

Achievements for May-December, 2005

Result 1: Pilot Canal Management Organizations practicing IWRM principles

Activity 1.1: Integrate Governance, management functions and inter-sectoral interests under one CMO at three selected pilot canals (SFC, KhBC, AABC)

The first step was made in finalizing restructured management and governance at canals level in Kyrgyzstan.

- ✓ Draft Agreement on «Joint governance of Aravan-Akbura canal» was developed. It is planned to hold round-table in the second decade of January 2006, where its final version will be prepared for signing as a result of discussions.
- ✓ Draft "Concept on joint governance of Pilot Canals Management Organizations' activities (by the example of AABCMO)" was developed together with IWMI.
- ✓ Draft «Recommendations on developing Statute and making changes and supplements in «Model Statute» of Union of Canal Water Users for joint water governance» was prepared

This experience was introduced into water management organizations in Tajikistan and Uzbekistan at canals level as well as at NCSG level.

The special issue was raised regarding SFC and AABC – establishment of Canal Water Council taking into account hierarchy of canal plots and participation of their representatives in this organization.

Organizational agreements were finalized for all three pilot canals. The given agreement has already started to function along AABC in Kyrgyzstan and SFC in Uzbekistan. Representatives of water users and other organizations on water resources management take part in Canal Management Organizations' Meetings and ask relevant questions.

Activity 1.2: Create broader understanding of the new institutional structure for transition period with wide involvement of all «stakeholders»

- ✓ General Assemblies of SFC and AABC UWUs were held where UCWU Chairmen and UCWU Council members were reelected as well as draft Concept and Agreement were discussed.
- ✓ General Assemblies of Water Users were held on SFC hydroplots and 9 Councils of hydroplots were formed.
- ✓ Specialists on ecology, drinking water supply, power engineering and reclamation as well as specialists on improving reliability and water supply have developed drafts Action Plans (AP) for every branch in order to investigate and take into account inter-sectoral relations during water distribution. At the present time these drafts AP are being finalized according to our comments;
- ✓ Further, drafts of sectoral AP will be discussed at UCWU Council and submitted to NCSG.
- ✓ After approval of sectoral AP with NCSG, one AP will be developed for every pilot canal and then implemented during Project Phase III.

Activity 1.3: Develop recommendations to improve national legislation for up-scaling and replication.

- Proposals on making changes in Model Statute of UCWU for joint water management have been developed
- Draft Agreement on «Joint governance of Aravan-Akbura canal of Osh Basin Department for Water Resources» has been developed

Activity 1.5: Assess feasibility of alternative water allocation system procedures and system management

- ✓ Mistakes were found out on SFC pumping stations' command irrigated areas. Water specialists determined that areas were underestimated by 2000 ha and according to satellite images – by 9000 ha.
- ✓ Development of Alternative Water Distribution System (AWDS) was finished;
- ✓ Management Information System (MIS) included AWDS;
- ✓ a) Interface and b) Database (DB) which includes all elements of water distribution options (season planning, adjustment of season plans according to fixed limits, operational (decade) planning, operational (intradecade) adjustment) + analysis (calculation and analysis of water distribution indices) were improved;
- ✓ Test calculations of water distribution options were carried out in materials 2004-2005;
- ✓ Operational and final water distribution indices were calculated for 2005 in all pilot canals
- ✓ Comparative diagrams were made (over decade, years, pilot canals, pilot WUA, etc.).
- ✓ Analysis of indices shows that, for example, as a whole, Canal Management Organization, UCWU together with the project staff have achieved a certain improvement in work on SFC:
 - a. Actual water supply on SFC has been reduced by 88,9 million m³ in comparison with 2004 or by 9,2 %, by 51,5 million m³ or by 5,3 % in comparison with 2005: permanent reduction of water supply has place on plot № 1, plot № 3, plot № 6 (up to 24,5 %). Based on it water supply has been increased to the end plot;
 - b. Coefficient of stable water supply has been increased sharply – within the limits of 92...100 % on all plots; equitability of water use on SFC has averaged 86 – 100 %;
 - c. Although coefficient of efficiency of SFC has made up about 84 – 94 % but it has been reduced in comparison with 2004;
 - d. Resowing and its irrigation have been taken into account and as a result of it irrigation norm for actual hectare has made up 8,880 m³/ha against 11,900 m³/ha in 2003 and 10500 in 2004.

We compared various international experience on water distribution at basin, canal and tributary levels and the given information / report will be submitted to stakeholders in 2006.

Activity 1.7: Assess impacts of Project interventions through performance indicators, stakeholder satisfaction surveys and secondary data

- ✓ Water account reliability has been analyzed on pilot canals and Action Plan on its improvement has been developed;
- ✓ By the initiative of UCWU plan of “khashars” on cleaning interfarm network from garbage and sediments has been made up regarding SFC. Implementation of plan has already begun.
- ✓ Organizational and technical measures on improving stability of power supply and water distribution have been developed and are being implemented;
- ✓ Draft Action Plan on completing transference to hydrographical principle on SFC has been developed.

Activity 1.8: Create institutionalized local capacity for training future CMOs/CWCs through training of trainers, study tours and exchange visits through involvement of research and training systems

Three probationers for canal management organizations were trained in 2005 for dissemination of experience in other canals.

- ✓ Workshops and trainings on discussing drafts Concept, Agreement as well as calculation and analysis of water distribution indices were held.
- ✓ Draft "Guideline on calculating and analyzing water distribution indices" was developed and disseminated;
- ✓ Articles on IWRM problems were published
 - a. Role of Public participation in improving effectiveness of water use management and ecological sustainability in CAR. Collection of SANIIRI works, 2005;
 - b. Problems on improving water resources management on large-scale canals (system) level (experience of IWRM introduction in Fergana valley). Water industry in Kazakhstan, № 4 (8), 2005, page 32-41.