

Final Report

on the implementation of the grant ECE/GC/2017/11/025 “Improved understanding of key water management issues by mid-level government officials” .

Kazakh-German University

(1 part -Aktau training (April, 2018); 2 part – Almaty Training (May, 2018))

Narrative report of the Aktau training prepared by the German-Kazakh University

1. BACKGROUND AND CONTEXT

Within the framework of the project 025 “Improved understanding of key water management issues by mid-level government officials”, German-Kazakh University was responsible to implement the following tasks under the grant ECE/GC/2017/11/025:

- Organization of training for civil servants on Integrated Water Resources Management in collaboration with the State Academy of Management under the President of the Republic of Kazakhstan ([State Academy](#)) Aktau, Kazakhstan – April 9 – 11/2018
- Organization of training for civil servants on Integrated Water Resources Management in collaboration with the State Academy of Management under the President of the Republic of Kazakhstan ([State Academy](#)) Almaty, Kazakhstan – May 28 – 30/2018

Below is the description of activities implemented under each of the above tasks.

Task I: Organization of IWRM training for civil servants in Aktau

Based on the previous grant ECE/GC/2017.07.013 the second training for government officials was organized in Mangystay region (Aktau city) in order to cover water professionals from the Southwest region of the Republic of Kazakhstan. The training was organized by the Kazakh-German University with the support of the UNECE and in partnership with the RK State Academy Mangystay branch. The training was organized for 30 participants including trainers and organizational staff. The target audience of the training was the mid-level government staff. The selection process was organized under support of the Committee for Water Resources and made by the State Academy. Afterwards the participants list was transferred to the German-Kazakh University for follow-up coordination.

Three days training consists of the lectures and group work lead by the high level professionals.

The first day was devoted to the political aspects of IWRM in Kazakhstan and transboundary cooperation issues between CA countries. The first day training was lead by the Regional Adviser of the Program on Transboundary Water Resources Management in Central Asia, GIZ Alexandr Nikolaenko.

The second day theme covers IWRM legal issues including Kazakhstan water code discussion. As part of the training, participants updated their knowledge of the legislative framework governing the management of water resources in the Republic of Kazakhstan. The trainer was the Committee of Water Resources national Adviser – Igor Petrakov.

The third day of the training was devoted to the economic aspects of water resources management, which was conducted by the teacher of the Faculty of Economic Sciences German- Kazakh University, PhD – Sadykov Nurislam. During the training, the participants got acquainted with classical and alternative methods for estimating the cost and cost of water in the Republic of Kazakhstan, and also tried to calculate the cost of tariffs and estimate the costs of water consumption. Also the second part covers the field trip to the Mangystau Nuclear Energy Plant (MNEP), where participants have visited the plant facilities including museum, heat and power plant #1 and unique Karakol lake - disposal water reservoir of MNEP.

A total number of participants were 25 civil servants from the following organization of the Republic of Kazakhstan:

1. Zhayy-Caspian Basin Inspection Ministry of Agriculture (MoA),
2. Natural Resources Department and Environmental Management of Atyrau region
3. Aktyubinsk Regional Department of Natural Resources and Natural Resource Management
4. Akimat of Rakhat village of Zhanaozen
5. Tupkaragan district water supply department, Mangistau region
6. Tupkaragan district department of housing and communal services, PT and AD, Mangistau region
7. Karakiyansky district department of housing and communal services, Mangistau region
8. Kyzylorda Oblast Aral district Department of Housing and Communal Services

9. Management of natural resources and nature management, the Office of the Akimat of the West Kazakhstan region
10. Mangistau regional territorial inspection of forestry and fauna of Aktau city
11. Aktau city akimat department of internal policy of Aktau city
12. Aktau City Department of Physical Health
13. ZapKaznadra regional inspection of Aktau city
14. Department of Control of Protection and Subsoil Use of Mangistau Oblast in Aktau
15. Department of the Committee for Regulation of Natural Monopolies, Protection of Competition and Consumer Rights in Mangistau region
16. Mangystau region emergency department
17. Mangystau Nuclear Energy Plant
18. Aktau Gorakimat village Omirzak

2. OBJECTIVES AND TASKS

The main goal of the training was to provide participants with an interdisciplinary perspective on the various components of integrated water resources management, both nationally and internationally. The objectives of the training are:

1. Acquaint participants with the legal, political and economic aspects of water resources management at the international, regional and national levels;
2. Strengthen the capacity of young mid-level government officials responsible for water management at the national level;
3. Establish strong regional cooperation between employees of state organizations of the water sector.

On the gender aspect, 16 men and 9 women took part in the training.

3. FEEDBACK FROM THE PARTICIPANTS

Questionnaires

At the end of each training session, the participants were asked to fill out the evaluation forms of the training on the following grounds:

- the quality of the training organization,
- the quality and scientific novelty of the handout material,
- the quality of teaching the material by the lecturers.

The participants were also asked to leave written comments on the training and the manual. A total of 25 participants have filled in the questionnaires.

According to organization of the training participants were asked to grade training venue and equipment, logistical support and accommodation. The participants have given the following comments **to the training:**

1. The training is well organized logistically. The cooperation between the Kazakh-German University and the State Academy brings the best results for organizing all logistical issues.
2. The mode of the training allows the participants to interact freely with each other and the experts, and allows time and space for discussion and group works, which is beneficial for the learning process and the networking as well.
3. The age structure and diverse backgrounds of the audience has allowed exchanging experience between the participants and contributing to the discussions with diverse arguments.

The participants gave a high grade to the organization of the training (accommodation, training venue and equipment, interpretation, logistical support etc.), the average grade is 4,9.

The participants have given the following comments to the manuals:

1. The content of the training (use) is excellent, satisfactory. The participants noted that the information provided by the experts - was presented as accurately as possible using the most relevant examples.
2. The presentation of the training is excellent, good. The majority of participants of the training highly appreciated the quality of the presentations of the training and noted a sufficient amount of information in the presentations.
3. A good organization of the filed trip and the correct choice of the places was also noted by the participants.

Concerning the quality of lectures and practical exercises, participants evaluated the methods of training, the quality of the discussions and the most interesting part of the training. Participants assessed the training method is appropriate, the group works and the field trip brings different skill sets and various amounts the average score is 5.

4. LESSONS LEARNT

This training was held at a fairly high level, but to improve such training, it is necessary in the future:

1. Conduct more hands-on training on key aspects of water management;
2. Include in the training program the most problematic aspects of water resources management in the Republic of Kazakhstan.

As for the organization, the most important issue will be the organization of excursion trips to water or water management facilities, in order to demonstrate practical actions on water resources management in the field.

5. CONCLUSIONS and the way forward

In general, the training was highly evaluated in accordance with the evaluation forms, participants noted that they, as professionals, found the training topics useful and intend to recommend their organizations to nominate representatives for the next such event, if such is planned. Participants agreed that the existing need to strengthen the capacity of young middle-level civil servants is a necessary component in achieving the goals of sustainable development and the transition to a green economy in the Republic of Kazakhstan. The field trip helped participants not only get to know each other more closely but also improve their knowledge of urban water supply and a unique desalination system.

Organizers are still in contact with the participants and institutions they represent to ensure the participation of other staff members representing these institutions in the second project cycle. New contacts were also established with institutions that were not represented at this time in order to involve a diverse group of participants.

Annexes

- Annex 1. Program of the Training
- Annex 2. List of Participants of the Training
- Annex 3: Form of evaluation
- Annex 4: Curricula of the training

Programme of the training

**Training for civil servants of the Republic of Kazakhstan on key aspects of water resources management in the Republic of Kazakhstan in conjunction with the United Nations / UNDP / UNECE project "Kazakhstan's support for the transition to a green economy model"
9– 11 April, 2018**

Address: “Renaissance” hotel, Mikroraion 9, Mangystau District Aktau, 130000 Kazakhstan

Experts:

- Nikolayenko Aleksandr - regional Adviser of the Program on Transboundary Water Resources Management in Central Asia, German Society for International Cooperation (GIZ)
- Petrakov Igor Alexandrovich – Water Committee Adviser, Ministry of Agriculture Republic of Kazakhstan
- Sadykov Nurislam – PhD, Associate Professor, Teacher of the Faculty of Economic Sciences, German - Kazakh University

Agenda

Monday, April 9, 2018	
Lecturer: Nikolayenko Alexander - Regional Adviser of the Program on Transboundary Water Resources Management in Central Asia	
9:00 – 9:10	Greeting speech Representative of the State. Academy Shakirzhanova Lyubov UNESCO Chair on Water Resources Management in Central Asia at the German – Kazakh University
9:10 – 9.30	Participants short presentations
9:30 – 10:20	Integrated water resources management. Introduction and historical aspects.
10:20 – 11:00	Transboundary water resources management
<i>11:00-11:20</i>	<i>Coffee break</i>
11:20 – 12:00	Basis for the formation of water management base on the Republic of Kazakhstan
12:00 – 12:50	Modern regulatory and legal framework for water resources management in the Republic of Kazakhstan
<i>12:50- 14:00</i>	<i>Lunch</i>
14:00 – 14:50	Modern institutional platform of water resources management in the Republic of Kazakhstan
14:50 – 15:40	Development of sustainable water use in the Republic of Kazakhstan
<i>15:40-16:00</i>	<i>Coffee break</i>
16:00 – 16:50	The economic mechanism of sustainable use and protection of water resources in the legislation of the Republic of Kazakhstan
16:50-17:30	Basin principle of water resources management in the Republic of Kazakhstan
18:00	Dinner
Tuesday, April 10, 2018	
Lecturer: Petrakov Igor Alexandrovich – Water Committee Adviser, Ministry of Agriculture Republic of Kazakhstan	
9:30 – 10:00	Fundamentals of international legislation in the field of protection and use of transboundary waters (Background)

10:00 – 11:00	The main international agreements on the protection and use of transboundary waters (the UN Watercourses Convention, the Water Convention)
<i>11:00-11:20</i>	<i>Coffee break</i>
11:20 – 12:00	The main international agreements in the field of environmental protection related to the use and protection of transboundary waters
12:00 – 12:50	Main international agreements in the field of marine environment protection
<i>12:50 – 14:00</i>	<i>Lunch</i>
<i>14:00 – 15:50</i>	Regional agreements: the Agreement between Kazakhstan and Kyrgyzstan, the Agreement between Kazakhstan and the People's Republic of China, the Agreement between Kazakhstan and Russia
15:50 – 16:10	<i>Coffee break</i>
16:10 – 16:50	Legal basis for water resources management in Kazakhstan
16:50 – 17:30	Regional agreements: Agreement on the Aral Sea Basin
Wednesday , April 11, 2018	
Lecturer: Sadykov Nurislam - Ph.D. , associate professor of CNU	
9:00 – 11:00	System approach in integrated water resources management Classical and alternative methods for estimating the cost and price of water in the Republic of Kazakhstan. Recommendations for improving the use of economic instruments
11:00 – 11:20	<i>Coffee break</i>
11:20 – 12:30	Cost and price of water
12:30 – 12:50	Certificates awarding
<i>12:50 – 13:50</i>	<i>Lunch</i>
<i>13:50 – 17:30</i>	Field trip to Mangyshlak Nuclear Power Plant and Karakol lake

**List of participants on the training for civil servants of the Republic of Kazakhstan on key aspects
of water resources management in the Republic of Kazakhstan**

9-11 April 2018

№	Name	Country	Organization	Contacts
Trainers				
1	Alexandr Nikolaenko	Almaty, Kazakhstan	Regional Adviser of the Program on Transboundary Water Resources Management in Central Asia, GIZ	alexandr.nikolayen ko@giz.de
2	Sadykov Nurislam	Almaty, Kazakhstan	Faculty of Economic Sciences German- Kazakh University, PhD	nurislamingu@ram bler.ru
3	Petrakov Igor	Almaty, Kazakhstan	Committee of Water Resources of RK National Adviser	ipetrakov@bk.ru
Government officials				
1	Kadimov Beibut Latifovich	Atyrau, Kazakhstan	Zhaysy-Caspian Basin Inspection on Regulation and Use and Protection of Labor	8 7122 322 392
2	Kalieva Nurgul Suginbaeva	Atyrau, Kazakhstan	Natural Resources Department and Environmental Management of Atyrau region	8702 1517876
3	Tasbulatov Bulat Erbulatovich	Aktobe, Kazakhstan	Aktyubinsk Regional Department of Natural Resources and Natural Resource Management	+7 708 261 01 52
4	Nagimov Maksat Amangosovich	Aktobe, Kazakhstan	Aktyubinsk regional Department of Ecology	+7 701 734 79 91
5	Chuishbaeva Saulesh Yesenovna	Zhanaozen, Kazakhstan	Akimat of Rakhat village of Zhanaozen	8 (72934) 28045
6	Eliusinova Gulzhan Turkbenbaevna	Zhanaozen, Kazakhstan	Akimat of the village of Tenge in Zhanaozen	8 (72934) 49302
7	Rysbai Erlan Abugaliuly	Fort Shevchenko, Kazakhstan	Tupkaragan district water supply department, Mangistau region	8 701 3331919
8	Zhantuarov Didarbek Basenovich	Fort Shevchenko, Kazakhstan	Tupkaragan district department of housing and communal services, PT and AD, Mangistau region	8 702 966 6686
9	Abilov Beimurat Kubeyevich	Karakijansky region	Karakiyansky district department of housing and communal services, Mangistau region	8 701 5255505 b.abilov@mangysta u.gov.kz
10	Kaziev Azidolla Berdiyevich	Karakijansky region	Karakiyansky district department of housing and communal services, Mangistau region	8 702 131 0566 Turmis_servis@mai l.ru

11	Ayesov Serzhan Muhtaruly	Aralsk, Kazakhstan	Kyzylorda Oblast Aral district Department of Housing and Communal Services	8 702 474 2220, serjan-94.22@mail.ru
12	Saduakasov Myrzadin Nurshadinovich	Aralsk, Kazakhstan	Kyzylorda Oblast Aral District Agriculture Department	8 701 3606732
13	Iskalieva Fariza Zhumabaevna	Uralsk, Kazakhstan	Management of natural resources and nature management, the Office of the akimat of the West Kazakhstan region	Zko_forest@mail.ru , 8(7112)240467
14	Alenov Talgat Maratuly	Aktau, Kazakhstan	Mangistau regional territorial inspection of forestry and fauna of Aktau city	t.alenov@msh.gov.kz
15	Dosatov Gabbas Shanytbaevich	Aktau, Kazakhstan	Mangistau regional territorial inspection of forestry and fauna of Aktau city	Dossatov.g@minagri.gov.kz
16	Eleusinov Murphaiz Orazuli	Aktau, Kazakhstan	Aktau City Department of Physical Health	+7 708 846 37 24
17	Nuryeva Aynash Muratovna	Aktau, Kazakhstan	Aktau city akimat department of internal policy of Aktau city	+7707 4050456
18	Kelbet Almagul Saliholakyzy	Aktau, Kazakhstan	ZapKaznadra regional inspection of Aktau city	+77758814755
19	Sadykov Abzal Balmaganbetovich	Aktau, Kazakhstan	Department of Control of Protection and Subsoil Use of Mangistau Oblast in Aktau	a.sadykov@mangystau.gov.kz 8 7292 60 51 09
20	Kushebaev Kenzhebolat Kuandykovich	Aktau, Kazakhstan	Department of the Committee for Regulation of Natural Monopolies, Protection of Competition and Consumer Rights in Mangistau region	8 (7292) 438411
21	Skendirov Ergali Sisengalievich	Aktau, Kazakhstan	Aktau Gorakimat village Omirzak	8 (7292) 445304
22	Tulepova Raushan	Aktau, Kazakhstan	Mangystau regional department of ecology	8 (7292) 301289
23	Abdiyeva Gulnar Kabyldievna	Aktau, Kazakhstan	State Academy Mangystau office	
24	Markina Olga Vladimirovna	Aktau, Kazakhstan	Mangystau Nuclear Energy Plant	8 (705) 451 3426
25	Lunashuk Oleg Adamovich	Aktau, Kazakhstan	Mangystau region emergency department	Lhch_dchc_mang@emer.kz
Организаторы				
1	Shakirzhanova Luybov	Almaty, Kazakhstan	UNESCO chair on IWRM in CA at the GKU	+7 – (747) 618 5004 email: shakirzhanova@dku.kz

Form of evaluation

How long before training did you receive an invitation?						
What else did you receive besides the invitation? (materials, manuals, etc.)?						
Were the objectives set out at the beginning of the training?	Yes	No				
Did the training correspond to its stated goals?	Yes	Partially	No			
Please leave your comments regarding the aims, objectives and results of the training						
Please rate by the following criteria, where 5 is the highest score, and 1 is the lowest		5	4	3	2	1
Overall quality of trainings	Excellent					poorly
Were the training methods appropriate?	Appropriate					Not at all
Is the content of the training useful for their application in your work?	Usefull					Useless
Did you receive information and knowledge that is new to you?	All					Not at all
How would you rate the presentations of the training?	High					Low
How would you rate the discussion during the training?	High					Low
Did you have an opportunity to discuss the issues that interest you?	Fully					Not at all
Would you recommend this training to your colleagues?	Absolutely					Not at all
What part of the training was the most important for you?						
Please, give us some recommendations on what could be improved in carrying out similar trainings next time.						
Please, evaluate the organization of the training in Almaty, by rating from 1 to 5						
Accommodation						
Transfer						
Dinner						
Coffe-breaks						
Logistic support						

№	Activities	Time period (dd/mm/year2018)	Executor
4	Development of a training plan in cooperation with the State Academy	05/02 –05/03	GKU/State academy
5	Drawing up a list of participants and maintaining correspondence with them	05/03-18/03	GKU/State academy
6	Logistic Support of the training (tickets, booking hotel, coffee-breaks, lunches, dinners)	20/03-03/04	GKU
7	Preparation and printing materials for the training (agenda, manuals, synopsis, list of participants, certificates etc.)	01/04 – 7/04	GKU
8	Travel to Aktau and conducting training on key aspects of IWRM in Aktau	08/04 – 11/04	GKU/State academy/National experts
9	Financial report of the conducted training	20/05 –15 /05	GKU
10	Narrative report writing	25/04 – 20/05	GKU

Annex 5.

Photo gallery



Narrative report of Almaty Training prepared by the German-Kazakh University Almaty, Kazakhstan – May 28 – 30/2018

BACKGROUND AND CONTEXT

Within the framework of the project 025 “Improved understanding of key water management issues by mid-level government officials”, German-Kazakh University was responsible to implement the following tasks under the grant ECE/GC/2017/11/025:

- Organization of training for civil servants on Integrated Water Resources Management in collaboration with the State Academy of Management under the President of the Republic of Kazakhstan ([State Academy](#)) Aktau, Kazakhstan – April 9 – 11/2018
- Organization of training for civil servants on Integrated Water Resources Management in collaboration with the State Academy of Management under the President of the Republic of Kazakhstan ([State Academy](#)) Almaty, Kazakhstan – May 28 – 30/2018

Below is the description of activities implemented under each of the above tasks.

Task I: Organization of IWRM training for civil servants in Almaty

Based on the previous training for civil servants on Integrated water resources management in Aktau (9-11 of April, 2018) under the grant ECE/GC/2017.07.013 the second part of trainings for government officials was organized in Almaty (Kazakhstan) at the German-Kazakh University in order to cover water professionals from the Southeast region of the Republic of Kazakhstan. The training was organized by the Kazakh-German University with the support of the UNECE and in partnership with the RK State Academy Almaty branch. The training was organized for 30 participants including trainers and organizational staff. The target audience of the training was the mid-level government staff. The selection process was organized under support of the Committee for Water Resources and made by the State Academy. Afterwards the participants list was transferred to the German-Kazakh University for follow-up coordination.

Three days training consists of the lectures and group work lead by the high level professionals: Strikeleva Ekaterina – Manager of the Program for Support of Water Initiatives, the Regional Environmental Center for Central Asia, Sydykov Nurislam - Lecturer, Faculty of Economic Sciences, German - Kazakh University, Petrakov Igor - Advisor of the Chairman of the Committee on Water Resources of the Ministry of Environment on water legislation of the Republic of Kazakhstan.

The first day was devoted to the political aspects of IWRM in Kazakhstan and transboundary cooperation issues between CA countries. The trainer – Ms. Strikeleva Ekaterina - provided information to participants on current policy decisions on transboundary cooperation between the countries of Central Asia, as well as conducted a practical exercise on water sharing between the countries of Kazakhstan and Kyrgyzstan on example of the Chu-Talas river basin.

On the second day participants were learning the legal aspects of water management in Central Asia. The trainer – Mr. Petrakov Igor – has covered legislative structure of water resources in Central Asian countries as well as had to speak about water code of the Republic of Kazakhstan.

The first half of the third day of the training was devoted to the economic aspects of water resources management, which was conducted by the lecturer of the Faculty of Economic Sciences German- Kazakh University, PhD – Sadykov Nurislam. During the training, the participants got acquainted with system approach in integrated water resources management in the economic contest, and also tried to calculate the cost of tariffs and estimate the costs of water consumption.

After lunch of the third day of the training participants got opportunity to see the water management system by visiting the Big Almaty Lake, where is located the mudflow dam as well as drinking water supply dam.

A total number of participants were:

- 26 civil servants from the following organization of the Republic of Kazakhstan:
 19. Subsoil use, environment and water resources department of the Ministry of environment of the Republic of Kazakhstan,
 20. Department of Natural Resources and Environmental Management of Akimat of Kostanay oblast
 21. Akimat of Uzynkol district of Kostanay region
 22. Nura-Sarysu Basin Inspection for Regulating the Use of Water Resources Protection

23. Kazvodkhoz, RSE, branch of the South-Kazakhstan region in Shymkent
24. Committee on Water Resources of the Ministry of Agriculture of the Republic of Kazakhstan
25. Aral-Syrdarya Basin Inspection for Regulation of Water Resources Use and Protection
26. Department of Energy and Communal Services of South Kazakhstan Region
27. Branch of RSE "Kazhydromet" for Almaty region
28. Kazakh Scientific Research Institute of Water Management
29. Department of Ecology, Almaty
30. Department of Natural Resources and Environmental Management of Almaty
31. Balkhash-Alakol Basin Inspection
32. Institute of Geography of the Republic of Kazakhstan

- 3 trainers from the Almaty;
- 1 organizer from German-Kazakh University.

OBJECTIVES AND TASKS

The training was aimed to provide participants actual information of the interdisciplinary perspective on the various aspects of integrated water resources management in Central Asia, both nationally and internationally level. The objectives of the training are:

1. Expand the knowledge of the legal, political and economic aspects of water resources management at the international, regional and national levels;
2. Strengthen the cooperation between employees of state organizations of the water sector;
3. Improve the capacity of young mid-level government officials responsible for water management at the national level;

On the gender aspect, 17 men and 9 women took part in the training.

FEEDBACK FROM THE PARTICIPANTS

Questionnaires

In the framework of the improvement of the further trainings participants filled the evaluation forms provided by organizers. The evaluation form includes next positions:

- the quality of the training organization as well as logistic support,
- the quality and scientific novelty of the handout material,
- the quality of teaching the material by the lecturers;
- additional comments to improve the training (by hand writing).

At the end of the training 26 participants filled the form.

The quality of the training organization.

The organization of the training was highly evaluated by participants. The participants noted that the logistic support was timely and organizers were online before, during and after the training. The accommodation and provision for the participants were in a good quality. According to the filled form participants noted the following comments:

1. The time frame of the training was convenient enough for a comfortable pastime as well as communication with the other participants of the training. However, some participants noted that for the mastering of such a quantity of material it is necessary to introduce additional hours of training;

2. Almost all participants noted that the excursion was a good completion of the training and the consolidation of the acquired knowledge. And as many have noted that changing of the training place and traveling outside the city have a beneficial effect on the overall mood between the participants and strengthens cooperation between them.

The organization grade of the training was evaluated like "excellent" with an average grade 5.

The quality and scientific novelty of the handout material.

Participants noted that the manuals of the key aspects of integrated water resources management are quite useful and applicable in their work. The content of the manuals is fully covered all actual questions related to water management in Central Asia as well as in European countries. Some of the participants noted that there are lacks of good examples of the water management in the manuals. The average grade of the quality of the handout materials is 4.7.

The quality of teaching the material by the lecturers.

Within three days the participants of the training were provided with handouts, as well as presentations on key aspects of IWRM. The participants highly appreciated the competence of the trainers and their professional background. According to the participants evaluation, the presentations were qualitatively decorated and contained enough graphic information for a clearer perception. Participants also noted that there were many examples in the presentations. The average score of the quality of teaching is 5.

At last participants noted that they were happy to participate at the training and that this kind of trainings should be on constant time.

LESSONS LEARNT

At the end of the training, despite the high evaluation of the participants, there were some aspects that needed to be improved for the future trainings. For example, there was a needs to improve the manuals on key aspects of IWRM where should be included more practical examples of problem solution related to water resources management.

Another aspect that needs to be taken into account in future trainings is the increasing of the lecture time. Many participants noted that such a quantity of material is difficult to assimilate in such a short time, so for future this kind of the trainings there is a need to increase the hours of lectures and practical classes by approximately 8 lecture hours.

CONCLUSIONS and the way forward

In general, the training was highly appreciated by both participants and coaches. The organizational part done by of the German-Kazakh University and the State Academy was at a high level and the participants were satisfied with the logistics support and the schedule of training sessions.

The quality of teaching and the competence of the trainers were at the highest level as well. Participants noted that during the training they raised their level of knowledge and found answers to their questions. Participants also noted that such trainings are useful to establish contacts between organizations that are profiling in the field of water resources, which in the future will help to strengthen the effectiveness of the work of state structures.

The organizers still in contact with all participants of the training who are ready to advise such trainings to the colleagues.

Annexes

- Annex 1. Program of the Training
- Annex 2. List of Participants of the Training
- Annex 3: Form of evaluation
- Annex 4: Curricula of the training
- Annex 5: Photo gallery

Programme of the training

**Training for civil servants of the Republic of Kazakhstan on key aspects of water resources management in the Republic of Kazakhstan in conjunction with the United Nations / UNDP / UNECE project "Kazakhstan's support for the transition to a green economy model"
28-30 May, 2018**

Address: German-Kazakh University, 111 Pushkina str., Almaty, 050000, Kazakhstan

Experts:

- Strikeleva Ekaterina – Manager of the Program for Support of Water Initiatives, the Regional Environmental Center for Central Asia
- Petrakov Igor Alexandrovich – Water Committee Adviser, Ministry of Agriculture Republic of Kazakhstan
- Sadykov Nurislam – PhD, Associate Professor, Teacher of the Faculty of Economic Sciences, German - Kazakh University

Agenda

Monday, May 28, 2018	
Lecturer: Strikeleva Ekaterina – Manager of the Program for Support of Water Initiatives, the Regional Environmental Center for Central Asia	
9:00 – 9:10	Greeting speech <i>Representative of the State. Academy</i> Shakirzhanova Lyubov <i>UNESCO Chair on Water Resources Management in Central Asia at the German – Kazakh University</i>
9:10 – 9:30	Participants short presentations
9:30 – 10:20	Integrated water resources management. Introduction and historical aspects.
10:20 – 11:00	Transboundary water resources management
<i>11:00-11:20</i>	<i>Coffee break</i>
11:20 – 12:00	Basis for the formation of water management base on the Republic of Kazakhstan
12:00 – 12:50	Modern regulatory and legal framework for water resources management in the Republic of Kazakhstan
<i>12:50- 14:00</i>	<i>Lunch</i>
14:00 – 14:50	Modern institutional platform of water resources management in the Republic of Kazakhstan
14:50 – 15:40	Development of sustainable water use in the Republic of Kazakhstan
<i>15:40-16:00</i>	<i>Coffee break</i>
16:00 – 16:50	The economic mechanism of sustainable use and protection of water resources in the legislation of the Republic of Kazakhstan
16:50-17:30	Basin principle of water resources management in the Republic of Kazakhstan
18:00	Dinner
Tuesday, May 29, 2018	
Lecturer: Petrakov Igor Alexandrovich – Water Committee Adviser, Ministry of Agriculture Republic of Kazakhstan	
9:30 – 10:00	Fundamentals of international legislation in the field of protection and use of transboundary waters (Background)

10:00 – 11:00	The main international agreements on the protection and use of transboundary waters (the UN Watercourses Convention, the Water Convention)
<i>11:00-11:20</i>	<i>Coffee break</i>
11:20 – 12:00	The main international agreements in the field of environmental protection related to the use and protection of transboundary waters
12:00 – 12:50	Main international agreements in the field of marine environment protection
<i>12:50 – 14:00</i>	<i>Lunch</i>
<i>14:00 – 15:50</i>	Regional agreements: the Agreement between Kazakhstan and Kyrgyzstan, the Agreement between Kazakhstan and the People's Republic of China, the Agreement between Kazakhstan and Russia
<i>15:50 – 16:10</i>	<i>Coffee break</i>
16:10 – 16:50	Legal basis for water resources management in Kazakhstan
16:50 – 17:30	Regional agreements: Agreement on the Aral Sea Basin
Wednesday , May 30, 2018	
Lecturer: Sadykov Nurislam - Ph.D. , associate professor of CNU	
9:00 – 11:00	System approach in integrated water resources management
<i>11:00 – 11:20</i>	<i>Coffee break</i>
11:20 – 12:30	Cost and price of water
12:30 – 12:50	Certificates awarding
<i>12:50 – 14:00</i>	<i>Lunch</i>
<i>14:00 –17:30</i>	Field trip to Big Almaty Lake

**List of participants on the training for civil servants of the Republic of Kazakhstan on key aspects
of water resources management in the Republic of Kazakhstan
28-30 of May, 2018
German-Kazakh University**

№	Name	Country	Organization	Contacts
Trainers				
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Form of evaluation

How long before training did you receive an invitation?						
What else did you receive besides the invitation? (materials, manuals, etc.)?						
Were the objectives set out at the beginning of the training?	Yes	No				
Did the training correspond to its stated goals?	Yes	Partially	No			
Please leave your comments regarding the aims, objectives and results of the training						
Please rate by the following criteria, where 5 is the highest score, and 1 is the lowest		5	4	3	2	1
Overall quality of trainings	Excellent					poorly
Were the training methods appropriate?	Appropriate					Not at all
Is the content of the training useful for their application in your work?	Usefull					Useless
Did you receive information and knowledge that is new to you?	All					Not at all
How would you rate the presentations of the training?	High					Low
How would you rate the discussion during the training?	High					Low
Did you have an opportunity to discuss the issues that interest you?	Fully					Not at all
Would you recommend this training to your colleagues?	Absolutely					Not at all
What part of the training was the most important for you?						
Please, give us some recommendations on what could be improved in carrying out similar trainings next time.						
Please, evaluate the organization of the training in Almaty, by rating from 1 to 5						
Accommodation						
Transfer						
Dinner						
Coffe-breaks						
Logistic support						

Annex 4.

Curricula of the training for civil servants of the Republic of Kazakhstan (part 2 – Almaty Training).

№	Activities	Time period (dd/mm/year2018)	Executor
4	Development of a training plan in cooperation with the State Academy	10/03 –10/04	GKU/State academy
5	Drawing up a list of participants and maintaining correspondence with them	10/04-25/04	GKU/State academy
6	Logistic Support of the training (tickets, booking hotel, coffee-breaks, lunches, dinners)	25/04-15/05	GKU
7	Preparation and printing materials for the training (agenda, manuals, synopsis, list of participants, certificates etc.)	15/05 – 27/05	GKU
8	Training	28/05 – 30/05	GKU/State academy/National experts
9	Financial report of the conducted training	31/05 –20 /06	GKU
10	Narrative report writing	20/06 – 20/07	GKU

Annex 5.

Photo gallery

