



Mission reference

2007 C5 T29 M2

Date: 10.10.2007

Mission report

Expert Name and Function

Expert 1 Malgorzata Badowska - vice Director of RWMB in Warsaw

Expert 2 Teresa Zan - vice Director of RWMB in Warsaw, Basin Board (formerly Inspectorate) in Lublin

Expert 3 Lidia Hajduk – Head of Water Management Dep., Basin Board in Lublin

Expert 4 Lucjan Gos – Specialist of Water Protection, Basin Board in Lublin

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

WFD implementation seminary – exchange of information about financing and control of water management in Poland and Ukraine, tasks of both basin organisations during implementation of WFD and discussion and approval of documents elaborated in Mission I and plans of cooperation in the year 2008.

1. CONTEXT

Place, location:

*Western Bug Basin Water Department (WBBWD) in Lutsk
1, 8 Bereznya street
43005 Lutsk, Ukraine*

Mission duration:

03-05.10.2007

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	<i>Presentation of results of the Mission I workshops - analysis of possibility of using of Polish experiences in the WFD implementation in Ukrainian part of the Bug basin</i>	<i>a list of problems and difficulties in adaptation of Polish experiences in Ukrainian part of the Bug river basin.</i>	<ul style="list-style-type: none"> ▪ <i>2 presentations have been presented</i> ▪ <i>program of “rivers passports” in WBBWD area has been presented. The passport contains data needed for proper implementation of the WFD.</i>


<p>2</p>	<p><i>Transfer of information to Ukrainian colleagues about present stage (2007) of WFD implementation in Polish part of the Bug river basin concerning estimation and identification of significant anthropogenic pressure on water bodies.</i></p>	<ul style="list-style-type: none"> ▪ <i>a list of essential problems in water management in both countries.</i> ▪ <i>discussion on problems regarding impact of human activity on the status surface and ground waters in the Bug river basin in Poland</i> 	<ul style="list-style-type: none"> ▪ <i>4 presentations have been presented;</i> ▪ <i>present level of implementation of the WFD in Poland and Ukraine has been presented;</i> ▪ <i>following documents and methodologies have been presented and discussed:</i> <ul style="list-style-type: none"> ○ <i>report on analysis of anthropogenic pressure and influence on surface and ground water bodies in Polish part of the Bug basin.</i> ○ <i>methodology of estimation of an economic development influence on water bodies in Poland</i> ○ <i>methodology of estimation of physical and chemical state of water bodies in Poland</i> ○ <i>methodology of estimation of hydrological and morphological state of water bodies in Poland</i> ○ <i>methodology of delimitation of modified and artificial surface water bodies</i>
<p>3</p>	<p><i>Identification of problems related to delimitation of significant anthropogenic pressure on surface water bodies in Ukraine</i></p>	<ul style="list-style-type: none"> ▪ <i>discussion on problems regarding impact of human activity on the status surface waters in the Bug river basin in Ukraine</i> ▪ <i>a list of problems and differences in evaluation of anthropogenic pressures on water bodies in both countries.</i> ▪ <i>knowledge about water management problems in water deficient area – in Autonomous Republic of Crimea</i> 	<ul style="list-style-type: none"> ▪ <i>3 presentations have been presented</i> ▪ <i>a visit in Pavlivka Brewery to see modernized waste water treatment plant has been organized.</i> ▪ <i>presentation of the expert from Crimea</i>

	Reporting guidelines	Number of pages: 3 / 8
--	-----------------------------	----------------------------------

4	<i>Transfer of information to Ukrainian colleagues concerning risk analysis of failing of the environmental quality objectives in Polish part of the Bug river basin</i>	<i>discussion on problems regarding forecast of impact of human activity on the good ecological status and ecological potential of surface water bodies in Polish part of the Bug river basin</i>	<ul style="list-style-type: none"> ▪ 2 presentations have been presented ▪ following documents and methodologies have been presented and discussed: <ul style="list-style-type: none"> ○ risk evaluation methodology of failing the environmental quality objectives in surface and ground waters bodies.
5	<i>Working out proposals of common plan of cooperation between RWMB in Warsaw and WBBWD in Lutsk on the year 2008</i>	<i>elaboration of programme of work on the next year</i>	<i>agreed plan of cooperation on the year 2008</i>

ACTIVITES DEVELOPED during the mission

Activity 1	Topic: Possibility of using of Polish experiences in the WFD implementation in Ukrainian part of the Bug basin <i>(legal aspect, Regulation, Institutional, Finance, Communication...)</i>
Description Exchange of experience	<ol style="list-style-type: none"> 1. <i>In the Mission I results basis Ukrainian experts presented analysis of water management in IWRM context in Ukraine. The main institutional problem is that WBBWD in Lutsk has only surface waters in his competence.</i> 2. <i>Current stage of WFD implementation in Ukrainian part of the Bug river basin has been presented. There is no legal obligation in this matter in Ukraine, all works are mainly supported within international programmes framework. Nowadays WBBWD experts work on surface water typology.</i> 3. <i>Present stage of WFD implementation in Polish part of the Bug river basin has been presented:</i> <ul style="list-style-type: none"> ▪ <i>estimation and identification of significant anthropogenic pressure on surface and ground water bodies,</i> ▪ <i>risk analysis of failing of the environmental quality objectives of water bodies in Polish part of the Bug river basin</i> <i>In the Bug transboundary river basin in Poland only 1 water body (on total 60) is at risk of failing to meet objectives due to agriculture, 48 due to public utilities, none due to industry and 11 are not at risk at all. 5 water bodies are at risk due to bad hydromorphological state only.</i> 4. <i>Mrs Teresa Zan has presented to our Ukrainian colleagues proposals of cooperation plans on the year 2008. The plan should cover institutional cooperation between Basin Boards from Luck and Warsaw, exchange of information about current stage of WFD implementation and human</i>

	Reporting guidelines	Number of pages: 4 / 8
	<i>pressure on water environment in the Bug basin: points of municipal and industry discharges and water consumption. Plan have been discussed and accepted.</i>	
Activity 2	Topic: Methodology of WFD implementation <i>(legal aspect, Regulation, Institutional, Finance, Communication...)</i>	
Description <i>Increasing of knowledge</i>	<i>Polish experts: Malgorzata Badowska, Lidia Hajduk and Lucjan Gos have presented following methodologies based on EU guidelines and Polish experiences:</i> <ul style="list-style-type: none"> o <i>methodology of estimation an economic development influence on water bodies,</i> o <i>methodology of estimation physical and chemical state of water bodies,</i> o <i>methodology of estimation hydrological and morphological state of water bodies,</i> o <i>methodology of delimitation of modified and artificial surface water bodies.</i> <i>Methodologies were discussed from their implementation in Ukraine point of view.</i>	
Activity 3	Topic: Water management in Crimea <i>(legal aspect, Regulation, Institutional, Finance, Communication...)</i>	
Description <i>Increasing of knowledge</i>	<i>The Ukrainian expert from Autonomic Republic of Crimea, Yegor Suschewkyi, have presented information about basic principles and structure of water management in this part of Ukraine.</i> <i>Crimea has a 80-85 % water deficiency, which is filled up with water from the Dnieper by the North Crimean Canal system. There are a lot of small easy to overflow mountain rivers and streams as well.</i> <i>This type of water management is not known in RWMB in Warsaw practice so the presentation was very interesting.</i>	
Activity 4	Topic: Human impact on an aquatic environment	
Description <i>Field visit</i>	<i>A visit in Pavlivka Brewery to see modernized waste water treatment . The brewery is a medium production plant using traditional production technologies. They had got a big problems with waste water quality and were punished by environmental inspection. They decided to modernize their waste water treatment plant and now the quality of sewage is within state limits. Polish experts had possibility to know waste water technologies used in Ukrainian part of the Bug river basin and to compare with Polish solutions.</i>	

	Reporting guidelines	Number of pages: 5 / 8
---	-----------------------------	----------------------------------

3. 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:**

*Methodology of estimation an economic development influence on water bodies,
Methodology of estimation physical and chemical state of water bodies,
Methodology of estimation hydrological and morphological state of water bodies,
Methodology of delimitation of modified and artificial surface water bodies.*

- **About Practice:**

Use of ArcGIS software in risk of failing environmental objectives analysis and water management

Industry waste water treatment technology

GIS approach in the field of description of river basin

4. DISSEMINATION (opportunities and difficulties)

In what measure these learnt lessons are applicable to:

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

Lessons presented by Regional Water Management Board experts can be used in Western Bug Basin Water Department taking into account specific national regulations and enable workers' capacity building in both basin institutions.

- **National IWRM practice:**

Results and conclusions of the mission will be presented to State Committee of Ukrainian Water Management and other Ukrainian basin organizations.

- **Regional experience:**

The results of the mission will be taken under consideration in the project "Building of Polish-Ukrainian-Belarusian policy in the Bug river basin", which has started in October, 2007.

5. IDENTIFIED TIPS

Identified tips which could be useful for colleagues

Despite of similarity of Polish and Ukrainian languages Russian occurs to be the most useful common language for communication between us.

6. PERSONAL COMMENTS

What does the missionary think about his mission?

The mission was very interesting and well organized. Ukraine is not a member of European Union, but a knowledge and understanding of IRWM among Ukrainian experts is very common. They take part in several programmes which can enable them to implement WFD in the Bug basin step by step. Because the Bug river is the biggest

	Reporting guidelines	Number of pages: 6 / 8
---	-----------------------------	----------------------------------

one, which comes through Polish border is very important to ensure a good state of water in it to avoid a transboundary migration of pollution. The mission enlarged our experience in this field. Workshops, seminars and field visits of I and II Missions let us to know more about situation in water environment in the Bug river basin and to compare a theory to a practice.

7. CONTACTS

Principal local contacts met

Name	Occupation	E-mail	Phone number
<i>Malgorzata Badowska</i>	<i>RWMB Warszawa</i>	woda@rzgw.warszawa.pl	+48 22 5830100
<i>Teresa Zan</i>	<i>RWMB Warszawa, Basin Board in Lublin</i>	teresa.zan@zsl.internetdsl.pl	+48 81 532 41 22
<i>Lucjan Gos</i>	<i>RWMB Warszawa, Basin Board in Lublin</i>	lucjan.gos@zsl.internetdsl.pl	+48 81 532 41 22
<i>Lidia Hajduk</i>	<i>RWMB Warszawa, Basin Board in Lublin</i>	lidia.hajduk@zsl.internetdsl.pl	+48 81 532 29 30
<i>Pavel Gurnyak</i>	<i>Western Bug Basin Water Department</i>	pavel.cz@mail.ru	+38 097 791 47 28
<i>Oleksandr Sergushko</i>	<i>Western Bug Basin Water Department</i>	info@zbbuvr.lutsk.ua	+38 033 224 74 87
<i>Yegor Sushevskiy</i>	<i>Basin Department of Water Resource Management of AR of Crimea</i>	kbuvr@crimea.com.ua	+38 06552 594 198

8. BIBLIOGRAPHY

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

Name	Description / Notice
<ul style="list-style-type: none"> ▪ <i>Final Report from the III stage of WFD implementation in Poland</i> 	<i>Working out significant anthropogenic pressure on surface and ground water bodies for elaboration of action programs and water management plans.</i>
<ul style="list-style-type: none"> ▪ <i>Tacis CBC Programme, Transboundary Water Quality Monitoring and Assessment, Kyiv, 2001</i> 	<i>Summary report and recommendations of the project. It contains detailed description of the Bug river basin.</i>

	Reporting guidelines	Number of pages: 7 / 8
--	-----------------------------	----------------------------------

<ul style="list-style-type: none"> ▪ <i>Programme, Transboundary Water Quality Monitoring and Assessment, reports no 1, 2, 3</i> 	<ol style="list-style-type: none"> 1. <i>Reference report,</i> 2. <i>Identification and review of after management issues</i> 3. <i>Recommendations for improvement of monitoring and assessment activities</i> <p><i>All reports contains detailed information about Bug river basin, including identified problems. It is still in use as actual source of data.</i></p>
<ul style="list-style-type: none"> ▪ <i>Report for territory of Vistula river basin district 2005</i> 	<p><i>Information about implementation of the WFD in Poland (articles 5 and 6, appendix 2, 3, 4), including information about typology of the surface waters and delimitation of the waterbodies.</i></p>
<ul style="list-style-type: none"> ▪ <i>Protocols of the 3rd Meeting of the Polish-Ukrainian Commission on Transboundary Waters</i> 	<p><i>All protocols contain information about works realized and planned in the Bug river basin. That protocol has been used as a source of information about monitoring of the water quality in the basin and data on water intake.</i></p>

Websites		
Name	Description/ Notice	Adress
<i>RWMB Warsaw</i>	<i>Regional Water Management Board in Warsaw</i>	www.rzgw.warszawa.pl
<i>WBBWD</i>	<i>Western Bug Basin Water Department</i>	www.zbbuvr.lutsk.ua

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

2007 C5 T29 M2

Date: 3- 5 Oct., 2007

Financial report

Expert Name: *Malgorzata Badowska, Teresa Zan, Lidia Hajduk, Lucjan Gos*

Date of arrival	Date of departure	Number of days	days cost (€)	travel cost (€)	Total*
3.10.2007	5.10.2007	5	5x70x4	441,16	1841,16

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

Name and address of the Basin Organisation :

To:

**Regionalny Zarzad Gospodarki Wodnej w Warszawie,
ul Mokotowska 63;
00-533 Warszawa**

Bank's name: **Narodowy Bank Polski O/O Warszawa**Bank's address: **00-950 Warszawa, Plac Powstancow Warszawy 4,**Account number: **PL 76 1010 1010 0025 7022 3000 0000**Bank Code: **10101010**IBAN code **: **PL**SWIFT BIC CODE: **NBPLPLPW**

** IBAN CODE is only for European country.

Papers to join:

✘ **Original justificatives** : Official letter of the Director of RWMB in Warsaw

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