

	Reporting guidelines	Number of pages:
--	-----------------------------	-------------------------



Mission reference
2007 C5 T36 M1

Date :
10.07.2007

Mission report

Expert Name and function	Expert 1 - Nieves Mondejar Martin Expert 2 - Miguel Polo Cebellan
---------------------------------	--

Wording of mission	<p><i>In short, objective or content of mission</i></p> <p>The project is focused on specific areas of interest based on Integrated Water Resources Management (IWRM), that have been identified as:</p> <ol style="list-style-type: none"> 1. Balance between the ecosystems needs on water quantities and the increasing water demand of private and public users 2. Transfer of water between the river basins <p>A short introduction prior to these specific topics was dedicated to the general administrative framework and functioning of the River Basin Authority departments and structure.</p> <p>Based on the TWINBASIN^{xn} project principles, it was expected from the mission to:</p> <ul style="list-style-type: none"> - Promote a friendly cooperation between water managers - Tight ties among river basin organisations (RBOs) - 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
---------------------------	--

Supprimé : ¶

1. CONTEXT

Place, location	<i>Country visited, Basin Organization concerned, other information about location</i> BULGARIA, West Aegean Sea River Basin Directorate (WASRBD) in Blagoevgrad e-mail bdblg@wabd.bg Tel +35973/88-947-102
Mission duration	<i>11th to 17th June 2007</i>

2. OBJECTIVES

Initial objectives	Results	Results indicator <i>explain with some details how far the results have been achieved if compared to initial objectives</i>
1 Introduction	<p>A general introduction on relevant topics was provided to the engineers participating in the mission. Information regarding administrative framework, public hydraulic works, flood prevention and legislation was provided in order to offer basis for the detailed examination of the two main working topics (below).</p> <p>In addition, they visited a dam, and learned about the shared competences among the different entities in charge of water management</p>	<p>A good comparison of entities, their methodologies and functioning was made possible during and after the visit. Both engineers had the opportunity to obtain a general overview of the WASRBD</p>
2 Balance between the ecosystems needs on water quantities and the increasing water demand of private and public users	<p>Mission participants were provided with information on balance between the ecosystems needs on water quantities and the increasing water demand of private and public users</p> <p>There was an exchange of information on this topic and Spanish participants were asked to explain about the problems in Jucar Basin.</p>	<p>Presentations and technical visits were provided, and development of compared methodologies in this aspects in water management between both RBOs.</p>
3 Transfer of water between river basins	<p>The participants learned about the works developed by WASRBD in the transfer of water of his basin to the East Aegean Sea River Basin Directorate</p>	<p>Fortunately the WASRBD doesn't have the social problems that Spain has between different regions to make inter basin transfers, because the administrative organization in Bulgaria is easier than in Spain.</p>

3. ACTIVITIES DEVELOPED DURING THE MISSION

Activity 1	Topic : Institutional (11th June)
Description	<p>Meeting with the Bulgarian Deputy Minister of Environment and Water , Mrs Katchakova, in Sofia and then transfer to Blagoevgrad and meeting with Director of the West Aegean Sea River Basin Directorate, Mr</p>

	Reporting guidelines	Number of pages:
--	-----------------------------	-------------------------

	<p>Dinov. Topics discussed during this meetings were the general organisation of the water management in both countries. The participants noted that the public water administration in Bulgaria is more centralised than in Spain where RBO are autonomous organisations.</p>
--	---

Activity 2	Topic : <i>Communication (12th June)</i>
Description	<p>Participation in a Workshop about “Quantification of pollution sources and risk assessment of surface water of Mesta River” The communication was presented by a group of Danish technicians who have been working on the project called Integrated water management in Mesta river basin. This project is implemented in the frame of PHARE Cross Border Cooperation Programme Bulgaria-Greece 2005 in conjunction with Bulgarian technicians. In this workshop we could see how the Danish have implemented the WFD, and their problems, that this are very different than in Spain. The main problems is the lack of Waste Water Treatment Plants / but in the near future the WWTP for the town of Blagoevgrad will be built / and other problems more complicated in relation with the transboundary rivers.</p>

Activity 3	Topic : <i>Legal aspects (13th June)</i>
Description	<p><i>Exchange of experience and practice</i></p> <p>As an introduction to the working topics, one technical day was dedicated to introduce to both engineers the administrative framework of WASRBD of Bulgaria. Bulgarian technicians provided visits to the different buildings, descriptions of departments, areas and their functioning, as well as an overview of legislation on the national level for WFD implementation, quality problems and flood prevention. The representatives visited the different departments, meeting their major representatives and learning about their functions <i>in situ</i>. In addition, they learned about the climatic and geographic characteristics of the region through technical visits.</p> <p>The presentations provided covered technical topics, including:</p> <ul style="list-style-type: none"> ○ Presentation: administrative/legal framework, WASRBD building visit, description of departments, areas and their functioning ○ Introduction to water management in the RBO, and its exploitation systems (sub-basins). ○ River basin management plan. ○ Transposition of European Directives to the Bulgarian legislative framework ○ Infrastructures, investments in hydraulic works ○ Losses in economic amounts (flood prevention investment needed): vulnerable areas, risk assessment by basin and provinces

	Reporting guidelines	Number of pages:
--	-----------------------------	-------------------------

Activity 4	Topic : <i>Technical visits (14th and 15th June)</i>
Description	<p>Technical visits were organised to the</p> <ol style="list-style-type: none"> 1. Dospat Dam. Here the Spanish technicians knew that in Bulgaria there was problems created by people throwing away waste, like plastic bottles, because all this waste was accumulated in the Dams. 2. Hydropower Plant in Rila Mountains 3. Fish Farm in Rila Moutains. 4. Several Mineral Well Points (Thermal waters). Here was very curious for the Spanish delegation that this well points belong to the Bulgaria state and no to the users. The ownership is according to the Water Act. 5. Greenhouse related with the use of water. Very interesting for the Spanish delegation was the high price of water because in Spain water is free for uses like agriculture if it is extracted from a well point. 6. Stone factory related with the discharges to rivers. Here the Spanish delegation could see that the control of discharges are very similar to Spain.

4. LESSONS LEARNT during the mission (*what could be shared with other partners and/or introduced in guidelines, as far as IWRM is concerned*)

- **About Methodology :**

Mainly the most interesting aspect learnt about the methodology is that the political administrative organisation is easier than in Spain and so, there are less social problems between different regions, Bulgarian administrative procedures involve less time and are easier.

Another important difference with the Jucar Basin is that in the WASRBD they have large volume of surface water, and for this reason, they don't have as many problems as Spain does in regards to water use. It is important to highlight that in Jucar Basin the pressures on water are stronger than in the WASRBD because in this part of Bulgaria the industrial and agriculture activity is much too scarce.

- **About Practice:**

5. DISSEMINATION (opportunities and difficulties). In what measure these learnt lessons are applicable to :

a) The Basin Organisation the expert belongs to:

The knowledge and exchange of expertise acquired were shared and discussed with different departments within the Júcar RBO. The coordination and development of the mission was carried out by the Hydrological Planning Department, nevertheless, the technicians belong to

the Water Commissariat, and other departments like the Secretariat, and the Technical Department, shared views and technical questions. After the development of the mission, emails were exchanged and meetings were held in order to disseminate all the results. In addition, an internal report was circulated within the Júcar RBO departments. This process of dissemination reinforced the importance and effectiveness of the technical exchange.

Nevertheless, unfortunately, after seeing the WASRD it can be established that problems with water in the Júcar Basin are more a political than a technical question, because problems in the Spanish Basin need changes in laws and other economical development policies.

b) National IWRM practice:

The dissemination of results was extended not only to the Júcar RBO departments, but also to the Spanish Ministry of environment. A more formal cooperation agreement is expected to be established between both parties regarding water management aspects (coastal water, transboundary water, WFD implementation, and public participation).

The approach to the techniques with which a different country resolves the practices of WFD implementation, can be extremely helpful for other RBOs in Spain, not only for the Júcar RBO.

c) Regional experiences:

Because the Júcar RBO hosts the Mediterranean Network of Basin Organisations (MENBO), the learnt lessons will be disseminated during upcoming Mediterranean regional meetings. As before, the experience will be presented to other RBOs who might be interested, and will hopefully result in the promotion of further twinings between other Mediterranean RBOs. The technical and human experience may encourage other Mediterranean countries to participate in projects like TWINBASIN and benefit from technical missions applied to IWRM.

d) Worldwide:

Further dissemination of results will be developed through meetings of the International Network of Basin Organisations, Global Water Partnership Mediterranean, and other international organisations 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

In order to ensure the success and the accessibility to the technical interests of the mission, according to the project's objectives, it is vital that a fluent and regular communication is maintained, not only during the development of the mission, but also during previous and subsequent stages.

In order to have basic knowledge on the subjects to be analysed, it is interesting to revise the documentation of previous participations as well as the current situation in the administration to be visited.

It is important to maintain fluent and frequent communication prior and after the mission, to ensure its success and the technical interests agreeing with the project's objective. All possible technical and logistical questions should be clarified to avoid misunderstanding.

Linguistic aspects might, of course, cause an impediment at some point, hence the importance of assigning technicians who will be able to communicate in a second language. It is essential to identify and appoint technicians who have a real interest in other countries' water management techniques, and who are open to different cultures. Motivation and positive predisposition are fundamental aspects to guarantee the success of the mission, and the lack of it could put it in jeopardy. A good idea would also be to revise technical vocabulary associated to the subjects to be analysed prior to the mission.

7. PERSONAL COMMENTS

What does the missionary think about his mission?

For the duration of the visit, Bulgarian technicians offered remarkable support to the Spanish visitors, both in the technical and in the personal aspect. The presentations and materials offered were of great interest and highly detailed technically, and were very much appreciated by the Spanish technicians, who were impressed by the quality and efficiency of the work carried out in WASRBD.

Technicians involved noticed that both administrative systems are very similar. The water management framework and departments' functioning are as well similar, which made easy the understanding of their competences.

The experience in Bulgaria was very interesting for the Spanish delegation because the Bulgarian technicians distributed the time of technical lessons with technical visits very well. So during the visits it was possible to discuss the topics of the exchange and at the same time the Spanish experts could see everything they were interested in.

The visit of the Spanish delegation to Bulgaria was enlarged for some additional visits of the two technicians to other sites of interest in the area. Due to the very helpful tips and detailed information of the Bulgarian hosts these days have been also very fruitful and satisfying.

8. CONTACTS

principal local contacts met

Name	Occupation	E-mail	Phone Number
<i>Lubka Katchakova</i>	<i>Deputy Minister of Environment and Water</i>	<i>l.katchakova@moew.government.bg</i>	<i>+35929406181</i>
<i>Galina Balusheva</i>	<i>Senior Expert Water Protection Department Ministry of Environment and Water</i>	<i>galia@moew.government.bg</i>	<i><u>+35929406604</u></i>
<i>Vladimir Borislovov</i>	<i>Director of WASRBD</i>	<i>bdblg@wabd.bg</i>	<i>+35973/88-947-102</i>

	Reporting guidelines	Number of pages:
--	-----------------------------	-------------------------

<i>Dinov</i>			
<i>Todor Hristov Dundalov</i>	<i>Inspector</i>	bdblg@wabd.bg	+35973/88-947-102
<i>Rositza Georgieva Vasileva</i>	<i>Chief of Department</i>	bdblg@wabd.bg	+35973/88-947-102
<i>Lyubomir Markovski</i>	<i>Chief expert water Monitoring Department</i>	lubomirmarkovski@wabd.bg	+35973/88947126
<i>Galina Kuleva</i>	<i>GIS expert</i>	galinaing@yahoo.com	+35973/88-947-102
<i>Krasimir Kulev</i>	<i>GIS expert</i>	Krasimirkulev@yahoo.com	+35973/88-947-102

9. BIBLIOGRAPHY

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

Name	Description / Notice
Structures and responsibilities in the field of drinking water supply and wastewater treatment	Presentation
Delineation and characterisation of groundwater bodies in WASRBD	Presentation
Presentation of the state of plan of the implementation of the WFD in Bulgaria and the national strategy used for the basin characterisation	Paper
Water Management Bulgaria	Power Point presentation
Monitoring Systems for the Water Quality	Power Point presentation
Several other papers but unfortunately written in Cyrillic alphabet.	

Websites		
Name	Description / Notice	Address
WASRBD	<i>Information about the RBO</i>	www.wabd.bg

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).



Reporting guidelines

Number of pages:

Mission reference
2007 C5 T36 M1

Date:
10.07.2007

Financial report

Expert Name: Nieves Mondejar Martin and Miguel Polo Cebellan

Date of arrival	Date of departure	Number of days	days cost (€)	travel cost (€)	Total*
7 June 2007	21 June 2007	7 (11-17 June)	80	767,10	1887,10

* We use the Oandacurrency converter to exchange in euro at the date on the travel invoice.

Name and address of the Basin Organisation :
 To: CONFEDERACION HIDROGRAFICA DEL JUCAR
 Bank's name: BANCO DE ESPAÑA
 Bank's address: C/ BARCAS, 6. 46002 VALENCIA
 Account number: 0200000187
 Bank Code: 9000
 IBAN code **: ES03 9000 0066 90 0200000187
 SWIFT BIC CODE: *ESPBEMM*

** IBAN CODE is only for European country.

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:

Techware c/o hydrocontrol
 Project TWINBASIN
 Strada 52 Poggio dei Pini
 09012 CAPOTERRA. (CA)
 ITALY
 E-mail: info@techwarenet.org
 Fax: +39 070 725 478