



TWINBASIN MISSIONS : REPORTING GUIDELINES

Mission reference
2005 C2 T6 M 1,2,3 and 4

Date :
04.04.2006

Expert Name and function	Expert 1 Jordan Yanakiev Expert 2 Georgi Yanev Expert 3 Javor Dimitrov Expert 3 Cenka Vasileva
---------------------------------	---

Mission Report

Wording of mission	<p><i>In short, objective or content of mission</i></p> <p>BSBD Varna- Dobrugea Littoral Constanta project focuses on specific areas of interest , based on Integrated Water Resources Management (IWRM), that have been identified as;</p> <ul style="list-style-type: none"> • Implementation of the Water Framework Directive (WFD): •GIS • <i>Costal erosion and corrosion;</i> • <i>Integrated costal zone management;</i> • Administrative framework (organization of the River Basin authority) <p>There are specific goals and numerous of expectations associated to the BSBD- Dobrogea Littoral project. Overall, from the twinning between the basin organizations, much is expected to be gained regarding the operation of the other's organization, as well as the exchange of practices and knowledge on IWRM that will help improve their work. Based on the TWINBASIN XN project, it is expected that BOs will:</p> <ul style="list-style-type: none"> • Promote a friendly cooperation between water managers. • Strengthen ties among basin organizations. Improve contact between the basin management organizations participating in the twinning project. • Encourage the exchange of expertise, knowledge and technical personnel. • Improve the effectiveness of integrated water management within organizations. • Improve the overall functional operation of these institutions.
---------------------------	--

1. CONTEXT

Place, location	<p><i>Country visited, Basin Organization concerned, other information about location</i></p> <p>ROMANIA, ADMISTRATIA NAIONALA APELE ROMANE DOBROGEA – SEASIDE Water Directorate Address: 127 Mircea cel Batran Str.;Constanta</p>
Mission duration	One week 27March – 02 April 2006

2. OBJECTIVES

	Initial objectives	Results	Results indicator
1	<p>Exchanging information for the implementation of the Water Frame directive 2000/60/EC (WFD)</p> <p>-The GIS</p> <p>Work development in article 5 , 6 and 7 of WFD 2000/60</p>	<p>Concept, methodology , and adaptation of WFD for Integrated Water Resources Management (IWRM) in Dobrogea Littoral Water Directorate</p> <p>GIS development according to the WFD equipments</p> <p>GIS development according to the WFD equipments</p> <p>Surface water bodies , groundwater and ICZM,</p>	<p>Possible application of the structure of GIS in Dobrogea Littoral Water Directorate</p> <p>Possible application of the structure of GIS in Dobrogea Littoral Water Directorate</p> <p>Due to similar conditions (climatic, environmental, water uses, water scarcity, etc) between the two basins, the developed methodologies in Dobrogea Littoral Water Directorate for the adaptation of WFD could be applicable for the BSBD Varna and for other river basins of Bulgaria.</p> <p>Furthermore the results are comparable and have are further value beyond the common water policy</p>

		article 6 Registration of protected areas of Dobrogea Littoral Water Directorate	in Black sea region.
2	Administrative frame work Organization of the river basin authority : all departments an there functions.	Technical learn about the administrative structure of Ministry Apele Romane N.A., (there are 11RB directorates in country) and Dobrogea Littoral Water Directorate.	The administrative framework is not similar; Having some particularities. For example: administrative structure and organization at basin level. It would be interesting to see each department's functioning in depth as well as coordination among Dobrogea Littoral Water Directorate.

3. ACTIVITIES DEVELOPED DURING THE MISSION

Activity 1	Topic : <i>(Legal aspects, Regulation, Institutional, Finance, Communication ...)</i> <i>Institutional Framework and Capacity building of Dobrogea Littoral Directorate</i>
Description <i>(Exchange of experience or practice, Increasing of knowledge and learning, Development of methodology, Training ...)</i>	Exchange of experience and the acquaintance with administrative framework and capacity of Romanian institution, responsible for integrated water management at the basin level. Visit Dobrogea Littoral Directorate in Constanta ,- description of departments , areas and it functioning . We had the chance to visit the individual Basin Directorate and observe how it function.
Activity 2	Topic : Costal erosion and corrosion Infrastructure of Dobrogea Littoral Basin Directorate
	Visit the Romanian Black Seashore from Mamaia to Mangalia,

Description	<p>observing the coastal zones affected by erosion phenomena:</p> <p>a). Mamaia- in front of Hotel Parc</p> <p>b). Eforie North- near Belona lake</p> <p>c) Eforie South</p> <p>d) Mangalia – Hotel President</p> <ol style="list-style-type: none"> 1. Discussions and comparing Bulgarian and Romanian sea coast from sediment formation point of view, which are very similar in Dobrogea area. 2. We also observed the similar phenomena of infiltration of sea water in sand beach , which produced land sliding and land falls. 3. In Romanian Black sea coast many of dams were constructed improperly, which lead to changing direction of sea currents, producing erosion of cliffs. <p>The major difference is the structure of coastal zone sediments, as in Romania is composed from lime stones and loess, not being naturally protected. In Bulgaria the coast structure is rocky , which represents a natural protection for erosion.</p>
Activity 3	Topic: Implementation of Water Framework Directive CBC cooperation between both basin directorates in pre – accession period.
Description	<p>To gain knowledge and experience, regarding of preparation of River Basin Management plan (RBMP) for surface water, ground water and Integrated costal zone management (ICZM). Discussion for the Overviews of each Directorates river management plan, Directive's deadlines and its challenges.</p> <p>Presentation of the progress done by BDBD and Dobrogea Littoral in incorporating the requirements of the 5th , 6th and 7th article of WFD.</p> <ul style="list-style-type: none"> - Basin characterization; - 'Pressures and impacts - Protected areas - Economic analyses - GIS. <p>Discussions in working group.</p>
Activity 4	Topic: Beach management in Romania
Description	<p>Experience exchange regarding normative / legislation of ICZM strategy.</p> <p>According to Romanian legislation, the attribution of Dobrogea Littoral Water Directorate is administration of beaches of Romanian Black sea shore. This Directorate also controls condition of beaches, supervising pollution preventions and economical agents which have rental contracts.</p> <p>In Bulgaria this attributions are not responsibility of BSBD, all this</p>

	<p>actions being accomplished by other authorities. Cooperation of both parties involved in Black sea coastal area.</p> <p>Analysis of situation and determination of major aims for future action.(in short time period)</p>
--	--

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 :**

Presentation of GIS system, which was already implemented in BSBD Varna, regarding the underground water bodies and preparation of digital maps.

Tr da prodalja s JORo

As river basin analysis in BSBD Varna is still in progress, the developed methodologies in Dobrogea Region, Romania according to WFD requirements, can be used in Bulgarian Black sea Basin.

- **About Practice :**

First meeting with introduction of experts and exchange of information on key points of mission : costal erosion, corrosion and Costal zone management.

The technical visit to Techirghiol lake, between Constanta and Mangalia (Scope: costal zone management) was very useful concerning ecological restoration of the region.

The Techirghiol Lake's protective system is a concrete engineering solution for collective drainage and discussions of three phases of project (since 1972 until now), are very interesting.

The fact that Dobrogea Directorate's experts provided us photos of visited aria , in different stages of execution , was very much appreciated.

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

a) The Basin Organization the expert belongs to:

The learnt lessons are applicable in BSBD Varna especially for departments : Water and water economic cadastre, administrative economic department; Control connection with other institution and PR department ;planning and management department. The dissemination of information could be performed through the site of BSBD Varna (www.bsbd.org) , as well as directly by e-mailing information to people involved in relevant issues.

b) National IWRM practice:

The learnt lessons are applicable to the Ministry of environment and water MOeW , Water Direction. The dissemination of information could be performed through the

site of MOeW (www.moew.government.bg), as well as directly to the people involved in different activities.

c) Regional experiences:

The learnt lessons and obtained information are applicable to the International Network of basin Organizations. In particular the Mediterranean Network of Basin organization on the related to the implementation of WFD the EURO- INBO – group. The information could disseminate by Internet through the site of INBO (www.Inbo.org).

d) Worldwide :

The learnt lessons as well as obtained information are applicable to the International Network of basin Organizations. Particularly, The Mediterranean Network of Basin organization on the related to the implementation of WFD the EURO- INBO – group. The information could disseminate by Internet through the site of INBO (www.Inbo.org).

Furthermore, the specific web site that has been designed for The TWINBASIN project (www.twinbasin.org), could facilitate the exchange of information on best water resources management practices of River Basin Organization.

6. IDENTIFIED TIPS

☞ *Identified tips which could be useful for colleagues*

The missions are characterized as a successful, achieving all goals, and some contributing to the that are summarized below:

- An agreement on the agenda before the mission;
- Experts should present the related to the agenda topics;
- PowerPoint presentations;
- Demonstration of software, electronic maps, GIS, etc.
- Inside visit and discussions with the involved experts;
- Preparations of a dossiers, including all relevant information, articles, maps etc.

7. PERSONAL COMMENTS

☞ *What does the missionary think about his mission*

The mission was very interesting, useful and was well organized.

It should be mentioned that that over 25 people were involved in different activities developed. The people involved are experts in a specific field concerning the management of water sources. Furthermore, the hospitality and warmth of all Romanian people (typically Balkan's people trait), turned a business trip to a wonderful experience exchange for all participants.

Attached photos from missions.

A very important remark is, that water management systems are similar, but we found out also that we have some differences in some activity. In that reason, we determined in details all differences, which helps us to decide major problems.

Bulgaria and Romania are the countries in pre-accession period to EU Membership

and they are very close, concerning Integrated Water Management (IWRM) concept. They are similar as basin authorities and they are quite close in principles and concepts for implementation of WFD 2000/60 EC.

8. CONTACTS

☞ *principal local contacts met*

Name	Occupation	E-mail	Phone Number
Feta Selvis	<i>International Project Coordinator</i>	<i>selvis.feta@dadl.rowaters.ro</i>	<i>0040241673036</i>
Antonaru Otilia	Engineer	<i>otilia.antonaru@dadl.rowater.ro</i>	<i>0040241673036</i>
Caraiani Aurelian	<i>Inspector</i>	<i>Traian.corjeutanu@dadl.rowater.ro</i>	<i>0040241673036</i>
<i>Pascale Stelian</i>	<i>Economist</i>	<i>Stelian.pascale@dadl.rowater.ro</i>	<i>0040241673036</i>
<i>Kertesz Laurentiu</i>	<i>hydrogeologist</i>	<i>laurentiu.kertesz@dadl.rowater.ro</i>	<i>0040241673036</i>

9. BIBLIOGRAPHY

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

Bibliography	
Name	Description / Notice
<i>Coastal Planning and Management</i>	<i>Hydrological basin plan of Romania</i>

Websites		
Name	Description / Notice	Address
	<i>APLE ROMANE National administration Dobrogea Littoral Water Directotate. Constanta</i>	<i>www.rowater.ro</i>

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).