09/01 – 30/04/02) included the research activities of existing water management issues in the region, selection of intervention sites and design a plan of IWRM implementation suitable to different political, economical and water conditions. The key findings of the inception phase were that the state support to restructure and maintain the lower level irrigation systems is declining and are unevenly distributed in Central Asia. The increasing number of farmers due to land reforms, e.g. breaking down of kolkhozes, shirkats, sovkhoses and cooperatives into smaller private farms were leading to increased institutional gaps in water management at the district level. Inefficient water management practices are keeping water and land productivities lower than potential. This situation has strengthened the need for reforms in the water management system and to enhance capacity and awareness among water users, water managers and policy makers. As a result, possibility of testing IWRM principles at the main canal level was initiated.

The activities of project's second phase (01/05/02 – 30/04/05) were carried out in four provinces of the Ferghana Valley having similar irrigation systems – Osh (Kyrgyzstan), Sogd (Tajikistan) and Ferghana and Andijan (Uzbekistan). The project carried out its activities along three selected pilot canals – the Aravan Akbura Canal (AAC) in Kyrgyzstan being inter-district canal; Khodja-Bakirgan Canal (KBC) in Tajikistan being inter-district canal South Ferghana Canal (SFC) in Uzbekistan being interstate, inter-provincial and inter-district canal. Along each selected main canals one WUA was included in the project as well as several demonstration plots for productivity experiments. The major achievements of this phase were the

development of IWRM conceptual framework and its approval by the ministries responsible for water management in the three countries; the development of a comprehensive social mobilization approach to establish bottom up Water User Associations (WUAs); establishment of unified canal management organizations along hydrographic boundaries with alternative organizational structures of water management in all three countries. Demonstration plots showed the potential to increase water productivity by 30% only through effective water management (for details see Project Progress Report – Phase II, 2005 and External Review Report, 2005).

The current (third) phase is to consolidate, improve and generalize adopted IWRM principles in pilot canals through capacity building, training and dissemination activities. The current phase addresses the key issues related to strengthening vertical linkages, e.g. water distribution and public participation in all levels of the water management hierarchy—from tertiary (informal user groups) to secondary (formal user associations) to main canal levels (public-government partnerships) while making links to national policy. Realizing that the current legal frameworks in the countries of the region will not enable the required changes to take place in the irrigation sector, the current phase added a new component in the project—called National Policy Improvements and established a functional National Coordination and Support Groups (NCSG) to facilitate the policy uptake of project results. The main task of this multidisciplinary (inter-ministerial) group was to develop and disseminate recommendations for changes to be made at the national level (see Project Document for Phase III, 2005).

### **Objectives of Phase III**

There are two principle tasks of the current phase:

1. Advancing, intensifying and further developing the institutions created under second phase of the project and focus activities to complete IWRM structure in pilot canals for wide range dissemination;
2. Generalizing and dissemination of the managerial, technical and institutional instruments developed during the second phase of the project to the widest range stakeholders through various means of partnerships;

The specific objectives of the current phase are: i) further developing canal organizations established in Phase II through promoting government-public partnership; ii) developing and strengthening WUAs along entire pilot canals through Social Mobilization and Institutional Development approach; iii) generalizing and dissemination of the generated knowledge on improved land and water productivity through partnership linkages with local rural advisory and extension services; iv) supporting national efforts to create enabling environment for IWRM and facilitate the uptake of project results;



## Goal and Objectives of the IWRM Knowledge Fair

The main goal of the IWRM Knowledge Fair was to discuss the IWRM Ferghana project achievements with broader audience with two objectives in mind:

1. To share knowledge gained by the project stakeholders, farmers, canal specialists, WUA managers and WUG leaders with the relevant colleagues from other regions, provinces and districts of the Central Asia;
2. To invite range of partners, relevant ministries, government agencies, water management organizations, basin system management authorities, educational centers, donor funded development projects, non governmental organizations, rural communities to share their IWRM experiences, exchange ideas, establish sustainable cooperation and communication.

The focus of the was the effective use of water for better productivity, higher yields, sustainable water user organizations, healthier environment and better living for water users. To achieve these, the project has introduced the institutional changes at main canal level (Aravan Akbura – in Osh Province of Kyrgyzstan, South Ferghana – in Ferghana and Andijan Provinces of Uzbekistan and Khodjabakirgan in Sugd Province of Tajikistan) by introducing IWRM principles.

The organizational changes by the IWRM Ferghana project that applied IWRM concepts included following: i) establishment of single unified canal management organizations that served the purpose of management of water along hydrographic boundaries instead of administrative; ii) facilitated the participation of water users in canal governance through establishing Union of Canal Water Users; iii) promoted the state and public partnerships for joint governance over the canals; iv) established new bottom up user driven water users associations; v) used comprehensive social mobilization and institutional approach to mainstream the initiatives of water users to form, participate and manage the bottom up water organizations; vi) built capacities of water users and managers on technical and institutional aspects of new water management system.

The following speech by the Deputy Governor of Osh Province of the Kyrgyz Republic shows the importance and scale of the event – “Dear ladies and gentlemen, representatives of international organizations and projects, official representatives of Central Asian republics, leaders of water management organizations and WUAs! Dear guests! On behalf of all Kyrgyz People let me welcome you in the opening of the regional exhibition-fair, which is dedicated to the considerable matter of Introduction of IWRM principles in Central Asia. As you may all know that water resources are vital for all Central Asian countries. Water connects us, water brings prosperity and wealth to our homes. But if we want water to please us we also shall treat water the same way – use it wisely and rationally. To achieve that CA countries and International community are successfully implementing projects to help our farmers to use water with more effect. One of such positive instances of better water management can be surely mentioned is the regional IWRM Ferghana Valley project with generous financial support by the Swiss Agency for Development and Cooperation and sensationally implemented in Tajikistan, Uzbekistan and our Kyrgyzstan”.



## Participation and Exhibition

More than 300 local farmers, WUA representatives, district and provincial water management organizations have attended the seminar and took active part in the knowledge sharing process with their inputs in sharing their experiences and questions to the project staff and stakeholders.

Over 15 international organizations and development projects have participated in the whole event and provided valuable feedback, comments to the project tools, concepts and results. The positive experiences and practical advantages were also shared through on site meetings, presentations, posters at the exhibition hall and involvement in the discussion sessions. The following international organizations and projects were present in all sessions of the event: SDC, World Bank, ADB, ZEF, WUASP (Winrock International), Mercy Corps, ARIS (WB), GTZ (Germany), On Farm Irrigation Project by WB, , IWMI, ACTED (France), Swiss College of Agriculture, Development Research & Planning (Swiss), GOPA (Vocational Education, Germany) and ADB funded Bright Spots project (IWMI, ICARDA, ICBA).

7 Central Asia academic universities, technical schools and research institutes have been present at the meeting. These are Tashkent Irrigation and Melioration Institute, Osh Agrarian Institute, Tajik Technical University, Markhamat Hydromelioration College, Kyrgyz Research Institute for Agriculture, Kyrgyz Research Institute of Irrigation, Scientific Information Center of ICWC.

The following agricultural extension services present in Central Asia also took part in the exhibition and discussion sessions – TES (Training and Extension Services, Osh), RAS (Rural Advisory Services, Osh), APPR NAU (Agricultural Extension, Sogd, Tajikistan), CECI (Canada) and Enza Zaden (Seed Technology, Netherlands), MEDA – Tajikistan, Consultative and Training Center on WUA Development (Ferghana, Uzbekistan), Association of Agro-businessmen of Kyrgyzstan – Jer Azigi.

Exhibition had total of 30 booths organized into the following groups:

1. IWRM project experience (7 booths – IWMI, SDC, SIC-ICWC, IWRM Basic in CA, Components: Canal, WUA, Water Productivity below WUA)
2. WUAs (12 booths – Uzbekistan: Akbarabad, Ma'shal, Khojibek-Zoirjonobod, Omad Zilol, M.Ismoilov; Tajikistan: Tojikobod, Madaniyat; Kyrgyzstan: Japalak, Joypas, Isan, Murza-Aji; WUAs in Osh Province Supported by OFIP, WB)
3. NARES (2 booths – Tashkent Irrigation and Melioration Institute, Osh Agrarian Institute)
4. International organizations and projects (9 booths – Mercy Corp; WUASP – Winrock International, ARIS, TES, RAS, GTZ, On-farm Irrigation WB, MEDA, SIGMA – Hydro-Engineering Consulting Company, Kyrgyzstan, Bright Spots project supported by ADB).

For detailed list see the appendixes.

## Knowledge Sharing – Group Discussions

### Group 1. Facilitating the political and legal climate for IWRM implementation at national level

Participants:

1. Koshmatov B.T. - Director of the Water Resources Department of the Ministry of agriculture, water resources and processing industry of the Kyrgyz Republic
2. Hanspeter Maag – Head of SDC for Central Asia
3. Herath Manthrithilake – Head of IWMI Sub-Regional office for Central Asia
4. Victor Dukhovny – Director of SIC-ICWC
5. Tirandozov A. T. – NSCG Coordinator Tajikistan, Head of Department of Water Resources, Science and Technology under the Ministry of Melioration and Water Resources of the Republic of Tajikistan
6. Nazarov T. H. - Director of Ecologic Research-and-Production Center under the Ministry of Agriculture and Nature Protection of the Republic of Tajikistan
7. Mamataliev N. P. – NSCG coordinator for Kyrgyzstan, Director of Kyrgyz branch of SIC-ICWC
8. Mahmutov B. - Coordinator of Swiss Agency for Cooperation and Development, Bishkek
9. Azimov U. A. - National coordinator of NSCG, Uzbekistan
10. Asatov M. A. - Head of Batkent BWD, Kyrgyzstan
11. Askarov M.A. – Acting Head of Osh BWD, Kyrgyzstan
12. Tashmatov A. A. - IWMI consultant in charge of release of series of political guidelines

#### **For the Republic of Tajikistan: Nazarov T. H., Tirandozov A. T.**

Reforms of agricultural farms in Tajikistan go in accordance with the main plans accepted by the strategic development of water sector in Tajikistan that includes IWRM section. Given strategy includes the whole IWRM section as well as principal changes and trends of reforms, which are reflected in the important governmental documents according to IWRM development plans. At present we face the problem of harmonization of new approach to acting legislative norms. Transition to IWRM has to have a comprehensive approach, unique interconnection and interaction with other trends of economic development of Tajikistan.

Its gradual and full-scale incorporation is required, which demands consideration, editing and modification of existing legislature, inclusion of reasonable changes into laws on nature protection etc. It is noted that IWRM is not harmonized in the acting legislative acts. Proper alterations have not been introduced to codes. Legal and juridical basis has not been worked out completely, and the issue of legal training of population stays unresolved, especially in terms of water law and others.

The problem of fortification of newly established institutional structures of IWRM (WUA) requires its resolution, also the problem of their finance support, reinforcement by human resources, ensuring favorable facilities and environment as well as logistic support.

The law on WUA has been passed, which demands significant modifications and is not interconnected with other legislative acts and sub-legislative documents.

The elaboration of finance mechanisms for WUA and procedures of collection for irrigation services has not been completely implemented. Same gaps are observed in a set of other laws, like the law on nature protection that represents an obstacle.

There is also a set of positions that require review of approaches and politics moving towards goals of millennium. Some of the important steps on the way to reaching goals of millennium are such as the problem of decreasing the level of poverty, enhancing livelihoods in rural areas, where IWRM plays an important role.

At present the state committee is operating and its objective is to prepare proposals on making changes in a new law on WUA, passed this year. The committee includes the representatives from State Commission to Restructuring and Assistance to Agricultural Reforms of Tajikistan, hence the work on elaboration of a set of proposals is being held on enhancement of WUA activity and establishment of sustainable conditions.

One of the main achievements of implementing IWRM experience in Tajikistan is application of informatized accounting and information processing in canal control dispatch system that allows carrying out data collection and information processing on water use situation over the total canal length and 24 hours a day. That activity of the project represents managerial instrument as one of the IWRM sources, ensuring information accessibility and transparency.

New institutional structures have been established (Union of Canal Water Users and Canal Water Committees), WUA Councils and directorates, also WUGs closely cooperate and carry out consistent activity on IWRM progress. However, due to underdeveloped and poorly elaborated legal mechanisms the need in its updating and modification has evolved, which requires active efforts. NGCS takes an active part in the process of project implementation and promotion of newly developed structures to gain its niche of viability and role in new terms of water resources management.

As regarding to water users and the level lower than WUA – like farming households, according to law about its establishment and regulation of its interrelations with other economic units and state authorities we have a number of problems in relation to that, which can be resolved on a state level. Currently a special state committee discusses the issues of farms' debts

discarding which date back to times preceding independence and reorganization. Ongoing futures debts (debts of so called investors transacting between the bank and the farmer, who severely dictate their terms of cultivating particular crops like cotton and have specific peculiarity in part of their juridical framework – such contracts are considered as private and are not subject to state authorities interference). Conclusion is being held in accordance with standard procedures and is of voluntary nature and has legal grounds.

In a given case reasonable alternative measures can be accepted as referring to the expertise of the countries that successfully use finance and credit operating levers of impact and fortification of those neo-formations (micro crediting – establishing of credit unions, functioning of special farmers banks that work particularly with farmers and extending credits to those etc.). Gradually the present process is to find its civilized and reasonable application in view of observing the right and consistent resolution and with support from the side of the government competent authorities (Central Bank, Ministry of Finance and other structures). Among basic problems in WUA development in Tajikistan openly expressed is the view of the irrigation services payment mechanism. This aspect has not been worked out completely and does not stimulate the work of WUA. Not long ago the department supporting WUA activity attached to the Ministry of water resources and melioration started to function headed by an experienced person in the ministry system, the former deputy prime minister of the Republic of Tajikistan Eshmirzoev I. E.

**For the Republic of Kyrgyzstan: Mamataliev N. P., Asatov M. A.**

In Kyrgyz Republic where Water code and law on WUA have been active for few years, WUA development work has been carried out with significant leading. The joint control body CWC of Aravan Akbura main canal was among the first to start functioning. UWU is operating that includes state and public water resources management organizations that take part in canal management. An agreement has been signed between Osh BWD and UWU of the Aravan Akbura main canal for the purpose of the joint water resources management, as a legal ground for converting to IWRM of the whole basin.

By the efforts of NGCS the work has been held in order to prepare Government Decree on acceptance of strategy and spread of pilot sites IWRM experience to other parts of the country. Also the matter of setting-up water resources board and coordination of its interrelations with newly established structures of joint water resources management in Kyrgyzstan in compliance with acting Water Code is facilitated by NGCS. Result of consecutive work of NGCS in this direction was acceptance of the Order of Department of a water management of the Ministry of rural and water management and processing industry on creation of watermanagement advice

on the main canals, are lead two round tables in Osh and Batkent. The project experience shows the readiness for wide dissemination and exchange with other projects.

Activity is conducted on distribution of experience of main canal Aravan-Akbura on next main canal "Uvam" where already by means of the project bodies of joint management of the canal - WUAs are created.

On strengthening WUA by experience of Aravan-Akbura WUGs are created on taps, explanatory work is conducted, and advice WUA become stronger.

Duplication of experience of CMO/CWC on one additional canal in each of three states together with National Group on Coordination and Support (NGCS) and other donors. To exchange and distribute experience of the present pilot canals to other donor projects Distribution of experience of IWRM introduction on other irrigational systems. Mutual relation of WUAs with water-users, water management organizations and regional hydromeliorative expedition are established. Expansion of awareness activities among water-users and other interested parties are being carried out. Distribution of reports of sessions of UWU and CWC, bulletins, etc. Realization of management by water-distribution on pilot canals on the basis of principles of validity, uniformity, stability and efficiency.

Results of III phase of the project on: a) improvement of legal base on creation and functioning of WUA b) perfection of water resources management at WUA level c) the decision of problems of land reclamation and use of collective-drainage waters on irrigation of the grounds d) improvement of the organization of repair work in WUA e) improvement of WUA financial and economic activity f) involving water-users in managerial process, planning and use of water and material-drainage means in WUA, etc. To provide regular discussion with the interested departments and the state bodies of questions on distribution and realization of IWRM in scale of the country. Questions of state support of WUA - as a key part of IWRM. To prepare the draft of the decision of the Government about acceptance of IWRM strategy and distribution of experience of the pilot canal, to participate in preparation of projects of the documents, concerning reforms in rural and water management the project experience was handy.

NGCS promote process at the national level with the purpose to adjust process of dissemination of experience of joint management by the pilot canal and other objects in scale of the country.

#### **For the Republic of Uzbekistan: Azimov U. A.**

In Uzbekistan as a consequence of stage-by-stage reforming in agriculture starting from this year the farming households became prevailing and on territory of shirkats the WUAs were created, as assignees of an irrigational and watermanagement infrastructure at this level.

According to accepted governmental orders all watermanagement system of the country has been transferred to basin hydrographic method, corresponding structures of management at the level of basin management have been established. Implemented by IWRM Fergana project in Ferghana area WUA have served as original newly created model on the basis of restructured shirkats.

In view of occurrence of complex conditions in water delivery by government decision of the country the Concept on water-saving programs on improvement of meliorative condition of the irrigated land for the period of 2008-2012 and the law about WUA has been developed. Parliament of the country is going to consider in 2008 the Water code of the country. Under initiative of NGCS for preparation of the given documents recommendations and offers are given to the working groups created under the Order of the President and the Government of the country. In essence by given documents the government of the country pawns the basic directions of water management and meliorative actions for 2008-2011.

Experts from NGCS transferred a bill about WUA for the coordination and also worked out offers for programs of improvement of meliorative condition of the irrigated land and water-saving in all branches of economy for the period of 2008-2012 on short-term and long-term prospects.

## **Group 2. Public participation as an important element in water resources management**

15 people participated in the session of section 2, representing:

1. IWMI
2. SIC ICWC
3. CWC of KBC
4. UWU of SFC
5. AACMO
6. KBCMO
7. UWU of KBC
8. UWU of AAC
9. District WMOs from Kyrgyzstan

1. Under the offer of the leader of TSR component Rysbekov J. H. the management of work of section 1 has been assigned to the leader of "Pilot canals" component Mirzaev N. N.

2. Mirzaev N.N. has suggested leading work of the section in following sequence:

1. to exchange experience on introduction of IWRM principles on pilot canals
2. to assess achievements of the project on the field
3. to give offers on distribution of experience on introduction of IWRM principles on pilot canals

3. Speeches given by:

- a. Mirzaev N. N. («Pilot canals» component leader)
- b. Rysbekov Yu. H. (TSR component leader)
- c. Khodjiev H. R. (Head of CWC of KBC)
- d. Abdusaminov A. (Head of UWU of KBC)
- e. Sayfitdinova M. (Head of UWU of SFC)
- f. Rustamov R. (Head of SFCMO)
- g. Oytiev K. (Head of Aravan DWMO)
- h. Makhsudov M. (Head of CWC of SFC) and others

4. During session the following questions have been raised:

- a. What is the public participation and ways of introduction of this principle to the practice of water resources management in CA countries;
- b. Problems and functions of UWU, CMO, CWC;
- c. The basic achievements of the project at pilot canals;
- d. An estimation of the project impact;
- e. Stability of achievements of the project;
- f. Ways of dissemination of achievements of the project;

5. Decisions of Section 2

a. The basic achievements of the project are:

- transition from an administrative principle of management of pilot canals to hydrographic principle: three types of management of pilot canals were created: CMOs for SFC, KBC, AAC;
- representatives of allied industries are involved in the process of water management (ecology, drinking water supply, power engineering)
- the Unions of pilot canals water-users were created: SFC, AAC, KBC;
- legal registration of UWU of AAC, UWU of KBC, and UWU of SFC has been achieved;



- the principle of joint water management on pilot canals was realized: contracts about joint governance between UWU and State were signed;
- water management is carried out by Water committees such as AAC, SFC and KBC (and their CWCs), consisting of representatives of the higher state water management organization (WMOs) and water-users UWU;
- on 10 hydrosections of SFC the branches of UWU were established;

For improvement of water management a tool "MIS-Ferghana" has been developed, which allowed:

1. to make and correct plans of water-distribution
2. to conduct monitoring and estimation of water-distribution by means of parameters of water-distribution
3. operative and total indicators:
  - water-security
  - stability
  - uniformity
  - efficiency
  - total indicators
  - specific water intake
  - specific water-submission
  - productivity of irrigation water, etc
4. The estimation of the project impact shows, that institutional and technologic institutional achievements have led to improvement of quality of water management on pilot canals
5. Unique for CA countries experience of transition to joint water management on pilot canals deserves distribution as across (to other main canals), and on a vertical (to river basins)
6. For maintenance of stability of achievements of the project it is necessary to increase potential of UWU, CMO and CWC. Active participants of this process should become water-users, donors and the state creating favorable social and economic climate
7. UWU should become the powerful authoritative organization coordinating and raising efficiency of activity of water-users, extracting and involving financial means from donors to the operative range of the pilot canal for increase of efficiency of each drop of irrigating water
8. Exhibition-seminars are powerful means of distribution of IWRM ideas and they should be organized more often.

### **Group 3. Problems of establishment, sustainability and development of WUAs**

Note-taker: Mr. Oytur Anarbekov, Research Officer, IWMI

Moderator: Dr. M. Pinkhasov, Leader of WUA component along IWRM-FV project from SIC

Facilitator: Mr. Janibek Kamilov, Social Mobilizer of IWRM-FV project from IWMI and simultaneously, director of WUA "Japalak"

Totally, there were 35 participants in the round table. Among them, there were present representatives from:

1. Provincial and District level Water Management Organizations of Ferghana Valley countries
2. WUA Support Unit at Osh Basin WMO
3. Osh Agricultural Institute
4. Kyrgyz Republic WUAs
5. Republic of Tajikistan WUAs
6. Republic of Uzbekistan WUAs
7. Local community authorities, mainly from Kyrgyz Republic
8. WUGs from three countries of Ferghana Valley
9. Tashkent Institute of Irrigation and Melioration (TIIM)
10. ZEF - Centre for Development Research
11. WUA Support Program (WUASP), Winrock International
12. IWRM-FV project staff, including IWMI and SIC
13. other organizations and projects

At the beginning of the group discussion, participants themselves elected the facilitator and moderator of the group discussion. Janibek Kamilov, director of WUA "Japalak" simultaneously, IWMI Social Mobilizer was elected as facilitator. Dr. M. Pinkhasov, leader of the WUA component along IWRM-FV project from SIC was elected as moderator. And Oytur Anarbekov, Research Officer from IWMI was elected as Note-taker of the whole discussion. Then moderator and facilitator started to generate discussions on problems of establishment, sustainability and development of WUAs in Central Asia. More specifically, as moderator and facilitator are involved in IWRM-FV project they started to speak about the achievements and in same time the problems along the project.

Moderator pointed out following achievements of IWRM-FV project:

- 1) Creation of 8 WUAs based on hydrographic principles and existence totally today 57 WUAs along SFC
- 2) Creation of 6 hydrographically based WUAs along AAC
- 3) Creation of 4 hydrographically based WUAs along XBC

In terms of problems on establishment, sustainability and development of WUAs along IWRM-FV project, moderator mentioned problem of the transfer from territorial-administrative based WUAs to hydrographically based WUAs plus the issues linked with disbandment of old collective farms.

Round-table participants also mentioned about the problems of cadres. WUA representatives of Ferghana Valley countries mentioned that there is need to create favorable conditions for WUA



staff today, in order to keep them. One of the ways to solve above-mentioned problem regarding favorable condition for WUA staff is to increase current salary base, provide material and technical basis, set aside lands for WUAs, to have some privileges for WUAs who operates on pumping irrigation.

Facilitator and Moderator asked the group what is needed in order to further develop and sustain WUAs? There were following answers from the group to the question:

- WUAs need to have appropriate, professional cadres
- WUAs should have on-time ISF collection
- Ability to carry out Repair and Reconstruction Works in WUAs
- Ability to address land-reclamation issues in WUAs
- WUAs should solve the usage of collector-drainage waters
- WUAs should develop their own Business Plans for over the next 3-5 years where they can address above-mentioned problems and develop appropriate strategies and perspective plan of action
- There is need to have alternative financing sources for the operation of WUAs, such as grants, subsidies, lax loans and etc.

However, the discussion continued, and representative from ZEF – Mr. Iskandar Abdullaev, Research Coordinator SMWA raised two topics to discuss in the round-table:

- 1) Regarding creation of hydrographically based WUAs. Central Asian countries are developing and progressing in different speeds in terms of water management reform and perhaps some of the countries will still insist to have territorial-administrative based WUAs. Besides, he spoke about his own experience in Afghanistan where majority of villages are interconnected between each other, i.e. there are exist relatives of each other in each villages – it is difficult to create hydrographic boundary based WUAs, there is need to take also into account the social factor of water distribution. So how to distribute and allocate water?
- 2) Regarding operation of WUA council. Are members of WUA council actively participating today in WUA governance, do WUA council members work? Do we need at all WUA council? What kind of alternative body should we have instead of WUA council?

Moderator and facilitator asked the participants do they have answer to Mr. Abdullaev's questions. One of the WUA representatives together with IWRM-FV social mobilizer from Kyrgyz Republic answered the second question. They pointed out that WUA council will operate more effectively if the members of WUA council will mainly consist of WUGs leaders. Such example exists in WUA "Joypas" in Kyrgyz Republic. Social Mobilizer informed that today WUA "Joypas" fully covered by WUGs and the overall results of WUA operation according to the last year is excellent including it ISF collection is almost 100%.

Moderator wanted also to add to the above-mentioned answer the following his view: firstly WUA council it is a body of water users themselves. If there is no WUA council – it means that WUA is not normally operates. WUA is association of water users; it means that it should have governing body consisting of water users, assuring public participation.

Moderator also took the opportunity and answered his view regarding first question of Mr. Abdullaev: As majority of Central Asian countries accepted introduction of IWRM principles in water sector management, the postpone of the hydrographically based WUAs creation will not solve the aim of IWRM – achievement of effective water management. The creation of WUAs based on hydrographic principles solve majority of the problems of WUAs.

Dr. Madjidov, the representative of TIIM took the floor with the aim to add to the answer of moderator. He came up with his own experience. He mentioned that he has opportunity to work over 10 months in Syrdarya province of Uzbekistan. There are WUAs that are based/located in one rayon (district) and get the water from different rayon (district) – so the WUAs are in difficult position in terms of whom to apply, address their problems. When they apply with their problems to one rayon (district) water management organization or local authority (from where WUA gets the water) they tell them to apply to another district water mgt organization or local authority where you are based and located.

Dr. Madjidov then after continued the issue of pumping irrigation. Specifically, he mentioned that in Uzbekistan almost 78% of available irrigated lands are irrigated through pump stations. He was curious about how correctly state can transfer the pump stations to the WUAs balance and operation. He mentioned perhaps there is need to introduce differentiated approach in payment of electricity cost and some other expenses of pump operation. Because, there are a lot of WUAs today not able to operate pump stations. So what kind of recommendations we could deliver?

Moderator took the floor and expressed his view: WUAs should be more curious when there were allocated lands and identified the crop patterns. If there is state quota and WUA should provide its services to irrigate cotton and wheat, then WUA should ask state/government to compensate the WUA expenses linked with operation of pump stations. However, if there are orchards which are much profitable they could decide how effectively operate the pump stations, if pump station in the balance of WUA they could think how much funds will be allocated for operation of pump stations because it is in their direct interest.

The discussion continued and there were question: do we have such WUAs in the hall that could show it has following attributes:

- Equitable water distribution
- Excellent ISF collection rate
- Enough cadres
- Ability to conduct rehabilitation and etc.

The Facilitator, being the director of WUA “Japalak” started to introduce his WUA. He explained that WUA attracted two projects: On-farm irrigation and IWRM-FV projects. IWRM-FV project

helped to built some WUA infrastructures plus tested the time-based water distribution, now there is going to be introduced volumetric based ISF payment in WUA.

On-farm irrigation project helped to do rehabilitation of on-farm irrigation systems of WUAs. The cadre problem at WUA – director of WUA explained that WUA approaches the available external opportunities, such as usage the trainings of IWRM-FV project, WUASP and Mersy Corp projects. Murabs at WUA started understand the problems of water distribution.

Facilitator also pointed out that because his WUA based hydrographically, it helped with stimulation of ISF collection. He also added that hydrographically based WUA and WUGs is stimulation (first step) of execution Kyrgyz state law on creation of cooperatives. The creation of cooperatives is also favorable condition for WUA to distribute the water.

The representative of WUA support Unit and simultaneously provincial coordinator of On-farm Irrigation Project, World Bank Mr. Abdukarim Ajimatov took the floor and would like to discuss following issues on WUA level: "If we want further develop WUAs, we need to solve for the next few years the work of WUA council. Today WUA council is not operational. He pointed out that Kyrgyz Republic is quite ahead with water sector reform and we face the problems not operation of WUA councils. How should we solve it? He mentioned that there is few projects work in Kyrgyz Republic and there is no coordination among the projects, so he proposes to coordinate activities of different projects that work in water sector management and try to tackle general problems jointly, such as not operation of WUA Council".

The discussion continued further and floor was given to Director of WUA "Joypas" Mr. Umurzakov. He introduced his WUA, pointed out that this WUA was created just 2 years ago and there were already created 22 WUGs, approximately 1 WUG cover 35-50 ha of land. WUG leader distributes the water, murabs of WUA help him. The members of WUA council were elected by water users/murabs themselves. Now there is process to get to the WUA council board the representatives of WUGs leaders. The ISF collection last year was 100% this year it is already 85%.

Moderator took the floor and started to answer to the question of Mr. Abdukharim Ajimatov, the representative of WUA support Unit. He mentioned that if there is no WUA Council – WUA is not operational at all. There should be created in WUA the Assembly of water users' representatives. Besides WUA should have Business Plan where all organizational structure of WUA is described and all functions of each body.

Facilitator mentioned that he was agreeing with Mr. Ajimatov's point that WUA Council today is not active. We should have common approach in order to activate its function.

The floor then was taken by representatives of Social Mobilizer of IWRM-FV project in Uzbekistan, Mr. Orif Halikov. He introduced that in Uzbekistan part of the project there are functioning WUA Council who is provide assistance in equitable water allocation and distribution. Overall in some Uzbek part WUAs – project has achieved the decrease the losses of water and misuse. Unfortunately, the WUA council members are not paid yet.

The floor then was given and taken by representative of WUA “Madanyat”, Tajikistan. The director introduced the specific of canal XBC. He mentioned that there is no stable water supply in the canal; therefore there is agreement on 3 days rotation of water distribution. Water users understand the value of water. Overall, there are 34 Deqkhan farms that WUA serves. In each tertiary outlet in WUA “Madanyat” there is created WUGs. The leaders of WUGs are represented in WUA Council, in this way they are more activate the work of WUA Council. WUA solve its capacity building issue through the attendance of IWRM-FV project seminars and trainings. Last year, IWRM-FV project, more specifically IWMI helped to construct hydrostations (posts), there is no almost the conflicts between water users.

Afterwards, the floor was given to the representative of WUASP in Southern part of Kyrgyz Republic, Mr. Iqbol Nazarov. He mentioned that in order to solve problem of ISF collection in WUA. There is need to assure the real public participation in governance and management of WUAs. He pointed out that along their program there is special component that focuses on social mobilization in communities, helping WUAs to deliver the privileges of WUA operation. Besides, there were given floor also to another representative of WUASP in Southern part of Kyrgyz Republic, Ms. Aygul Tashkenbaeva. She mentioned that one of the conditions of WUA sustainability is information dissemination/sharing/provision among water users.

So by summarizing the group discussion participants were agree to the following statements, recommendations that could solve problems of establishment, sustainability and development of WUAs:

1. WUAs should preferable be created on the basis of hydrographic principle
2. WUAs should guarantee equitable water distribution/allocation
3. The work of higher education institutions is highly valued in terms of provision of cadres
4. WUAs should have 100% ISF collection
5. WUAs should have proper cadres
6. WUAs should have Business Plans and Plan of Repair and Reconstruction work
7. WUAs Councils should actively work in Governing WUAs
8. WUAs should establish WUGs and WUGs representatives should be in WUA Council
9. WUAs that have pumping irrigation should solve their problems, more together with Government/state
10. WUA should have information provision/dissemination about its activities

#### **Group 4. Role of consultative services in achieving IWRM objectives**

At discussion of section 4 the following experts participated:

1. Swiss college of agriculture - Cristoph Shtuder
2. TES Center – Islamova A., Kasymova A.
3. Tajik Technical University - Khudjand branch – Nasrulloev A.
4. Extension Service MEDA - Mukhammedov A., Sadykova S., Kuchkarov I.
5. TIIM, Uzbekistan - Shurova L.
6. GTZ Osh - Toygonbaev S.
7. CECI, Tajikistan - Mansurov A., Ergasheva T., Otabekov M.
8. Komolov A.
9. Soghd PWD, Tajikistan - Umarkulov Z.
10. Extension Service APPR NAU, Tajikistan - Akramov Ya.
11. RAS, Osh - Toshev R.
12. SIC-ICWC - Mukhamedjanov Sh., Stulina Galina (Gender Specialist).
13. ARIS - Aydarova K.
14. CTC on WUA - Bobojanov M.
15. Ikbal Yusupova – IMWI, Knowledge sharing specialist of Bright Spots project

Session was chaired Muhamedzhanov S. S. who has expressed the gratitude to all participants and has suggested to begin discussion with existing problems in an agriculture in view of use of irrigating water. The purpose: to discuss in what condition the use of irrigating water is. What difficulties are faced by farmers? How much farmers own knowledge on management of irrigating water, whether they know what norms and when it is necessary to hold watering. Here at session of section three regions participate. Kyrgyzstan was the first to transit to a private property and it has a wide experience both in agroproduction in new conditions of managing, and in use of water by farmers. Characteristic for Kyrgyzstan is the small areas of farming households, and it complicates both agroproduction itself and effectiveness of utilization of irrigating water. In Uzbekistan we have quite a different situation when farmers have the areas from 10 up to 100 hectares. In Tajikistan collective managing is still kept. Problems: use and the account of water, practice of use.

**RAS - Tashev Rasulbek:** Many farmers have no substantive provisions and knowledge in agricultural production and especially in terms of irrigation water use. With the purpose of increase of knowledge of farmers by RAS consultants, in each area every month on the basis of demonstration sites, is conducted the study of watering technology and other agrotechnical technologies.

**Osh BWD - Alybaev Sherbay:** Low efficiency of irrigation water use, observed among farming households, is connected with absence of control and management of irrigation water within farms. At some places that are WUAs, and at some places there are none. In Aravan



and Karasu areas normalization of irrigation water is implemented in view of cultures, and in Nukat area submission of irrigation water is implemented regardless of the schedule of irrigation set for cultures of this zone.

**SIC - Mukhamedzhanov S. S.:** We can tell, that one of problems is the problem to submit water to small-scale enterprises and the second problem is the problem of absence of planning of water delivery to farmers on the approved schedule of irrigation, plus the third problem is the problem of great losses of use both at a level of interfarmer canals, and at a level of field because soil conditions are not considered.

**TES Center – Anargul:** the Problem is connected with the fact that the farmer is not interested in economy. The problem of lack of irrigation water of those who are in a trailer part.

**APPR NAU – Akramov Ya.:** Besides already discussed here I consider the basic problems that has to be stressed is water flushing of the salted grounds, lay-out, condition of canals, condition of hydroposts, for 70 % of taps on farms lack hydroposts.

**MEDA, Tajikistan – Kuchkarov I.:** Many farmers do not know how much water it is necessary to submit. The most important is the watering technology. Many farmers do the watering in long furrows. Not planned fields. Canals are not clean. It is necessary to install hydrometers. Owing to the project 10 water-measured devices were constructed. Contracts between WUA and farmers have been concluded.

**TIIM – Shurova:** Since quantity of fields goes up it becomes necessary to change technology of watering. There is a new technology of rotation, called row-spacing. The second problem is water distribution.

**Aydarova K.:** People do not address such problem. If people address, social mobilization is needed.

**The decision:**

1. Development of consultative work of all existing services and organizations
2. Coordination of existing organizations and consultative services connected with farming households work.

## The Plenary Session

There were present 160 people.

The presidium members were:

Mr. Koshmatov Baratali Turanovich - Director General of Water Resources Department of the Ministry of Agriculture, Water Resources and Processing Industry of Kyrgyz Republic

Mr. B. Burgoev - Deputy Head of Osh Province State Administration – Deputy Governor

Mr. Hanspeter Maag - Head of Swiss Agency for Development and Cooperation in Central Asia

Mr. Dukhovny Victor Abramovich - Director of Scientific-Information Center of Interstate Commission for Water Coordination

Mr. Herath Manthrithilake - Head of International Water Management Institute for Central Asia

Mr. Aziznazar Tirandozov - National Coordinator of IWRM-FV project activities in Tajikistan. Head of water resources, science and technics department at the Ministry of Melioration and water resources of Republic Tajikistan

Mr. Umarkhon Azimov - National Coordinator of IWRM-FV project activities in Uzbekistan

The plenary session was chaired by Mr. Koshmatov Baratali Turanovich, Director General of water resources department of the Ministry of agriculture, water resources and processing industry of Kyrgyz Republic.

He pointed out that the Fair is conducted in the working atmosphere where majority of IWRM aspects are being discussed and let us conclude what has been discussed during the sessions and fair.

He invited to the presidium tribune the moderator of 1<sup>st</sup> section that discussed: "Facilitating the political and legal climate for IWRM implementation at national level"

From this section the rapporteur was Mr. Alisher Tashmatov, IWMI consultant responsible for issue of series of documents on political recommendations.

### Group Discussion 1 – Key recommendations:

- It is necessary to harmonize legislatively-legal basis with approaches of IWRM
- To promote newly created structures at the main canal level on conclusion of contracts with regional BWDs on the subject of joint management of water resources with public participation. Their strengthening by means of attraction of additional financial resources from public funds means of the local budget and donors, finding of grants, etc.

- To prepare offers on further strengthening and development of WUA in view of features and conditions of WUA development in each country basing on experience of the project (the possible project of the Governmental order or other equivalent document)
- It is necessary to make offers on assistance to programs of preparation and retraining of personnel for water management services

**Chairman** of the plenary session thanked on behalf of all fair participants the group 1 with its discussions, information and recommendations. 2<sup>nd</sup> Group discussion rapporteur – Khalim Khodjiev was given floor.

**Group Discussion 2 – Key recommendations:**

- The estimation of the project impact shows, that institutional and technologic institutional achievements have led to improvement of quality of water management on pilot canals
- Unique for CA countries experience of transition to joint water management on pilot canals deserves distribution as across (to other main canals), and on a vertical (to river basins)
- For maintenance of stability of achievements of the project it is necessary to increase potential of UWU, CMO and CWC. Active participants of this process should become water-users, donors and the state creating favorable social and economic climate
- UWU should become the powerful authoritative organization coordinating and raising efficiency of activity of water-users, extracting and involving financial means from donors to the operative range of the pilot canal for increase of efficiency of each drop of irrigating water
- Exhibition-seminars are powerful means of distribution of IWRM ideas and they should be organized more often.

**The Chairman** of the plenary session thanked the rapporteur and on behalf of all fair participants congratulated and thanked also all 2<sup>nd</sup> group discussions participants with conduction of productive work meeting/round table.

He invited the 3<sup>rd</sup> group moderator to present their report.

**Group Discussion 3 – Key recommendations:**

- WUAs should preferably be created on the basis of hydrographic principle
- WUAs should guarantee equitable water distribution/allocation
- The work of higher education institutions is highly valued in terms of provision of cadres
- WUAs should have proper staff and work on better ISF collection

- WUAs should have Business Plans
- WUAs should establish WUGs and WUGs representatives should be in WUA Council
- WUAs that have pumping irrigation should solve their problems, more together with Government/state, perhaps introduce differentiated approach in fee collection where can state subsidies some expenses of WUA who provides irrigation service to the state quota territories where cultivate mainly cotton and wheat
- WUA should have information provision/dissemination about its activities

**The Chairman** of the plenary session thanked the rapporteur and on behalf of all fair participants congratulated and thanked also all 3d group discussions participants with its productive work. He also recommended gradually implement recommendations as he pointed out that he sees different projects and organizations participated in discussion, such as WUA support Unit, WUASP and etc. The coordination among WUA projects also needed at the national level and by the will of international organizations. Chairman invited the 4<sup>th</sup> group rapporteur to the tribune.

**Group Discussion 4 – Key recommendations:**

- Development of extension services a must for the national level ministries to consider and support;
- International projects has gained some positive experiences throughout the Central Asia and ready to share and guide these practices with policy makers;
- Agricultural extension is the complex issue and water is one of the components contributing to the productivity. Thus the great cooperation between the projects and initiatives are needed at regional and inner-national levels with great support by the relevant ministries;
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**Chairman** thanked and congratulated the rapporteur and the 4<sup>th</sup> group participants with the productive discussions and recommendations.

Chairman afterwards, started to give the floor to the presidium members: the floor was given to Prof. Dukhovniy Victor Abramovich.

He started his speech with the word IWRM; today this word became very modern slogan. All international organizations, donors such as World Bank, ADB, SDC, USAID and etc are working on introduction and implementation of IWRM principles, such as public participation, integration in all hierarchy of water management and governance different stakeholders/water users.

However, if previously there were problem of hydro-administrative egoism, but today there is a threat that will appear professional hydrozone egoism. What we want to achieve is to have public participation at Basin level water management. The water sector has the political importance therefore governments of Central Asia need support the investments into maintenance and development of WUAs, CMOs and other water management organizations infrastructures. There is need to point out that Kyrgyz legislation takes in all aspects of IWRM principles – where the main approach directed towards creation of WUAs from bottom up. However, Kazakhstan adopted implementation of IWRM principles from up to bottom. The right way of course work from bottom to up, the main idea is to guarantee and attract farmers and lower water users into the work of WUAs and other water management organizations. Along IWRM-FV project, IWMI done an excellent approach working together with local higher education institutions such as TIIM, Osh Agricultural Institute, Andijan College to develop jointly future cadres in water sector and it's the main guide in success of implementation of IWRM principles. Once more, he pointed out that even though current External Review Mission mentioned in the debriefing that IWRM-FV project is more or less training project, however, it brings new understandings, knowledge and expertise.

**The chairman** thanked Prof. Dukhovniy with provision such a nice speech and comprehensive overview of the development IWRM principles in the region.

The floor afterwards was given to Mr. Aziznazar Tirandozov, National Coordinator of IWRM-FV project activities in Tajikistan, head of water resources, science and technics department at the Ministry of Melioration and water resources of Republic Tajikistan.

Firstly, he thanked the Governor and local state administration with such a nice and warm hospitality and organization of the Fair. He also thanked the organizers of the Fair on behalf of the Tajik side. He mentioned that introduction and implementation of IWRM principles is fully supported from the Ministry of Melioration and Water Resources of Tajikistan.

**Chairman thanked** Mr. Aziznazar Tirandozov and on behalf of Kyrgyz side also thanked for participation Tajik colleagues in the Fair.

The floor was given to Mr. Umarchon Azimov, national coordinator of IWRM-FV project activities in Uzbekistan. He also thanked all organizers of the Fair and local administration and pointed out that one of the result of the fair was that on national level he developed further plans of IWRM principles implementation.

Chairman thanked Mr. Umarchon Azimov for participation and productive discussions.

**The floor was given** to Mr. Hanspeter Maag, Head of Swiss Agency for Development and Cooperation in Central Asia.

He started his speech that Fair opened success and problems of introduction and implementation of the IWRM principles in the region. The identification of shortcomings will help to tackle them in the future. One of the conclusions he pointed that IWRM-FV project has built up clear mutual relationship between countries of Central Asia in introduction and implementation of IWRM principles. So IWRM can have the vision not just limit itself with the Integrated Water Resources Management but work towards Integrated Countries (Governments) Resources Management that will assure even better integration among the countries. He also mentioned that that the day went productive and thanked all participants.

**Chairman thanked** Mr. Hanspeter Maag on behalf of all Fair participants and especially pointed out the help/assistance of SDC in implementation of IWRM principles in the region.

**The floor was given to** Dr. Herath Manthrithilake, Head of International Water Management Institute for Central Asia.

Dr. Herath Manthrithilake: Guests and friends, I would like to mention that today we have spent productive day, if you noticed IWRM-FV project doesn't just working around the WUAs but it covers all other aspects of water management hierarchy. In the national level, we are contributing to the development of strategic plan of IWRM principles introduction and implementation, you can see already results. On CMOs and WUA level we are working on building their own capacities to operate in the future, need to mention that IWRM-FV project is not everlasting project, if we achieve 75% of the set aims along the project we are sure that the rest of 25% local people can achieve themselves. Therefore, we assist UWUs, CMOs and WUAs in development their own plans of development such as business plans, other important documents.

At the end, I cannot miss out to mention the role and importance of Mr. Bakyt Esenovich Matraimov. He was a really asset not only for IWRM-FV project but I think for whole Osh Basin Water Management and the region.

Chairman thanked Dr. Herath Manthrithilake for such nice speech and whole support in implementation of the IWRM-FV project and especial thank that he pointed out the importance of Mr. Bakyt Matraimov.

**Chairman gave the floor** to Mr. B. Burgoev, Deputy Head of Osh Province State Administration – Deputy Osh Provincial Governor.

He mentioned how he sees the importance of the IWRM-FV project results in solving of problems of water management. He pointed that such kind of projects like the IWRM-FV should continue as without solving water resources management we cannot imagine the agrarian sector, i.e. employment of the population. He recommended continuing the project activities.

Chairman thanked Deputy Head of Osh Province State Administration for such nice speech and on behalf of all fair participants thanked on contribution in excellent organization of the event.

**Chairman concluded** that Fair was productive and in working atmosphere and thanked all participants and wished to continue such positive knowledge sharing tradition in other regions of the Central Asia as it brings together all water specialists, research, academia and international communities together.



## **Appendix 1.**

### **Integrated Water Resources Management in the Ferghana Valley Project (IWRM-FV)**

**Swiss Agency for Development and Cooperation  
(SDC)**

**Scientific Information Center of the Interstate Commission for  
Water Coordination (SIC ICWC)**

**International Water  
Management Institute (IWMI)**

## **PROGRAM**

of

the Regional Knowledge Fair

**INTEGRATED WATER RESOURCES MANAGEMENT IN CENTRAL ASIA**

**7-8 September, 2007  
Osh city, Republic of Kyrgyzstan**

### **Organizers:**

- Integrated Water Resources Management in the Ferghana Valley Project
- International Water Management Institute
- Scientific Information Center of the Interstate Commission for Water Coordination in Central Asia
- Water Resources and Processing Industry of the Republic of Kyrgyzstan
- Ministry of Melioration and Water Resources of the Republic of Tajikistan
- Ministry of Agriculture and Water Resources of the Republic of Uzbekistan
- Swiss Agency for Development and Cooperation
- Administration of Osh province
- Osh Basin Water Management Organization
- Administration of Osh City

## Schedule of the event:

7-8 September, 2007 Address: Osh city, Republic of Kyrgyzstan  
Contact info: +998 71 137 04 45, +998 71 137 21 73,  
Fax: +998 71 137 03 17, e-mail: [d.sabirova@cgiar.org](mailto:d.sabirova@cgiar.org) (Diloram Sabirova)

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### 7 September

Arrival and Accommodation of Participants

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### 8 September

**8.00-9.00**

**Registration of the participants of the Exhibition-Workshop**

**9.00-9.30**

**Welcome speech.** Head of State Administration of Osh province - governor Satybaldiev Jantoro Joldoshevich

**Welcome speech.** Minister of Agriculture, Water resources and processing industry of the Republic of Kyrgyzstan – Jeenbekov Sooronbay Sharipovich

Welcome speeches. Representatives from ministries of CA, SDC, SIC, IWMI

**9.30-13.00**

**Exhibition titled Integrated Water Resources Management in Central Asia**

Ceremonial Opening of the Exhibition

**Detour of pavilions of the Exhibition of IWRM-FV project achievements, as well as other projects and organizations**

**13.00-14.00**

**Lunch** – Culture Program

**14.00-15.00**

**Facilitated Knowledge Sharing by sections**

Section1 «Facilitating the political and legal climate for IWRM implementation on national level»

Section 2 «Public participation as an important element in water resources management»

Section 3 «Problems of establishment, sustainability and development of WUAs »

Section 4 «Role of consultative services achieving in IWRM objectives »

**15.00-16.00**

**Plenary Meeting**

Section reports

Discussions

Summary and closing ceremony

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## Appendix 2. List of Participants (in Russian)

### Список участников Кыргызской Республики

(Резиденция Президента по ЮГУ)

1. Кошматов Б.Т. – Генеральный директор ДВХ КР.
2. Акималиев Ж. – Директор НИИ СХ КР.
3. Кулов К. – Директор Кырг. НИИ Ирригации.
4. Кожоев Э.И. – Координатор проекта «Внутрихозорошения» ДВХ КР.

(Гостиница «Алай»)

5. Камчыбеков Р. – Начальник Жалалабадского БУВХ.
6. Асатов М. – Начальник Баткенского БУВХ.
7. Таштанов А. – Координатор Жалалабадского ООП АВП.
8. Шукуров Ж. – Координатор Баткенского ООП АВП.
9. Водители - 4 чел. – Жалалабадской и Баткенской областей.

(Дом отдыха «Ош»)

Представители

1. АВП «Шабнам», Жалалабад.
2. АВП «Аксуу-Карабак», Баткен.

Начальники РУВХ и водохранилищ	– 10 чел.
Гл. инженеры	– 8 чел.
Специалисты ОП АВП	– 10 чел.
Приглашенные по проекту	– 67 чел.

Список начальников и гл.инженеров РУВХ.

1. Араванское РУВХ: Айтиев Керим, Кадыров Абдыгапар
2. Алайское РУВХ: Ашимов Келдибек, Эрматов Сексенбай
3. Чон-Алайское РУВХ: Абдылдаев Исматилла
4. Каракулджинское РУВХ: Эгешов Абдразак, Ахмедов Кубаныч
5. Узгенское РУВХ: Омурзаков Кенеш, Полотбеков Жаркынбай
6. Ноокатское РУВХ: Эргешов Маман, Мамедов Алихан
7. Найманское вод-ще: Зулпуев Абдывап, Бегешов Мамат
8. Карасуйское РУВХ: Абибиллаев Руслан, Молложанов Шухрат
9. УААБК: Алимов Мавлянжан
10. Папанское вод-ще: Тажибаев Кадырбек, Абдыраев Кубаныч

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4. Орозов Абдижалил – Ноокат РОП АВП
5. Бурханов Рахманберди – Араван РОП АВП
6. Кожобеков Омурбек – Алай РОП АВП
7. Жумагулов Эмилбек – Каракулжинский РОП АВП
8. Жусупов Аманилла – Чон-Алайский РОП АВП
9. Абдыразаков Байыш – Озгонский РОП АВП

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2. Араванский район – Артыков Шамиль Жусупович.
3. Каракулжинский район – Асранов Жаныбай Назарбаевич
4. Карасуйский район – Барманов Токтосун Белекович
5. Ноокатский район – Алиев Абдыганы Турдумаматович
6. Узгенский район – Абдираимов Усенбай.
7. Чон-Алайский район – Мурзабеков Абдимамат.

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7. Махсудов З - Начальник УКХБ
8. Абдусаминов А. Председатель СВК
9. Мухидинов Х - Обл.исполнитель АВП
10. Умаркулов З - Обл.исполнитель ВУТ
11. Насрулов А - Зав.кафедра ГТС ТТУ
12. Хамидов А. – Областной исполнитель проекта по Трансграничным рекам

(Дом отдыха Ош) ул.Базарбай Нурматов 82

13. Абдуллоев М. Директор АВП «Маданият»
14. Кабиров К. - Директор АВП «Тоҷикобод»
15. Сафаров А- Директор АВП «Зарафшон»
16. Хужаматов Абдухамид – Мобилизатор ИВМИ
17. Ашуров Хомид – Мобилизатор ИВМИ
18. Асаколов Ашур – Мобилизатор ИВМИ
19. Саидахмадов Мамур- Мобилизатор ИВМИ
20. Каримов Салим – Мобилизатор ИВМИ
21. Пиримкулов Бобожон – Гидротехник АВП Маданият
22. Кобулов Фарход - Мобилизатор

#### Список участников Узбекистан

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3. Расулов Фозилжон - Зам.нач. Сирдаря-Согд БУИС
4. Акбаров Ахмаджон - Нач. Нарин- Карадаря БУИС
5. Хусанов Хамидулло - Зам.нач. Нарин Карадаря БУИС
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10. Ахунжанова О. Ю. - Исполнительный директор центра «Шанс»
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12. Атаханов М. - Начальник Нарын-Сырдарьинского БУИС
13. Махсудов М. - Заместитель начальника управления магистральных каналов ФД
14. Эргашев Ш. - Нарын-Карадарьинский БУИС
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16. Кодиров Абдумалик - Рук. ф/х хоз-во «Кодиров Абдумалик»
17. Бобожонов Мухаммад - Председатель совета АВП Акбаробод
18. Исмоилов Хаким - Директор АВП «М.Исмоилов»
19. Рахмонов Абдувохид - Директор АВП «Омад Зилол»
20. Булаев Абдусалом - Директор АВП «Машъал»
21. Абдуллаев Неймат - Мобилизатор ИВМИ
22. Бакиров Миркомил - Мобилизатор ИВМИ
23. Баратов Неймат - Мобилизатор ИВМИ
24. Ражабов Акрам - Мобилизатор ИВМИ
25. Норкузиев Таваккал - Мобилизатор ИВМИ
26. Охунжонов Расул - Мобилизатор ИВМИ
27. Абсаматов Содик - Мобилизатор ИВМИ
28. Юнусов Нуриддин - Мобилизатор ИВМИ
29. Рустамов Ислон - Мобилизатор ИВМИ
30. Бобоев Нуриддин - Мобилизатор ИВМИ
31. Мирзаев Биродар - Консультант IWMI по ТМР
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35. Рахмонов А. - АВП Омад Зилол
36. Исмоилов А. - АВП М. Исмоилов
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22.	Рахимов Шавкат Хударгенович	Директор САНИИРИ	65 12 51; 65 32 41
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26.	Бобоназаров Шермат	представитель фирмы ENZA ZADEN (Компания по реализации семян сельхозкультур, Нидерланды)	Ц-5, д 29, кв 2 1562481, 3439441
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35.	Кузиев Баходир	Координатор программ Японского Агентства Международного Сотрудничества JICA в Узбекистане	1385916/17/18/19, fax 1207968
36.	Тешабаев Бехзод	Руководитель Комиссии Европейского сообщества Бюро обеспечения технической поддержки	139 15 33 139 11 49 факс
37.	Рузиев Мирзаулугбек	Главный специалист Комиссии Европейского сообщества Бюро обеспечения технической поддержки	139 15 33 139 11 49 факс
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42.	Ирина Егоричева	German Agro-Action	120 69 28
43.	Ханспитер Мааг	Глава SDC	66-64-80 66-64-89 факс
44.	Маркус Шафер	Руководитель программ в Центральной Азии и Российской Федерации	322-44-25 323-59-33 факс
45.	Мирзаев Мурат	Заместитель руководителя офиса в Ташкенте	120-54-53/54/55 120-54-56 факс
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58.	Хамидов Махмуд Хамидович	Начальник БВО «Сырдарья»	8-3712 65-82-42 раб 8-3712 65-73-45 65-82-49 факс 8-3712 46-74-50 дом 8-371 110-80-38 моб
59.	Тухлиев Абдурахмон	Начальник Управления Магистральных каналов Ферганской долины	8-3732 24-21-33 приемная 8-3732 24-05-08 диспетчер 8-3732 24-98-24 факс 8-3732 272-66-82 моб
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