

Summary Report

ICWC Training Centre for Water Resources Management

Seminar-Conference

“IMPROVEMENT OF REGIONAL AND INTERSECTORAL COOPERATION IN THE FIELD OF WATER RESOURCES”

May 20-25, 2002

Organized by:



Financed by:



Canadian International
Development Agency

Agence canadienne de
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Canada



Central Asia Natural Resources
Management Project



United States Agency for International
Development

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EXECUTIVE SUMMARY

This report follows a successful completion of the ICWC Water Resources Management Training Center's Seminar-conference on "Improvement of Regional and Intersectoral Cooperation in the Field of Water Resources" that held from May 20-25, 2002 in the ICWC Training Centre in Tashkent, Uzbekistan.

The current seminar-conference gathered representatives from Ministries of Agriculture and Water Resources Management, Energy and Environmental Protection. For the six-day period participants had a chance to meet their counterparts, exchange opinions and discuss most related issues on water resources allocation in the basin and protection of transboundary water resources. Moderators of the workshop repeatedly stated that only by cooperative efforts the problems related to water resources can be solved and regional cooperation stands as a key element for region's prosperity and stability. Moderators also emphasized that the principles of integrated water resources management (IWRM) and international water law should be area of discussions for getting as much benefit as possible from these principles and utilize them into present conditions of the Aral Sea Basin countries.

INTRODUCTION

The disintegration of the Soviet Union in 1991 led to the collapse of the centralized planning and management of water resources in Central Asia. Two major rivers of the region, Amudarya and Syrdarya Rivers became international rivers with subject to use and manage by cooperative actions of all the five basin countries. This created specific problems related both to quantity allocation and quality standards of the transboundary water resources. It turned out that upstream and downstream countries have different priorities in utilization of these river water resources therefore creating conflicting situations between water users. In the post Soviet period, the needs of the downstream countries for the irrigated agriculture do not correspond to the needs of the upstream countries for generation of maximum energy. Several draft agreements were signed by the heads of the member countries where all declared that both rivers subject to joint management and each country accepted definite responsibilities for reasonable utilization of transboundary water resources for the benefit of their national interests. However, cooperation of the basin countries on this very important activity has not been successful to this time. There is no reliable mechanism that can be used for cooperation over management of transboundary water resources. Some argue that agreements do not cover all the aspects of transboundary water resources management and others point to the fact that a decade of work on this type of work is not enough; usually it takes more to develop sound laws and reliable mechanisms.

For the Aral Sea basin countries where three out of five heavily depend on the external water resources on one degree or another it is very important to reach the consensus between upstream and downstream countries in joint utilization of the basin water resources. While available water resources in the region are fixed, population growth is becoming one of the other major concerns, especially for Uzbekistan, when water availability per capita is rapidly decreasing. The present population in the Aral Sea basin is about 39.5 million inhabitants and it is being forecasted that it will double in the next 25 years.

One of the goals for establishing the Training Centre for water resources management in the Aral Sea Basin was to improve cooperation on water resources management in the basin. The current workshop gathered representatives from Ministries of Agriculture and Water Resources Management, Energy and Environmental Protection. For the seven-day period participants had a chance to meet their counterparts, exchange opinions and discuss most related issues on water resources allocation in the basin and protection of transboundary water resources. Moderators of the workshop repeatedly stated that only by cooperative efforts the problems related to water resources can be solved and regional cooperation stands as a key element for region's prosperity and stability. Moderators also emphasized that the principles of integrated water resources management (IWRM) and international water law should be area of discussions for getting as much benefit as possible from these principles and utilize them into present conditions of the Aral Sea Basin countries.

The US Agency for International Development is actively involved in the water and energy sectors in Central Asia. It is committed to technical aids and help to improve the regional cooperation. USAID funded project "Central Asia Natural Resources Management Project (NRMP)" started in July 2000 and project headquarters was chosen to be in Tashkent. ICWC Training Center and NRMP/USAID collaborated in this training workshop where NRMP took the part in financing most of the workshop activities.

This report outlines activities of the ICWC Training Centre seminar-conference on "Improvement of Regional and Intersectoral Cooperation in the Field of Water Resources".

WORKSHOP ACTIVITIES

Workshop Objectives

The main objectives of the workshop on “Transboundary waters: the strategies for improvement regional cooperation” were:

- Acquaint participants with present problems of transboundary water resources management in Central Asia and the World.
- Acquaint participants with the main concepts of the international water law such as equitable and reasonable utilization and no harm principles;
- Acquaint participants with up-to-date advanced technologies in the management of water resources.
- 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 and energy production sectors and also meet environmental standards.
- Development and improvement of contacts among representatives of the five states of the region.
- Exchange of views and experiences in the field of water resources management.

Opening of the Workshop

In the opening session of the seminar participated and addressed the participants on the issues relevant to the theme of the Seminar – Abdurakhim Djalalov, First Deputy Minister of Agriculture and Water Resources of Uzbekistan / Head of Water Management Department, Aleksandr Antonov, Honorary Council of Canada in Uzbekistan, David Pearce, Head of the World Bank Mission in Central Asia, Robert Watts, Regional Environment, Science and Technology Officer for Central Asia, USA Embassy in Uzbekistan, Mike Biddison, Chief of Party, Central Asia Natural Resources Management Project / USAID, Prof. V.A. Dukhovny, the Director of SIC ICWC.

Seminar Participants

Water, energy sectors and nature protection sphere of the regional countries were represented by officials from regional organizations (EC IFAS, UEC “Energia”, BWOs “Amudarya” and “Syrdarya”), Heads of Ministries, Departments and other authorities of water management and energy agencies, specialists of nature protection bodies of Central Asian countries (Attachment 2).

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 Seminar, 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 Seminar activities, and at varying capacities including:

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

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

TABLE I
WOMEN PARTICIPANTS

No	Name	Title	Participation
1	Svetlana Viktorovna Zaytseva	Chief Specialist, Central Dispatching Office, Kazakhstan	Presented topic and actively participated during discussions
2	Irina Juravleva	Assistant to Director SIC ICWC	Actively participated during organization
3	Larisa Averina	SIC ICWC Specialist	Presented topic and actively participated during discussions
4	Ludmila Muhina	Head Bookkeeper	Actively participated during organization
5	Tatiana Lim	USA Embassy in Uzbekistan	Audited presentations

Questionnaire results

The participants were encouraged to provide feedback to the ICWC Training Centre staff with respect to the overall organization and management of the Seminar. 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 Seminar activities.

Table II is a summary of the questionnaire results.

№	QUESTIONS	Yes	No	COMMENTS / SUGGESTIONS / RECOMMENDATIONS
1.	Has the seminar come up to your expectations?	21	0	<ul style="list-style-type: none"> ▪ Seminar was interesting and has a perceptual character ▪ To a considerable degree since I regularly participate in such type of forums on water-energy related topics. ▪ Approach multi-country, multi-sector approach to regional water management. ▪ Involve representatives of energy sectors as well. ▪ There is no a single among participants
2	Did the seminar fulfilled its training objectives?	21	0	<ul style="list-style-type: none"> ▪ Some materials do not comply with their practical realizations. ▪ Not always presentations correspond to the written papers. ▪ My colleagues will read and evaluate Russian language materials. ▪ There are no video and audio materials to support the workshop objectives.

3	Are you satisfied with the contents of the lectures and exercises?	21	0	<ul style="list-style-type: none"> ▪ Some lectures had a scientific character rather than practical. ▪ It is desirable to conduct lectures while showing water structures or being present in field. ▪ Future events on the subject would benefit from new information and more analysis of issues and options.
4	Are you satisfied with the contents of the given materials?	21	0	<ul style="list-style-type: none"> ▪ Professional levels of lecturers met demands of the auditorium. ▪ No one expresses opinions about cooperation.
5	Are you satisfied with trainers & presenters?	21		<ul style="list-style-type: none"> ▪ In a satisfactory condition. ▪ Ok for computer type of trainings not for policy oriented workshops / round tables. Layout should be changed. ▪ The conference room needs more space.
6	Are you satisfied with the equipping of the Training Center?	18	3	<ul style="list-style-type: none"> ▪ For betterment of comprehension it is necessary to gain audio.
8	Are you satisfied with the duration of the workshop?	20	1	<ul style="list-style-type: none"> ▪ No more than 5 days and 1-day field trip. ▪ Could be 1 or 2 days shorter while completing the same agenda. ▪ Could be shorter.
9	Are you satisfied with the agenda of training?	17	4	<ul style="list-style-type: none"> ▪ No comments
10	Are you satisfied with your accommodation during the workshop?	21	0	<ul style="list-style-type: none"> ▪ No comments
11	Are you satisfied with meals during the workshop?	21	0	<ul style="list-style-type: none"> ▪ No comments
12	Are you satisfied with the administrative personal of the Training Center?	21	0	
13	Are the training/supporting materials you received sufficient?	20	1	<ul style="list-style-type: none"> ▪
14	What topics are uninteresting for you, and you would suggest deleting them?	<ul style="list-style-type: none"> ▪ There are no such topics!!! ▪ All topics are interesting. 		
15	What topics would you offer to add?	<ul style="list-style-type: none"> ▪ About measures and ways to increase effectiveness of water and land uses. ▪ Firstly basic ones; information data bases, optimization works of energy enterprises, legal issues. ▪ A role of Toktogul reservoir in creation of energy market in Central Asia. 		
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.	<ul style="list-style-type: none"> ▪ It is early to make any proposal. ▪ Today it is possible only within the network of interstate agreements. 		

MINUTES

of the Seminar-Conference “Improvement of Regional and Intersectoral Cooperation in the Field of Water Resources” held for water management, environmental protection and energy sector specialists from Central Asian states in the Training Center of the ICWC and McGill University
(With participation of USAID/Natural Resources Management Project in Central Asia)

Tashkent

May 25, 2002

Between May 20 and 25, 2001 the Seminar-Conference participants exchanged information, expressed opinions and worked out common approaches as they apply to the issues of “Improvement of Regional and Intersectoral Cooperation in the Field of Water Resources” according to the agreed Program. They familiarized themselves with prepared reports, listened to presentations and took an active part in the discussions of regional and national interrelated water management, energy and ecological problems. As a result, the participants came to the agreement on a series of general recommendations pertinent to rational water-energy resources use and nature protection, improvement of institutional forms of water-energy system management at different levels with consideration of national and regional interests and guidelines of ongoing reforms in economics specific to various Central Asian countries.

Water, energy sectors and nature protection sphere of the regional countries were represented by officials from regional organizations (EC IFAS, UEC “Energia”, BWOs “Amudarya” and “Syrdarya”), Heads of Ministries, Departments and other authorities of water management and energy agencies, specialists of nature protection bodies of Central Asian countries (Annex 1).

In the opening session of the seminar participated and addressed the participants on the issues relevant to the theme of the Seminar – Abdurakhim Djalalov, First Deputy Minister of Agriculture and Water Resources of Uzbekistan / Head of Water Management Department, Aleksandr Antonov, Honorary Council of Canada in Uzbekistan, David Pearce, Head of the World Bank Mission in Central Asia, Robert Watts, Regional Environment, Science and Technology Officer for Central Asia, USA Embassy in Uzbekistan, Mike Biddison, Chief of Party, Central Asia Natural Resources Management Project / USAID, Prof. V.A. Dukhovny, the Director of SIC ICWC.

Along with the principle sponsors of the Training Center program – Canadian International Development Agency (CIDA), the Seminar-Conference was held with financial support rendered by USAID “Natural Resources Management” Project, for which the participants expressed their deep gratitude to all organizers and sponsors of the workshop.

The foundation for discussion of topic was laid by the reports presented by Abdurakhim Djalalov, First Deputy Minister of Agriculture and Water Resources of Uzbekistan / Head of Water Management Department, H.S. Sherimbetov, Chairman of State Committee for Nature Protection, Uzbekistan, Prof. V.A. Dukhovny, Director of SIC ICWC, Prof. N.K. Kipshakbaev, Director of Kazakhstan SIC ICWC branch, M.H. Khamidov, Director of BWO “Syrdarya”, I.D. Ametov, Chief Dispatcher of UEC “Energia”, G.N. Petrov, Consultant to the Ministry of Energy of the Republic of Tajikistan, A.G. Zyryanov, Chief of Hydrotechnical Service of Joint-stock Company “Power Stations of Kyrgyzstan” and other participants. Important reports were delivered by representatives of foreign and international organizations - the above said David Pearce, Robert Watts, Mike Biddison, and also by Ton Lennaerts, officer of Central Asia Natural Resources Management Project / USAID. Several SIC ICWC researchers made reports on results of some scientific studies pertinent to the issues under discussion (Attachment 2).

Familiarization with major reports contents, distributed in advance among participants for preliminary review and comprehension, facilitated arranging further discussions. Report and statements were supported by application of visual aids based on modern presentation equipment and technologies. The video materials reflected various aspects of water and energy resources use as well as different ways ecology problems are being solved around the world and in the Aral Sea Basin. The materials were presented on implementation of a series of regional projects.

The participants noted that the topics suggested for the Seminar-Conference included a wide range of issues of water resources management, efficient water-energy resources use with regard for ecology demands. The historical and geographical commonness of Central Asian countries, united by the shared rivers – the Amu Darya and Syr Darya rivers of the Aral Sea Basin was emphasized. They said about the necessity to develop regional cooperation, giving positive assessment to the measures taken in the region aimed at development cooperation between regional organizations. The participants positively perceived the necessity of observing set limits of water use from transboundary watercourses, agreed schedules of reservoirs operation modes, ecological requirements and strict fulfillment of obligations according to variants of compensations.

In the course of the Seminar-Conference the following recommendations and approaches were suggested to be used in improving and further developing regional cooperation as well as training activity:

1. Discussions participants unanimously support the main idea of the Seminar-Conference, that the countries of the Aral Sea basin can successfully and effectively solve the problem of water supply and electric power generation only on condition of efficient mutually beneficial collaboration and cooperation based on *hydrosolidarity principle*, mutual respect and taking into account interests of all the countries, and minimizing damage to both irrigation and energy as well as to environment
2. There are all possibilities for developing such cooperation in the Aral Sea basin at present, including the following:
 - i. Sufficiently well-defined willingness of the States and their Heads to cooperate in such direction;
 - ii. Presence of already established foundation for such cooperation, which needs to be further improved;
 - iii. Sufficient capacities for generating electric power;
 - iv. Sufficient amount of water resources.
3. Although the number of decisions made by the heads of the States in 1993, 1994, 1999, created favorable conditions for effective cooperation in the region and adopted Framework Agreements of 1992 and 1998 developed the basic principles of this cooperation, there are still lack of detailed procedures for interactions between fuel-energy and water organizations which leads to deviation from agreed schedules and regimes. The situation furthermore gets complicated because of imperfection of legal bases of the regional water management organizations. As a result of this there is a change for the worse of energy and water supplies in the region. So, for the last 7 years there are more than 4.5 km³ of water release made from the Naryn cascade during the winter times exceeding the agreed schedule led to decrease at this amount the volume of long-term regulation of flow, and hence the energy production.
4. Integrated use, agreed management at the regional level, intersectoral compromises, the order of compensations and as well as agreed primary conditions of the interstate treaties for the time of independence should be preserved and realized into practice. Also, it is expedient to determine the status of the national structures and structures of common use.
5. One of the weakest aspects of the ICWC activities is that its decisions are not always reach the top decision makers of the CA countries. There is also a weak interaction of the ICWC

with its own inside organizations and adjacent sectors. It is necessary to strengthen the ICWC status and broadly inform about its activities and achievements for the purpose of that the last water users and customers would know about the processes of decision-making and their realizations. At the same time it is also expedient to strengthen the statuses of the BWO Syrdary and Amudarya and develop a single unified information system. It is necessary to continue further development of the draft agreements on organizational structure, information exchange, management and protection of water resources, and request USAID to assist in supporting of the working groups and Conciliation Committee.

6. Broader implement the integrated approach for water resources management while actively involving in it the water users themselves using the market mechanisms. With this purpose in mind develop the system of build-up the public opinion on problems of environmental protection and careful attitude to water. Education and training of the careful attitude especially among the growing younger generation in the spirit of traditions and historically prevalent mentality should be implemented since the childhood ages. It is necessary to foresee to include in the ICWC Training Centre's agenda a special course for the specialists of environmental protection. Continue the work on establishment of the Training Centre branches in the Central Asian region.

7. Since before the independence the fuel, energy and water resources were guaranteed in supply to the needs of the states and long-term regulations, there exist conditions to provide the same effectiveness nowadays at the expense of strict fulfillment of obligations by various relevant government structures over supply of fuel and energy resources. Obligation of compromises to each other and accounting the interests of other countries and sectors are called to promote to this. With this goal the schedule and regime of river flow use, the order of water allocation and rules of compensation of reciprocal harms determine the intergovernmental agreements.

8. Current water-energy relations in the region need to be improved. Though the Framework Agreement of 1998 is imperfect, it is expedient to prolong its duration and concurrently start elaborating two alternative approaches to further development of regional cooperation in the sphere of water-energy relations:

9. To work out more well-defined and detailed mechanism of interaction and legitimize it through either adapting appropriate amendments and protocols or concluding special agreements, which would allow avoiding necessity to sign annual agreements. Such issues should worked out in detail (taking into account years with different water content) in these documents as:

- Ecological releases compliance conditions and share of water demand for Nature;
- Over-year regulation assessment;
- Shares of various countries and their obligations as to electric power and fuel;
- Responsibility for observance of mutual obligations.

10. To change over to interlinked but taken separately decisions on managing water and fuel-energy supplies.

With the purpose of elaborating mutually acceptable and beneficial decisions stipulated in above paragraph "b", taking into account interests of all countries and sectors of economy, to apply to ICWC and Energy Counsel members for establishing the Joint Working Group to be entrusted with consideration of the following variants of decisions:

- Charge for flow regulation adjusted to loss of profit;

- Establishing water-energy consortium.

To apply to USAID with the request of finding within the framework of TRID program the way for financing this activity and providing necessary support.

SIC ICWC, BWOs and UEC are to proceed with preparing working materials covering these two variants taking into consideration comments and notes made in the course of discussions.

1. Recommended releases regime for rivers must, regardless of hydro structures designed functions, ensure ecological and sanitary demands of watercourses, as well as to maintain such conditions in deltas and Priaralye, which would not permit damaging fish, waterfowl population and tugai bush. To speed up conclusion of the special agreement dedicated to this issue.
2. To influence the process of water users/consumers way of thinking formation and also philosophy of attitude to water. It is necessary to bring the idea home to every water user/consumer, that though water is a bounty of Nature but being passed through hydro-constructions it acquires cost which has to be paid for. Water saving technology is to be implemented.

The participants welcome and support developing broad-scale practice of mutual discussions as they apply to the backlog of problems in the field of water-energy resources use in Central Asian countries and issues of environment protection on the basis of intersectoral cooperation.

Participants the Seminar-Conference express their gratitude to CIDA, NRMP/USAID, McGill University, and ICWC Training Centre staff, all speakers, SIC ICWC, as well as to BWO “Syrdarya” who ensured proper performance of discussions, and advance their opinion that further search for optimal decisions is necessary by mutual efforts of Central Asian countries.

DAY 1: MONDAY, MAY 20, 2002

ICWC Training Centre Seminar

“Improvement of Regional and Intersectoral Cooperation in the Field of Water Resources”

ICWC Training Centre Hall

4th Floor, BWO Syrdarya, 11 Karasu-4 700187 Tashkent

9:00 – 14:00

Arrival, accommodation, and registration

14:00 – 14:30

Opening Session

Viktor A. Dukhovny

Director of the SIC ICWC

Introduction and Greetings of Guests

- Aleksandr Antonov Honorary Council of Canada in Uzbekistan
- Abdurakhim Djalalov First Deputy Minister, Head of the Water Resources Department of the Ministry of Agriculture and Water Resources of the Republic of Uzbekistan, Chairman of the National Committee of the ICID and Water Management Council of the RU

- David Pearce Head of the World Bank Mission in Central Asia
- Robert Watts Regional Environment, Science and Technology Officer for Central Asia and the Caspian Sea Basin, USA Embassy in Uzbekistan

- Mike Biddison Chief of Party, Central Asia Natural Resources Management Project / USAID

14:30 - 14:50

Acquaintance of Workshop Participants

THEME OF THE DAY:

INTRODUCTION

14:50 – 15:50

The Aral Sea Basin – Reality and Perspectives – **V. A. Dukhovny**, SIC ICWC

15:50 – 16:00

Questions and discussions

16:00 – 17:00

Role of International Organizations in Solution of the Aral Sea Basin Problems – **David Pearce**, World Bank

17:00 – 17:15

Questions and discussions

DAY 2: TUESDAY, MAY 21, 2002

ICWC Training Centre Seminar

“Improvement of Regional and Intersectoral Cooperation in the Field of Water Resources”

ICWC Training Centre Hall

4th Floor, BWO Syrdarya, 11 Karasu-4 700187 Tashkent

THEME OF THE DAY:

DEVELOPMENT SCENARIOS AND PREVENTING THE CONFLICT OF INTERESTS

9:00 – 9:45	Problems of Transboundary Watercourses and Approaches to Solve Them From The Standpoint of International Water Law – V. A. Dukhovny , SIC ICWC
9:45 – 10:00	Questions and group discussions
10:00 – 10:45	Assessment of Perspective Development of Central Asia on the basis of the Aral Sea Basin Model – V. Prikhodko, M. Ruziev , SIC ICWC
10:45 – 11:00	Questions and group discussions
11:00 – 11:15	Coffee Break
11:15 – 12:00	Key factors influencing the water resources development scenarios – N.K.Kipshakbaev , SIC ICWC RK, Kazakhstan
12:00 – 13:00	Questions and group discussions
13:00 – 14:30	LUNCH
14:30 – 15:30	Problems of Integrated Water Resources Management on Transboundary Watercourses. The Case Study of BWO “Syrdarya” – M.H.Khamidov , BWO “Syrdarya”
15:30 – 15:45	Questions and group discussions
15:45 – 16:00	Coffee Break
16:00 – 17:00	Experience of hydrographic management of water resources and possibilities of its implementation in the conditions of the region – V.I.Sokolov , SIC ICWC
17:00 – 17:15	Questions and group discussions

DAY 3: WEDNESDAY, MAY 22, 2002

ICWC Training Centre Seminar

“Improvement of Regional and Intersectoral Cooperation in the Field of Water Resources”

ICWC Training Centre Hall

4th Floor, BWO Syrdarya, 11 Karasu-4 700187 Tashkent

THEME OF THE DAY: WATER-ENERGY COOPERATION

- | | |
|---------------|--|
| 9:00 – 9:45 | Water and energy provision for Central Asian countries and linkage of operational regimes with regional water resources demands – I. D. Ametov , United Power Systems Dispatching Department “Energy”, Uzbekistan |
| 9:45 – 10:00 | Questions and group discussions |
| 10:00 – 10:45 | The creation of an efficient wholesale electric power market in Central Asia: the role of energy and water - Mike Biddison , NRMP USAID |
| 10:45 – 11:00 | Questions and group discussions |
| 11:00 – 11:15 | Coffee Break |
| 11:15 – 12:00 | Coordination problems of Tajik hydropower generation systems’ operations with water resources management – G. N. Petrov , Ministry of Energy, Tajikistan |
| 12:00 – 13:00 | Questions and group discussions |
| 13:00 – 14:30 | LUNCH |
| 14:30 – 15:30 | Fuel and energy balance in Kazakhstan within the boundaries of its Southern part – V. N. Pastushkov , President Advisor on United Joint Stock Company “KEGOK”, Kazakhstan |
| 15:30 – 15:45 | Questions and group discussions |
| 15:45 – 16:00 | Coffee Break |
| 16:00 – 17:00 | Fuel market, energy system of Turkmenistan and international cooperation – V.D.Kochetov , Ministry of Energy, Turkmenistan |
| 17:00 – 17:15 | Questions and group discussions |

DAY 4: THURSDAY, MAY 23, 2002

ICWC Training Centre Seminar

“Improvement of Regional and Intersectoral Cooperation in the Field of Water Resources”

ICWC Training Centre Hall

4th Floor, BWO Syrdarya, 11 Karasu-4 700187 Tashkent

THEME OF THE DAY: WATER-ENERGY COOPERATION (CONTINUATION)

9:00 – 10:00	Conditions for sustainable energy provision in Kyrgyz Republic and ways to maintain regional cooperation – A. G. Zyryanov , Joint-stock Company “Kyrgyzenergy”
10:00 – 10:15	Questions and group discussions
10:15 – 10:30	Coffee Break
10:30 – 11:30	Transboundary watercourses and related energy Cooperation for the Aral Sea basin countries of Central Asia – Ton Lennaerts , NRMP/USAID
11:30 – 13:00	Questions and group discussions
13:00 – 14:30	LUNCH
14:30 – 15:30	Options for economic mechanisms in management of multipurpose reservoirs - A.G.Sorokin, L.A.Averina , SIC ICWC
15:30 – 15:45	Questions and group discussions
15:45 – 16:00	Coffee Break
16:00 – 17:00	Irrigation-Energy regimes modeling - A.I.Tuchin, A.G.Sorokin , SIC ICWC
17:00 – 17:15	Questions and group discussions

DAY 5: FRIDAY, MAY 24, 2002

ICWC Training Centre Seminar

“Improvement of Regional and Intersectoral Cooperation in the Field of Water Resources”

ICWC Training Centre Hall

4th Floor, BWO Syrdarya, 11 Karasu-4 700187 Tashkent

THEME OF THE DAY: WATER-ENERGY COOPERATION (CONTINUATION)

9:00 – 9:45	Perspectives of Syrdarya River Basin management on the territory of Kazakhstan – L.N.Dmitriev , Kazgiprovodhoz
9:45 – 10:00	Questions and group discussions
10:00 – 10:45	Additional possibilities for transboundary water resources regulation – S.D.Jigarev , “HydroProject” Design institute, Uzbekistan
10:45 – 11:00	Questions and group discussions
11:00 – 11:15	Coffee Break
11:15 – 12:00	Experience in implementation of SCADA – automatic management of water structures on transboundary watercourses – Sh. Kh. Rakhimov, I. Begimov , SANIIRI
12:00 – 13:00	Questions and group discussions
13:00 – 14:30	LUNCH
14:30 – 15:30	Exchange of views. Ways for rapprochement of interests.
15:45 – 16:00	Coffee Break
16:00 – 17:00	Exchange of views. Ways for rapprochement of interests.

DAY 6: SATURDAY, MAY 25, 2002

ICWC Training Centre Seminar

“Improvement of Regional and Intersectoral Cooperation in the Field of Water Resources”

ICWC Training Centre Hall

4th Floor, BWO Syrdarya, 11 Karasu-4 700187 Tashkent

THEME OF THE DAY:

ECOLOGICAL ASPECTS OF REGIONAL DEVELOPMENT




9:00 – 9:45	Ecological aspects of the river water resources management – mechanisms of limitation and regulation. – A. A. Djalalov , Ministry of Agriculture and Water Resources, Uzbekistan
9:45 – 10:00	Questions and group discussions
10:00 – 10:45	Problems of ecological balance and development of cooperation between Central Asian countries in the field of nature protection – H. S. Sherimbetov , State Committee for Nature Protection, Uzbekistan
10:45 – 11:00	Questions and group discussions
11:00 – 11:15	Coffee Break
11:15 – 12:00	Environmental problems in the Southern part of the Priaralye – U.A.Ashirbekov , Nukus Branch of the EC IFAS
12:00 – 13:00	Questions and group discussions
13:00 – 14:30	LUNCH
14:30 – 15:30	Environmental problems of the Northern Part of the Aral Sea – L.N.Dmitriev , Kazgiprovodhoz
15:30 – 15:45	Questions and group discussions
15:45 – 16:00	Coffee Break
16:00 – 17:00	Assessment of environmental conditions and requirements for sustainability of deltas – A.I.Tuchin, K.Gromyko , Centre for Water Systems Integrated Research
17:00 – 17:15	Questions and group discussions
17:15 – 18:00	Closing statements

Attachment 2: List of Participants

**CENTRAL ASIA NATURAL RESOURCES MANAGEMENT PROJECT, UNITED STATES AGENCY FOR INTERNATIONAL DEVELOPMENT (NRMP/USAID),
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 Seminar-Conference on “Improvement of Regional and Intersectoral Cooperation in the Field of Water Resources”

May 20-25, 2002

№	Name (First-Middle-Last)	Affiliation/Position	Contacts
Kazakhstan 			
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