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2007-2013



PROGRAMEL OPERATIONALA REGIONALA TRANSPORT
TRANS
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.43: 1–30 November 2014*

ANNEX 6.3.

EXPERTS' ACTIVITY REPORTS



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MONTHLY REPORT NO.43: 1–30 November 2014

6.3.1. Expert position: PROJECT LEADER EXPERT- Deák György

MONTHLY REPORT 1 - 30 November 2014

No.	ACTIVITIES	DESCRIPTION	RESULTS
1	Elaboration of the Monthly Report no. 43	<ul style="list-style-type: none"> ○ Covering issues according to AFDJ Galati guidelines 	Monthly Report 43
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 43 rd month of project activity		
7	Coordinate the completion of Interim Report 9		
8	Elaboration of the project activities program for the next period (1 - 31 December 2014)		

Project leader,
PhD eng. Deák György



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MONTHLY REPORT NO.43: 1–30 November 2014

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

MONTHLY REPORT 1 - 30 November 2014

No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	ORGANISING SAMPLING CAMPAIGN FOR SOIL, 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 (27.11.2014)	<ul style="list-style-type: none"> ▪ Water and sediments sampling from CP 01, 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 for laboratory indicators determination 	<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"> ▪ Contribution to Monthly Report 43 ▪ Contribution to the development of Interim Report 9 	

Expert,
PhD eng. Gina GHIȚĂ

Project leader,
PhD eng. DEÁK György



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MONTHLY REPORT NO.43: 1–30 November 2014

6.3.3. Expert position: AIR AND NOISE MONITORING EXPERT - BORȘ ADRIANA (chemist 2)

MONTHLY REPORT 1 - 30 November 2014

No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	Measurements campaign for noise level, 43 rd campaign (5,12.11.2014)	For main critical points (CP 01 and 02)	Punctual values of noise level
2.	Measurements/sampling campaign for air, campaign no. 40 (5,12.11.2014)	For main critical points (CP 01 and 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 43rd monthly report (Chapters: Air and Noise Monitoring) ○ Contribution to Interim Report 9 	Monthly Report no.43

Expert,
PhD chem. Adriana Borș

Project Leader,
PhD eng. DEÁK György



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

MONTHLY REPORT 1 - 30 November 2014

No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	Maintenance and data downloading: 05.11 CP01 12.11 CP02 13.11 CP10	Have been downloaded the data from monitoring systems on Borcea, Bala, Caleia, Cravia and Old Danube branches. Maintenance activities for the monitoring systems.	Obtaining the data from the monitoring systems
2.	Data processing for sturgeons' migration period	Have been processed the data obtained during May-August campaign	Maps, charts, tables
3.	Diligence in order to obtain the permits for scientific fishing for sturgeons	Have continued efforts started in July to issue special scientific fishing permits for sturgeons species.	Faxes to ANPA
4.	Other activities	Contribution to Monthly Report no.43 Prepare the equipments and materials necessary for sturgeons' fishing and tagging campaign. Contribution to Interim Report 9	

Expert sturgeons ichthyologist,
PhD eng. Victor CRISTEA

Project Leader,
PhD eng. DEÁK György



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

MONTHLY REPORT 1 - 30 November 2014

No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	Turbidity, temperature and relative level data processing, recorded in the automatic stations in November 2014	Statistical processing of level, temperature and turbidity data recorded in November 2014 in automatic stations from CP01, 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 43	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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6.3.7. Expert position: HYDRAULIC SEDIMENTOLOGY EXPERT - Gh. Viorel UNGUREANU

MONTHLY REPORT 1 - 30 November 2014

No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	MONITORING CAMPAIGN (05,10 - 14, 17, 18, 24 - 27.11.2014)	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 (05,10 - 14, 17, 18, 24 - 27.11.2014)	Weekley water velocity measurements on 5 transversal sections near the automatic monitoring stations for turbidity and level at critical points CP01 and 02	Unprocessed velocity data
3.	OTHER ACTIVITIES	Continuation of flow and velocity measurements processing from previous months	Processed velocity and flow data Velocities sections
		Contributions to Monthly Report 43	Chapter Hydromorphology and Annex 6.5
		Drafting of a program proposal for 1-31 December 2014	Program
		Contribution to Interim Report 9	Chapter - Hydromorphology

Expert,
PhD eng. Gh. Viorel UNGUREANU

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 - 30 November 2014

NO.	ACTIVITIES	DESCRIPTION	RESULTS
1.	MONITORING CAMPAIGN OF THE ANTHROPIC IMPACT (05, 12.11.2014)	<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 anthropization 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. 43; ○ Participation in elaboration of the Interim report 9 ○ Program proposal for next period activities; 	Monthly Report no. 43

Expert,
AMBRUS Laszlo

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 - 30 November 2014

NO.	ACTIVITIES	DESCRIPTION	RESULTS
1	Data processing for the Interim Report 9	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 results corroboration	Establishing the intercorrelations between abiotic and biotic determinants	Correlation functions Quality indicators variation

Expert,
PhD Marian TUDOR

Project Leader,
PhD eng. DEÁK György



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MONTHLY REPORT NO. 43: 1 – 30 November 2014

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

MONTHLY REPORT 1 - 30 November 2014

NO.	ACTIVITIES	DESCRIPTION	RESULTS
1.	Numerical simulations for calibrating the model in the area of critical point 02, at average discharges.	Numerical simulations were performed using Delft 3D model, at different discharges from the range of average values on the Danube and results regarding discharges on Epurasu branch and on the main watercourse were analysed, in actual conditions concerning the dam and the area of passing to this branch.	Files containing the results of numerical simulations.
2.	Modelling possible short-term effects, of Danube`s stream at an average discharge, of the riverbed in the area of critical point 10.	Delft 3D was prepared and used for evaluations at a rate of the discharge above average of possible effects, on short term, of local streams on the Danube riverbed in the area of critical point 10.	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 43	Monthly Report 43

Expert,
Ph.D Helmut HABERSACK

Project leader,
Ph.D Eng. DEÁK György

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