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2007-2013



MOBILITATE ÎN ROMÂNIA. CONEXIUNI CU EUROPA.

Project: MONITORING THE ENVIRONMENTAL IMPACT OF THE WORKS REGARDING THE IMPROVING OF THE NAVIGATION CONDITIONS
ON THE DANUBE RIVER BETWEEN CALARASI AND BRAILA, km 375-175
PHASE II

Monthly Report No. 45: 1 – 31 Jan 2015

ANNEX 6.3.

EXPERTS' ACTIVITY REPORTS



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Mobilitate în România. Conexiuni cu Europa.Project: MONITORING THE ENVIRONMENTAL IMPACT OF THE WORKS REGARDING THE IMPROVING OF THE NAVIGATION CONDITIONS
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Monthly Report No. 45: 1 – 31 Jan 2015

6.3.1. Expert position: PROJECT LEADER EXPERT- Deák György**MONTHLY REPORT
1 - 31 January 2015**

No.	ACTIVITIES	DESCRIPTION	RESULTS
1	Elaboration of the Monthly Report no. 45	<ul style="list-style-type: none"> Covering issues according to AFDJ Galati guidelines 	Monthly Report 45
2	Communication of the project phase and results to the beneficiary - AFDJ Galați	<ul style="list-style-type: none"> Elaboration of the addresses sent to AFDJ Galati Participation at the progress meeting 	
3	Coordination and checking of the field monitoring activity	<ul style="list-style-type: none"> Checking the continuous monitoring stations, velocity measurements and bathymetry Checking the monitoring stations for sturgeons Checking the sampling campaigns Checking the building site activities 	
4	Coordination of the project implementation team and permanent monitoring of the progress of proposed activities for the reporting period	<ul style="list-style-type: none"> Field visits for activities monitoring Working meetings 	
5	Approval of monthly activity reports of the experts		
6	Checking and approving the documents elaborated in 45 th month of project activity		
7	Coordinate the completion of Intermediar Report 10		
8	Elaboration of the project activities program for the next period (1 - 28 February 2015)		

Project leader,
PhD eng. Deák György



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Monthly Report No. 45: 1 – 31 Jan 2015

6.3.2. Expert position: WATER AND SOIL MONITORING EXPERT - Gina Ghiță

MONTHLY REPORT 01-31 January 2015

No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	ORGANISING SAMPLING CAMPAIGN FOR WATER AND SEDIMENTS	<ul style="list-style-type: none"> ▪ Preparation of sampling recipients (differently, according to chemical indicators) for water and sediments; ▪ Preparation of reagents to fix water samples in field conditions; ▪ Laboratory and field AMCs calibration; ▪ Preparation of reagents set for field and laboratory analysis 	<ul style="list-style-type: none"> ▪ Assurance of proper conditions for the sampling campaign
2.	SAMPLING CAMPAIGN FOR WATER AND SEDIMENTS (28.01.2015)	<ul style="list-style-type: none"> ▪ Water and sediments sampling from CP 01, CP 02 ▪ The conformation to the geographical coordinates for each sampling point has been checked; ▪ The samples have been labeled; ▪ For each water and sediment sample has completed a registration bulletin for the sampling activity; ▪ Field analysis were performed (pH, temperature, dissolved oxygen, turbidity) regarding water quality; ▪ Water samples have been fixed according to actual standards to determine indicators in the laboratory. 	<ul style="list-style-type: none"> ▪ 35 water samples ▪ 14 sediment samples
3.	PHYSICAL- CHEMICAL LABORATORY ANALYSIS	<ul style="list-style-type: none"> ▪ Conducting the specific standard procedures for analytical data quality assurance. 	<ul style="list-style-type: none"> ▪ Preliminary data regarding water and sediment quality
4.	OTHER ACTIVITIES	<ul style="list-style-type: none"> ▪ Participation at the monthly Report 45 ▪ Contribution to the Intermediar Report no. 10 	

Expert,
PhD eng. Gina GHIȚĂ

Project leader,
PhD eng. DEÁK György



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Monthly Report No. 45: 1 – 31 Jan 2015

6.3.3. Expert position: AIR AND NOISE MONITORING EXPERT - BORȘ ADRIANA (chemist2)

MONTHLY REPORT 01 - 31 January 2015

No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	Measurements campaign for noise level, 45 campaign (14,22.01.2015)	For main critical points CP 01 and CP 02	Punctual values of noise level
2.	Measurements/sampling campaign for air, campaign no 42 (14,22.01.2015)	For main critical points CP 01 and CP 02	Preliminary values of the air quality indicators
3.	Data processing	Processing of the data measured in the field	Analysis bulletins
4.	Other activities	<ul style="list-style-type: none"> ○ Participation at the meetings of the project team, in order to plan the future activities ○ Contribution to the 45th monthly report (Chapters: Air and Noise Monitoring) ○ Participation in development of the Intermediar Report 10 	Monthly Report no.45

Expert,
PhD chem. Adriana Borș

Project Leader,
PhD eng. DEÁK György



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Monthly Report No. 45: 1 – 31 Jan 2015

6.3.4 Expert position: ICHTYOLOGIST 1 EXPERT - Sturgeons and barbell - CRISTEA VICTOR

MONTHLY REPORT 01 - 31 January 2015

No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	Maintenance and data downloading: 13.01.2015 - CP 01, 14.01.2015 - CP 02, 16.01.2015 - CP 10.	Has been downloaded the data from monitoring systems on Borcea, Bala, Caleia, Cravia and Old Danube branches, Has been realized activities of maintenance for the monitoring systems	Obtaining the data from the monitoring systems
2.	Collecting benthos samples from wintering sturgeons area 16.01.2015 - CP 10	Has been prelevated samples from wintering habitats at Caleia branch km 5 and Danube km 186	Sampling bulletins
3.	Velocity measuring in wintering habitats of sturgeons 16.01.2015 - CP 10	Measurements were performed weekly to determine the velocity of the bottom surface and wintering habitats	Velocity centralizing
4.	Other activities	Contribution to development of Intermediar Report 10 Contribution to Monthly Report no. 45	

Expert sturgeons ichthyologist,
PhD eng. Victor CRISTEA

Project Leader,
PhD eng. DEÁK György



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Monthly Report No. 45: 1 – 31 Jan 2015

6.3.6. Expert position: HYDROLOGY EXPERT - PhD eng. George POTERAȘ

MONTHLY REPORT 1 - 31 January 2015

No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	Turbidity, temperature and relative level data processing, recorded in the automatic stations in January 2015	S Statistical processing of level, temperature and turbidity data recorded in January 2015 automatic stations from CP 01, CP02 and CP10.	Statistical indicators, turbidity and temperature variation graphics, hodographs of the relative and absolute water level, water gradients, correlations between the automatic monitoring stations.
2.	Contribution to the Monthly Report no. 45	Data processing and interpretation.	Hydrology subchapter elaboration for the hydromorphological monitoring activity and Annex 6.5

Expert,
PhD eng. George POTERAȘ

Project Leader,
PhD eng. Deák György



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Monthly Report No. 45: 1 – 31 Jan 2015

6.3.7. Expert position: HYDRAULIC SEDIMENTOLOGY EXPERT - Gh. Viorel UNGUREANU

MONTHLY REPORT 1 - 31 January 2015

No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	MONITORING CAMPAIGN (08, 09, 12-16, 20-22, 26-30.01.2015)	Single-beam bathymetric measurements in the main critical points and on the monitoring sections	Raw and processed bathymetric data, transversal bathymetric profiles
2.	MONITORING CAMPAIGN (08, 09, 12-16, 20-22, 26-30.01.2015)	Weekley water velocity measurements on 5 transversal sections near the automatic monitoring stations for turbidity and level at critical points CP01-CP02	Unprocessed flow and velocity data
3.	OTHER ACTIVITIES	Continuation of flow and velocity measurements processing from previous months	Processed velocity and flow data Velocities sections
4.	OTHER ACTIVITIES	Contributions to the Monthly Report no. 45 Contribution to the Intermediar Report no. 10	Hydromorphology chapter and Annex 6.5
		Program proposal for period 1 - 28 February 2015	Program

Expert,
PhD eng. Gh. Viorel UNGUREANU

Project Leader,
PhD eng. DEÁK György



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Monthly Report No. 45: 1 – 31 Jan 2015

6.3.13 Expert position: AVIFAUNA IMPACT MONITORING EXPERT - JOZSEF SZABO

MONTHLY REPORT 01 - 31 January 2015

NO.	ACTIVITIES	DESCRIPTION	RESULTS
1.	<p>MONITORING AVIFAUNĂ CAMPAIGN FOR WINTER SEASON</p> <p>(12 - 16.01, 19 -23, 26-28.01.2015)</p>	<ul style="list-style-type: none"> ○ Field campaign in CP01 <ul style="list-style-type: none"> ▪ aquatic avifauna observations from boat ▪ aquatic avifauna observations from bank ○ Field campaign in CP02 <ul style="list-style-type: none"> ▪ aquatic avifauna observations from boat ▪ aquatic avifauna observations from bank ○ Field campaign in CP10 <ul style="list-style-type: none"> ▪ aquatic avifauna observations from boat ▪ aquatic avifauna observations from bank ○ Field campaign in CP03 <ul style="list-style-type: none"> ▪ aquatic avifauna observations from boat ▪ aquatic avifauna observations from bank ○ Field campaign in CP04 <ul style="list-style-type: none"> ▪ aquatic avifauna observations from boat ▪ aquatic avifauna observations from bank ○ Field campaign in CP07 <ul style="list-style-type: none"> ▪ aquatic avifauna observations from boat ▪ aquatic avifauna observations from bank 	<ul style="list-style-type: none"> ○ observation sheets; ○ data ○ images ○ lists of species
2.	<p>OTHER ACTIVITIES</p>	<ul style="list-style-type: none"> - Contribution to the Monthly Report no. 45 (chapter G și H) - Contribution to the Intermediar Report no 10 - Program proposal for the next period activities 	<p>MONTHLY REPORT no 45</p>

Expert,
JOZSEF SZABO

Project Leader,
PhD eng. DEÁK György



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6.3.14. Expert position: ANTHROPIC IMPACT MONITORING EXPERT - AMBRUS LASZLO (ecologist 1)

MONTHLY REPORT 1 - 31 January 2015

NO.	ACTIVITIES	DESCRIPTION	RESULTS
1.	MONITORING CAMPAIGN OF THE ANTHROPIC IMPACT (14, 22, 28.01.2015)	<ul style="list-style-type: none"> ○ field campaign in CP01, CP02 areas to establish fixed and mobile sources of noise and emissions; ○ field campaign in order to establish the anthropisation level in the area of the building site; ○ checking the building site, including the materials used by constructor; ○ sites verification; 	<ul style="list-style-type: none"> - data - photos
2.	OTHER ACTIVITIES	<ul style="list-style-type: none"> ○ Contribution to the Monthly Report no. 45 ○ Contribution to the Intermediar Report no. 10 ○ Program proposal for the next period activities 	Monthly Report no. 45

Expert,
AMBRUS Laszlo

Project Leader,
PhD eng. DEÁK György



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6.3.15. Expert position: BIODIVERSITY IMPACT EVALUATION/MONITORING EXPERT-ZAHARIA Tania (ecologist 2)

**MONTHLY REPORT
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NO.	ACTIVITIES	DESCRIPTION	RESULTS
1.	MONITORING CAMPAIGN OF THE ANTHROPIC IMPACT TO BIODIVERSITY (12, 13, 14, 15, 16, 20, 21.01.2015)	Field observations in order to establish the anthropic impact to avifauna from Natura 2000 sites for critical points CP01, CP02, CP03, CP04, CP07, CP10. Field observations in order to establish the influence of sites on avifauna.	- data - images - species list
2.	OTHER ACTIVITIES	<ul style="list-style-type: none"> ○ Contribution to the Monthly Report no. 45 ○ Contribution to the Intermediar Report no. 10 	Monthly Report 45 Intermediar Report 10

Expert,
PhD. Tania ZAHARIA

Project Leader,
PhD eng. DEÁK György



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6.3.16. Expert position: EXPERT ASSESSOR OF THE MONITORING RESULTS - Marian TUDOR

MONTHLY REPORT 1 - 31 January 2015

NO.	ACTIVITIES	DESCRIPTION	RESULTS
1	Data processing for the Intermediar Report 10	Data regarding aquatic and terrestrial ecosystems	Centralization tables
2	Data processing regarding aquatic and terrestrial ecosystems	Establishing the primary statistical values	Primary statistical parameters
3	Abiotic and biotic data corroboration for Phase Report	Establishing the intercorrelations between abiotic and biotic determinants	Correlation functions Quality indicators variation

**Expert assessor,
PhD Marian TUDOR**

**Project Leader,
PhD eng. DEÁK György**



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6.3.17 Expert position: 3D MODELLING EXPERT - Prof.PhD. HELMUT HABERSACK

MONTHLY REPORT 1 - 31 January 2015

No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	Numerical simulations on a section on the Old Danube and Epurașu arm, in the critical point 02, in the situation after the carrying out the construction.	Using discharges from January 2015, as well as discharges from different months of 2014, the numerical simulations were performed on a section of the Old Danube and Epurașu arm, in the critical point 02, in order to obtain distributions of water flow parameters. At the same time, were highlighted the trends which were determined on the arms by local sediment transport on short term.	Files with results of numerical simulations.
2.	Numerical simulations to study the local effects of watercourses on the riverbed at the critical point 02, in the area of transition to Epurașu arm.	Numerical simulations were performed to study the local effects in the riverbed in the area of transition to Epurașu arm, starting from the existing situation and from the situation with almost uniform riverbed.	Results of the numerical simulations.
3.	Inserting data for modelling, on the basis of the measurements.	The processing activities of measured data on the Danube and preparing of data sets in usable form for modelling continued.	Preparing data, on the basis of the measurements.
4.	Other activities	Participating in development of monthly Report 45	Monthly Report 45

Expert,
Ph.D Helmut HABERSACK

Project leader,
Ph.D Eng. DEÁK György

In the report, the activity concerning quasi 3D Modelling carried out by INCDPM and Deltares experts has been presented according to the technical specifications.