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MINISTERUL TRANSPORTURILOR
ȘI INFRASTRUCTURII



Națională Agency de Protecție Mediului
județ Prahova/Brașov



Ministerul Educației și Cercetării
2007-2013



TRANS
MĂRIȘTELE DE ÎNĂLȚĂRI, CONȘTIINȚĂ ȘI CALITATE

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

MONTHLY REPORT NO. 79: 1 – 30 November 2017

ANNEX 6.3.

EXPERTS' ACTIVITY REPORTS



6.3.1. Expert position: PROJECT LEADER EXPERT- Deák György

MONTHLY REPORT
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No.	ACTIVITIES	DESCRIPTION	RESULTS
1	Elaboration of the Monthly Report no.79	<ul style="list-style-type: none"> ○ Covering issues according to AFDJ RA Galati guidelines 	Monthly Report 79
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 	
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 	
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"> ○ Working meetings 	
5	Approval of experts' monthly activity reports		
6	Checking and approving the documents elaborated in month 79 of the project activity		
7	Coordinate the drafting of Interim Report 17		
8	Coordinate the Phase Report for post-construction in CP 10		
9	Elaborate the project activities program for the next period (1 - 31 December 2017)		

Project leader,
PhD eng. Deák György



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

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No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	OTHER ACTIVITIES	<ul style="list-style-type: none"> ▪ Contribution to Monthly Report 79 ▪ Processing the data on soil, water and sediments quality for Interim Report 17 (CP 01, CP02, CP10, CP03, CP04, CP07) 	

Expert,
PhD eng. Gina GHIȚĂ

Project leader,
PhD eng. DEÁK György



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

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No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	Contribution to Phase Report on post-construction monitoring in main critical point CP10	Data processing regarding post-construction monitoring phase for air quality and noise level in main critical point CP10	Phase Report on post-construction in CP10
2.	Other activities	<ul style="list-style-type: none"> ○ Participation to the meetings of the project implementation team, in order to plan and conduct future activities ○ Contribution to Monthly Report 79 (Air and noise monitoring chapters) ○ Contribution to Interim Report 17 drafting 	Reports

Expert,
PhD chem. Adriana Borș

Project leader,
PhD eng. DEÁK György



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

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No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	Monitoring of sturgeons' migration in CP01 and CP02 (20,21,22,23.11.2017)	<ul style="list-style-type: none"> - active monitoring with VR100 for ultrasonic tagged sturgeon specimens. - data downloading from the monitoring systems 	Report
2.	Data processing	<ul style="list-style-type: none"> - Contribution to Monthly Report 79 - Contribution to Interim Report 17 - Drafting the Phase Report on post-construction in CP10 	Reports

Ichthyologist Expert,
PhD eng. Victor CRISTEA

Project Leader,
PhD eng. DEÁK György



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

MONTHLY REPORT 1 - 30 November 2017 Post-construction monitoring

No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	Data processing for turbidity, temperature and relative level, recorded in automatic stations in November 2017	Statistical processing of level, temperature and turbidity data recorded in November 2017, in automatic stations from the monitoring sector.	Statistical indicators, turbidity and temperature variation graphs, hodographs of the relative and absolute water level, water gradients, correlations between the automatic monitoring stations.
2.	Contribution to Monthly Report 79	Processing and interpretation of specific data.	Drafting the Hydrology subchapter, for hydromorphological monitoring activity and for Annex 6.5.

Expert,
PhD eng. George POTERAŞ

Project Leader,
PhD eng. Deák György



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

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No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	MONITORING CAMPAIGN (01, 03, 06, 07, 08, 09, 10.11.2017)	Single-beam bathymetric measurements in main critical points for sections profiling	Pre-processed and primary bathymetric data
2.	MONITORING CAMPAIGN (01, 03, 06, 07, 08, 09, 10.11.2017)	ADCP measurements for flow and velocity, on the monitoring sector	Unprocessed velocities data
3.	OTHER ACTIVITIES	Further measurements processing for flow and velocities from previous months	Processed data for flow and velocities Velocities sections
		Processing and interpretation of specific data for Interim Report 17	Bathymetric cross-profiles, dynamics of morphological changes
		Processing and interpretation of specific data for Phase Report post-construction CP10	Chapter Hydromorphology

Expert,
PhD eng. Gh. Viorel UNGUREANU

Project Leader,
PhD eng. DEÁK György



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6.3.8 Expert position: MACROPHYTES AND PHYTOPLANKTON EXPERT - Florica Marinescu

MONTHLY REPORT 1 - 30 November 2017 Post-construction monitoring

NR. CRT.	ACTIVITĂȚI	DESCRIERE	REZULTATE
1.	PREPARING THE SAMPLING CAMPAIGN FOR MACROPHYTES	<ul style="list-style-type: none"> ▪ Preparing the reagents for samples preservation in field conditions; Preparing the necessary documents for „in field” samples registration 	Ensuring the conditions for sampling campaign
2.	CONDUCTING THE SAMPLING CAMPAIGN FOR MACROPHYTES (16.11.2017)	<ul style="list-style-type: none"> ▪ Specific sampling activities for macrophytes from CP 03A, 03B, 04A, 04B,07 ▪ In field determination of macrophytes species ▪ Completing the sampling bulletins for macrophytes 	<ul style="list-style-type: none"> - 20 macrophytes samples - sampling bulletins
3.	DATA PROCESSING AND ANALYSIS	<ul style="list-style-type: none"> ▪ Drafting the list of macrophytes species identified in each critical point ▪ Calculation of density and biomass for aquatic macrophytes 	Values of quality indicators
4.	OTHER ACTIVITIES	<ul style="list-style-type: none"> ▪ Participation to Monthly Report 79 - Chapter Aquatic flora and fauna monitoring (except for ichthyofauna) ▪ Contribution to Interim Report 17, Phase Report CP10 	Reports

Expert,
PhD biologist Florica MARINESCU

Project Leader,
PhD eng. DEÁK György



6.3.11 Expert position: AQUATIC MACROINVERTEBRATES EXPERT - Luiza Florea

MONTHLY REPORT 1 - 30 November 2017 Post-construction monitoring

No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	PREPARING THE SAMPLING CAMPAIGN FOR AQUATIC MACROINVERTEBRATES	<ul style="list-style-type: none"> ▪Preparing sampling containers ▪Preparation of reagents for samples fixation in field conditions; ▪Preparing the necessary documents for „in field” samples registration 	Ensuring the optimal conditions for sampling campaign
2.	SAMPLING CAMPAIGN FOR AQUATIC MACROINVERTEBRATES (16.11.2017)	<ul style="list-style-type: none"> • Collecting samples of aquatic macroinvertebrates from critical points 01, 02, 03A, 03B, 04A, 04B, 07 • Samples fixation, labelling • Completing the sampling bulletins for aquatic macroinvertebrates samples 	<ul style="list-style-type: none"> ▪ 34 collected sample units ▪ sampling bulletins
3.	EFFECTUARE ANALIZE DE LABORATOR	<ul style="list-style-type: none"> • the additional sorting of benthic macroinvertebrates samples collected to select benthic organisms and to carry out further investigations • qualitative and quantitative analysis of benthic macroinvertebrates (14 samples) 	<ul style="list-style-type: none"> ▪ 34 selected sample units ▪ 34 analyzed sample units
4.	DATA PROCESSING AND ANALYSIS	<ul style="list-style-type: none"> • calculating abundance and numerical density on taxonomic groups for benthic macroinvertebrates • drawing up the list of saprobe indicators for water quality • calculating of Shannon-Wiener diversity index for macroinvertebrates 	<ul style="list-style-type: none"> ▪ values for quality indicators

Expert,
Luiza FLOREA

Project Leader,
PhD eng. DEÁK György



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

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No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	ANTHROPIC IMPACT MONITORING (03, 24.11.2017)	<ul style="list-style-type: none"> ○ field campaign in main critical points areas and in secondary critical points to set out the fixed and mobile sources for noise and emissions, in order to establish the anthropization degree; 	<ul style="list-style-type: none"> - data - photos
2.	OTHER ACTIVITIES	<ul style="list-style-type: none"> ○ Contribution to Monthly Report 79 	Reports

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

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No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	Data processing related to aquatic and terrestrial ecosystems for Interim Report 17	Determination of primary statistical values	Primary statistical values
2.	Corroborate the monitoring results for abiotic and biotic parameters for Interim Report 17	Determination of intercorrelations between abiotic and biotic determinants	Correlation functions Quality indicators variation
3.	Data processing for Phase Report on post-construction in CP10	Establishing primary statistical values	Statistical parameters

Expert assessor,
PhD Marian TUDOR

Project Leader,
PhD eng. DEÁK György