

	Reporting guidelines	Number of pages: 1 / 9
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Mission reference
2007 C4 T28 M2

Date: 22 August - 03 September 2007
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<h2>Mission report</h2>

Expert Name and Function

Expert 1 - Mr. Iskander BEGLOV

Expert 2 - Mr. Dilmurod SHERMATOV

Expert 3 - Mrs. Gulnora TILYAVOVA

Wording of missions: *In short, objective or content of mission*

The *Uzbekistan-Romania* project is focused on specific areas of interest based on Integrated Water Resources Management (IWRM), that have been identified as:

- Institutional aspects (management and governance of water; hydrographic and administrative-territorial management; horizontal and vertical integration)
- Organizational aspects (operation and maintenance of water systems; planning of water use and water allocation)
- Technological aspects (information systems for water distribution; water accounting and automation)
- Legal aspects (ecological and legal aspects of water management; responsibility and violation of the law in the field of water use and water management)
- Financial aspects (financial interrelations on the national and transboundary waters; main principals of financial interrelationship: “consumer pays”, “pollutant pays”)

A short introduction prior to these specific topics was dedicated to the general administrative framework and functioning of the River Basin Organisation (RBO), departments and structure.

Based on the TWINBASIN^{xn} project principles, it was expected from the mission to:

- Promote a friendly cooperation between water managers
- Tight ties among river basin organisations
- Improve communication between the basins participating in the twinning
- Encourage exchange of expertise, knowledge and technical personnel
- Strengthen effectiveness of integrated water management within organisations
- Improve, overall, the functioning of these institutions

An agenda was previously agreed between the participating River Basin Organisations (RBOs) of Uzbekistan and Romania, and the mission included practical information exchange through informal meetings, visits to the RBO, oral presentations and technical visits to the fieldwork.

1. CONTEXT

Place, location:

Romania, Administratia Nationala "Apele Romane"
No. 6, Edgar Quinet Street, 010018, Bucharest, Romania

Mission duration:

22 August – 3 September 2007

2. OBJECTIVES

	Initial objectives	Results	Results indicator
1	Institutional aspects (management and governance of water; hydrographic and administrative-territorial management; horizontal and vertical integration)	Technical learn about the administrative structure of the "Apele Romane" (included 11 basin directorates in the country). Identification and understanding of the tasks undertaken by "Apele Romane" and basin directorates in charge of water management.	The administrative framework is partly similar. Having some particularities. For example, HydroMeteoService in Uzbekistan is not a part of Ministry of Agriculture and Water Management. It would be interesting to see each department's functioning in depth, as well as coordination among directorates and Apele Romane.
2	Organizational aspects (operation and maintenance of water systems; planning of water use and water allocation)	Understanding of the organizational aspects of water management: operation and maintenance of water systems; planning of water use and water allocation	Comparison of organizational aspects in Romania and Uzbekistan. Identification on fields for possible common development.
3	Technological aspects (information systems for water distribution; water accounting and automation)	Explanation of functioning of the national and basins information systems including hydrogeological database.	Presentation of national information system collects data from all country. National database with hydrogeological data is filled automatically, with the periodicity once a day. Similar basis databases are available in each water directorate. It would be interesting to make in-depth comparison between this DB and DBs of BWOs Amudarya and Syrdarya.

	Initial objectives	Results	Results indicator
4	Legal aspects (ecological and legal aspects of water management; responsibility and violation of the law in the field of water use and water management)	Overview of the main laws and texts ruling water management in Romania.	Comparison of Water Code in Romania and Uzbekistan. The main difference is that Europe is guided, first of all, by WFD and pays special attention to water quality. There is no yet similar directive in Central Asia.
5	Financial aspects (financial interrelations on the national and transboundary waters; main principals of financial interrelationship: “consumer pays”, “pollutant pays”)	Good knowledge about financial interrelations on the national and transboundary waters.	Apele Romane is an organization, which is completely supported through paid water supply services. In order to equip services with required facilities, devices, etc. they attract grants of both the Government of Romania and the international agencies, for example, USAID.

3. ACTIVITIES DEVELOPED during the mission

Activity 1	Topic: The implementation of Water Framework Directive
Description	<p>The more interesting for Uzbekistan’s delegation was their familiarization with WFD in terms of water quality monitoring and management, including surface and ground water. During visits to Water Management System from Mehedinti, Water Directorate Jui, Water Directorate Arges-Wedea, Water Directorate Buzau-lalomita, the members of delegation were became acquainted in details with the principles of operation and with the equipment of laboratories provided with all necessary means to make chemical and bacteriological analyses, as well as the analyses methodology.</p>

Activity 2	Topic: International cooperation
Description	<p>During the mission we were told about details of international cooperation on example of joint Romanian-Ukrainian Commission. Romania is represented by WMS Tulcea. No misunderstanding or any conflict occurred as long as the Commission functions.</p> <p>Another positive example of cooperation is the hydropower dam on the Danube River. One part of HEPS is operated by Romanians, while the other part – by Serbians.</p>

Activity 3	Topic: Training activity
Description	<p>The delegation visited the National Training Center for Water Management “Voina”. Voina is located at about 160 km from Bucharest in a beautiful mountain landscape. The Center may train simultaneously up to 60 people. The visitors were given information on methodology and themes of training seminars.</p>

	Reporting guidelines	Number of pages: 4 / 9
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Activity 4	Topic: Infrastructural measures - dam safety
Description	<p>The delegation visited a number of large hydraulic structures, mainly dams that serve for domestic water supply, flood control, river flow regulation, and energy generation - Portile de Fiert, Siriu, Rausor, Budeasa, and Vidraru Dams. During the visit important information on dam security, building materials and methodologies, water quality and water supply was provided.</p> <p>It should be noted that by the time of visit, Apele Romane tried to solve simultaneously two contrary problems: fight drought in the South that was caused by sudden groundwater level lowering, and control flood in the North (during raining, small rivers spill over banks and flood settlements).</p>

4. LESSON LEARNT during the mission

(what could be shared with other partners and/or introduced in guidelines, as far as IWRM is concerted)

- **About methodology:**

Regarding financial interrelations between Apele Romane and main water users, the approaches developed Apele Romane are very instructive. In Romania, a single price for water is established for the whole country, depending on the type of resource (surface, groundwater and Danube) and the user that it's destined to (industrial, communal manager, agrozootechnic, electric power plants, irrigation, fisheries). These approaches can exemplify for BWO Amudarya and BWO Syrdarya. One of the important factors that Apele Romane, unlike BWO Amudarya and BWO Syrdarya, is responsible for all gauging stations on the rivers, structures, and water management and distribution.

- **About Practice:**

Methods of harmonisations and negotiations concerning the international cooperation within an international river basin are attracting attention.

An experience of interstate water management on Danube river is very useful for BWO Amudarya and BWO Syrdarya.

The principle of information collection and the structure of database in Apele Romane is basically the same as those used in BWO Amudarya, but only in its main office. Unfortunately, such base is not available in its branches and data are inputted manually.

5. DISSEMINATION (opportunities and difficulties)

In what measure these learnt lessons are applicable to:

- **The basin Organization the expert belongs to:**

All the lessons learned during this visit in Romania can be fully or partially used in BWO Amudarya and BWO Syrdarya taking into account the specific conditions of Aral Sea basin and local legislation.

- **National IWRM practice:**

The dissemination of results was extended not only to the departments of BWO Amudarya and BWO Syrdarya, but also to the Ministry of Agriculture and Water Management of the

Republic of Uzbekistan. More formal cooperation agreement is expected to be established between both parties regarding water management aspects (transboundary water and public participation). Besides, SIC ICWC, being one of the main executors of the project “Integrated Water Resources Management in the Fergana Valley”, will disseminate project results among the project executors in three riparian countries, such as Uzbekistan, Kyrgyzstan, and Tajikistan at the level of basins and WUA.

- **Regional experience:**

As long as BWO Amudarya, BWO Syrdarya and SIC ICWC are executive bodies of Interstate Commission for Water Coordination in Central Asia (ICWC), mission report will be submitted to all the members of ICWC, as well as to water resources departments/ministries in all five republics of the Aral Sea basin. The technical and human experience may encourage other countries of Aral Sea to participate in the TWINBASIN project and benefit from technical missions applied to IWRM.

- **Worldwide:**

The dissemination of results will be developed through meetings of the International Network of Basin Organizations (SIC ICWC supports Russian language section of INBO’s web site), Global Water Partnership Central Asia and Caucasus, and other international organizations dealing with IWRM issues. Also, the use of websites, meetings at the Ministerial and regional levels, brochures and CDs may help in disseminating results, and pin-point future possible cooperation activities.

6. IDENTIFIED TIPS

Identified tips which could be useful for colleagues

It is necessary to maintain and follow-up communication between basin organizations as established during the visit. Moreover, it is possible to organize twinning visits of Romanian professionals to other region’s countries, including Kyrgyzstan, Kazakhstan, Tajikistan and Turkmenistan. All possible technical and logistical questions should be clarified to avoid misunderstanding. Language, may of course, becomes a working barrier. It is important to identify technicians that will be able to communicate in one or another language.

7. PERSONAL COMMENTS

What does the missionary think about his mission?

As a whole the mission was very interesting, useful and well organized. For the duration of visit, visitors from Uzbekistan offered remarkable support of Romanian colleagues, both in technical and personal aspects. The presentations and materials offered were of great interest and highly detailed technically, and were very much appreciated by the Uzbek participantns, who were impressed by the quality and efficiency of the work carried out in Apele Romane.

8. CONTACTS

Principal local contacts met

Name	Occupation	Email	Phone number
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9. BIBLIOGRAPHY

Main documents, manuals or supports used during the mission which could be useful for colleagues

Name	Description / Notice
Apele Romane National Administration	PowerPoint Presentation
Apele Romane National Administration	Brochure
Arges Vedea Water Directorate	PowerPoint Presentation
Buzau-lalomita Water Directorate	Brochure
Water Management System of Mehedinti	Brochure (in Romanian)

Websites		
Name	Description/ Notice	Address
Apele Romane	Information on the governmental institution in charged of water management; its projects, works, WFD activities, events and news.	www.rowater.ro
Buzau-lalomita Water Directorate	All information regarding the Buzau-lalomita River Basin Authority: functions, works	www.rowater.ro/ViewTopics.asp?Topic=1017&lang=EN
Arges-Vedea Water Directorate	All information regarding the Arges-Vedea River Basin Authority: functions, works	www.rowater.ro/ViewTopics.asp?Topic=1016&lang=EN
Dobrogea-Litoral Water Directorate	All information regarding the Dobrogea-Litoral River Basin Authority: functions, works	www.rowater.ro/ViewTopics.asp?Topic=1020&lang=EN
Jiu Water Directorate	All information regarding the Jiu River Basin Authority: functions, works	www.rowater.ro/ViewTopics.asp?Topic=1014&lang=EN
European Water Framework Directive	All information regarding the European Water Framework Directive	http://ec.europa.eu/environment/water/water-framework/index_en.html
EU Water Initiative	All information regarding the EU Water Initiative	http://www.euwi.net/
Romanian Institute of Statistics	Statistical data of the country	www.insse.ro
Central and Eastern European Network of Basin Organisations	All information related to INBO's regional network: activities, projects, budgets, etc.	www.ceenbo.org

N.B. This framework provides necessary information for further capitalisation and dissemination, but should not prevent experts from making any other comments (as far as basins characterisation is concerned, for instance).

**Mission reference**

2006 C4 T28 M2

Date:22 August - 03 September
2007

Financial report

Expert Name: Mr. Iskander BEGLOV

Date of arrival	Date of departure	Number of days	days cost (€)	travel cost (€)	Total*
22 AUG 2007	03 SEP 2007	14	14 * 70 = 980	582	1562

Expert Name: Mr. Dilmurod SHERMATOV

Date of arrival	Date of departure	Number of days	days cost (€)	travel cost (€)	Total*
22 AUG 2007	03 SEP 2007	14	14 * 70 = 980	582	1562

Expert Name: Mrs. Gulnora TILYAVOVA

Date of arrival	Date of departure	Number of days	days cost (€)	travel cost (€)	Total*
22 AUG 2007	03 SEP 2007	14	14 * 70 = 980	582	1562

Name and address of the Basin Organisation :

Account number: 048070808 USD BIK: 190501724 SWIFT: KZKOKZKX
Account holder: "Aral Consult" Ltd RNN 600500511034
Account holder's address: off. 452, 434, Seyfullin str., Almaty, 480091, Republic of Kazakhstan
Bank's name: KazKommertsBank, Almaty Branch
Bank's address: 135zh, Gagarin Ave., Almaty, 480060, Republic of Kazakhstan
Corresponding Bank: American Express Bank Ltd New York, USA
Account number: 729756 USD SWIFT: AEIBUS33

Papers to join:

- Original justificatives : Plane Ticket and Boarding Pass**

Just keep one copy of due justificatives for yourself.



Send due report to following address:

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