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Națională Agency de Protecție Mediului
județ Prahova/Brașov



Ministerul de Educație și Cercetare
2007-2013



TRAN
TRANSPORTURILE ÎN ROMÂNIA. CONECTARE 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

MONTHLY REPORT NO.72: 1 – 30 April 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.72	<ul style="list-style-type: none"> ○ Covering issues according to AFDJ RA Galati guidelines 	Monthly Report 72
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 72 of the project activity		
7	Coordinate the completion of Interim Report 15		
8	Coordinate the completion of Interim Report 16		
9	Elaborate the project activities program for the next period (1 - 31 May 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.	PHYSICAL- CHEMICAL LABORATORY ANALYSIS	<ul style="list-style-type: none"> ▪ Conducting the specific standard procedures for analytical data quality assurance. ▪ Performing physical-chemical laboratory analysis for soil, water and sediments samples, collected in March 2017 	<ul style="list-style-type: none"> ▪ Preliminary data regarding soil, water and sediment quality
2.	OTHER ACTIVITIES	<ul style="list-style-type: none"> ▪ Contribution to Monthly Report 72 drafting ▪ Contribution to Interim Report 16 drafting 	

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 (chemist2)

MONTHLY REPORT

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Post-construction monitoring

No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	Data processing	Processing the data measured in the field, at secondary critical points CP (03 A, 03 B, 04 A, 04 B, 07)	Analysis bulletins
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 72 drafting (chapters Air and Noise Monitoring) ○ Contribution to Interim Report 16 	Monthly Report 72 Interim Report

Expert,
PhD chem. Adriana Borș

Project leader,
PhD eng. DEÁK György



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

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No.	ACTIVITIES	DESCRIPTION	RESULTS
1	Monitoring of sturgeons' migration (03, 04, 05, 10, 11.04.2017)	<ul style="list-style-type: none"> - sturgeons migration monitoring with the monitoring systems; - data downloading from the monitoring systems; - sturgeons migration monitoring with VR100 mobile device; - performing the bathymetric measurements in bottom sill area, on Bala branch and adjacent during sturgeons migration monitoring 	Database
2.	Other activities	Contribution to Monthly Report 72 Contribution to Interim Report 16	Reports

Expert,
PhD eng. Victor CRISTEA

Project Leader,
PhD eng. DEÁK György



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

MONTHLY REPORT
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No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	Data processing for turbidity, temperature and relative level, recorded in automatic stations in April 2017	Statistical processing of level, temperature and turbidity data recorded in April 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 72	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



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

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No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	MONITORING CAMPAIGN (03, 04, 05, 06, 10, 11, 12, 13, 19, 20.04.2017)	Single-beam bathymetric measurements in main critical points for sections profiling	Bathymetric data, primary and processed, bathymetric transversal profiles
2	MONITORING CAMPAIGN (03, 04, 05, 06, 10, 11, 12, 13, 19, 20.04.2017)	ADCP measurements for velocity and flow on the monitoring sector	Unprocessed velocities data
3.	OTHER ACTIVITIES	Continue processing for flow and velocity measurements from previous months	Processed flow and velocity data Velocities sections
		Contributions to Monthly Report 72	Hydromorphology Chapter and Annex 6.5
		Program proposal drafting for 1 - 31 May 2017	Program

Expert,
PhD eng. Gh. Viorel UNGUREANU

Project Leader,
PhD eng. DEÁK György



6.3.11 Expert position: AQUATIC MACROINVERTEBRATES EXPERT - Luiza FLOREA

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No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	LABORATORY ANALYSIS	<ul style="list-style-type: none"> • qualitative and quantitative analysis for benthic macroinvertebrates samples collected from CP 01, 02, 10, 03A, 03B, 04A, 04B, 07 (campaign 17.03.2017) (35 samples) 	<ul style="list-style-type: none"> ▪ 35 analyzed sample units
2.	DATA PROCESSING AND ANALYSIS	<ul style="list-style-type: none"> • Calculation of abundance and numerical density for taxonomic groups for benthic macroinvertebrates • Calculation of Shannon-Wiener diversity index for macroinvertebrates samples • Compiling the list of saprobiological indicators for water quality • Graphic representation of quality data resulting from analysis of macroinvertebrates samples 	<ul style="list-style-type: none"> ▪ values of quality indicators

Expert,
 Luiza FLOREA

Project Leader,
 PhD eng. DEÁK György



6.3.13 Expert position: AVIFAUNA MONITORING EXPERT - JOZSEF SZABO

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No	ACTIVITIES	DESCRIPTION	RESULTS
1.	<p style="text-align: center;">MONITORING CAMPAIGN FOR AVIFAUNA - SPRING SEASON</p> <p style="text-align: center;">(03-07, 10-14, 18, 19.04.2017)</p>	<ul style="list-style-type: none"> ○ Field campaign in CP01 <ul style="list-style-type: none"> ▪ Census of nesting avifauna - assessments on linear trails (transects) and observation points (point count) ▪ Observation for aquatic avifauna from the shore ○ Field campaign in CP02 <ul style="list-style-type: none"> ▪ Census of nesting avifauna - assessments on linear trails (transects) and observation points (point count) ▪ Observation for aquatic avifauna from the shore ○ Field campaign in CP10 <ul style="list-style-type: none"> ▪ Census of nesting avifauna - assessments on linear trails (transects) and observation points (point count) ▪ Observation for aquatic avifauna from the shore ○ Field campaign in CP03 <ul style="list-style-type: none"> ▪ Census of nesting avifauna - assessments on linear trails (transects) and observation points (point count) ▪ Observation for aquatic avifauna from the shore ○ Field campaign in CP04 <ul style="list-style-type: none"> ▪ Census of nesting avifauna - assessments on linear trails (transects) and observation points (point count) ▪ Observation for aquatic avifauna from the shore ○ Field campaign in CP07 <ul style="list-style-type: none"> ▪ Census of nesting avifauna - assessments on linear trails (transects) and observation points (point count) ▪ Observation for aquatic avifauna from the shore 	<ul style="list-style-type: none"> ○ observation sheets; ○ data ○ photos ○ lists of species
2.	OTHER ACTIVITIES	<ul style="list-style-type: none"> ○ Analysis and processing the data from campaign ○ Contribution to Monthly Report 72 	Reports

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)

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No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	ANTHROPIC IMPACT MONITORING (05, 13, 19.04.2017)	<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 72 Contribution to Interim Report 15 completion 	Reports

Expert,
AMBRUS Laszlo

Project Leader,
PhD eng. DEÁK György



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

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No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	<p>MONITORING OF ANTHROPIC IMPACT ON BIODIVERSITY</p> <p>(20, 21, 24.04.2017)</p>	<p>Observation regarding anthropic impact on avifauna from Natura 2000 sites:</p> <ul style="list-style-type: none"> ✓ Field campaign in critical points area - Dunăre Ostroave and Balta Mică a Brăilei, and dobrogean lakes: Oltina lake (ROSPA0056), Dunăreni lake (ROSPA0054), Vederoasa lake (ROSPA0007), Sărat lake (ROSCI0307). 	
2.	<p>OTHER ACTIVITIES</p>	<ul style="list-style-type: none"> ✓ Contribution to Monthly Report 72 ✓ Contribution to Interim Report 16 	<p>Reports</p>

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
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No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	Primary data processing for terrestrial and aquatic ecosystems for Interim Report 16	Setting of primary statistical values	Primary statistical parameters
2.	Coroboration of the monitoring results for abiotic and biotic parameters for Interim Report 16	Establishing the intercorrelations between abiotic and biotic determinants	Correlation functions Quality indicators variations

Expert,
PhD Marian TUDOR

Project Leader,
PhD eng. DEÁK György