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PROGRAMUL OPERATIONAL SECTORIAL 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

MONTHLY REPORT NO.56: 1 – 31 December 2015

ANNEX 6.3.

EXPERTS' ACTIVITY REPORTS



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6.3.1. Expert position: PROJECT LEADER EXPERT- Deák György

MONTHLY REPORT 1 - 31 December 2015 Post-construction monitoring

No.	ACTIVITIES	DESCRIPTION	RESULTS
1	Elaboration of the Monthly Report no.56	<ul style="list-style-type: none"> Covering issues according to AFDJ RA Galati guidelines 	Monthly Report 56
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 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 month 56 of project activity		
7	Coordinate the completion of Interim Report 12		
8	Elaboration of the project activities program for the next period (1 - 31 January 2016)		

Project leader,
PhD eng. Deák György



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MONTHLY REPORT NO.56: 1 – 31 December 2015

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

MONTHLY REPORT 1 - 31 December 2015 Post-construction monitoring

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 for water samples fixation 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 (16.12.2015; 17.12.2015)	<ul style="list-style-type: none"> ▪ Water and sediments sampling from CP01, CP 02, CP10 ▪ The compliance to geographical coordinates for each sampling point has been checked; ▪ The samples has been labelled; ▪ 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"> ▪ 50 water samples ▪ 20 sediment samples
3.	SAMPLING CAMPAIGN FOR SOIL (16.12.2015)	<ul style="list-style-type: none"> ▪ Soil sampling from CP01, CP 02, CP10, CP 03 (A and B), CP 04 (A and B) and CP 07; ▪ The compliance to geographical coordinates for each sampling point has been checked; ▪ The samples has been labelled; ▪ For each soil sample has completed a registration bulletin for the sampling activity; 	<ul style="list-style-type: none"> ▪ 38 soil samples
4.	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 soil, water and sediment quality
5.	OTHER ACTIVITIES	<ul style="list-style-type: none"> ▪ Participation at the Monthly Report 56 ▪ Participation at the Interim Report 12 	

Expert,
PhD eng. Gina GHIȚĂ

Project leader,
PhD eng. DEÁK György



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MONTHLY REPORT NO.56: 1 – 31 December 2015

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

MONTHLY REPORT 1 - 31 December 2015 Post-construction monitoring

No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	Conducting the measurements campaign for noise level, campaign 56 (4,18.12.2015)	For secondary critical points CP (03 A, 03 B, 04A, 04 B, 07)	Point values for noise level
2.	Conducting the measurements campaign /air sampling, campaign 53 (4,18.12.2015)	For secondary critical points CP (03 A,03 B,04 A,04 B,07)	Preliminary values of air quality indicators
3.	Other activities	<ul style="list-style-type: none"> ○ Contribution to Interim Report 12 ○ Contribution to the Monthly Report no. 56 ○ Participation at the meetings of the project implementation team, in order to plan and conduct future activities 	Reports

Expert,
PhD chem. Adriana Borș

Project leader,
PhD eng. DEÁK György



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MONTHLY REPORT NO.56: 1 – 31 December 2015

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

MONTHLY REPORT 1 - 31 December 2015

No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	Scientific fishing for sturgeon species	In December have not been captured any sturgeon specimens for marking with ultrasonic tags.	-
2.	Data downloading: (16, 22.12.2015)	Have been downloaded data from the monitoring systems and been performed maintenance activities.	Database completion
3.	Data processing	Have been processed data downloaded from the monitoring systems	Database completion
4.	Velocities measurements in wintering habitats (21.12.2015)	Have been performed weekly measurements to determine velocities at water surface and near river bottom, in wintering habitats in CP 01	ADCP measurements
5.	Other activities	Contribution to Monthly Report no. 56 Data processing for Interim Report 12	Reports

Ichthyologist Expert,
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 - 31 December 2015

No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	Turbidity, temperature and relative level data processing, recorded in the automatic stations in December 2015	Statistical processing of level, temperature and turbidity data recorded in December 2015, in automatic stations from the monitored 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 the Monthly Report no. 56	Data processing and interpretation.	Hydrology subchapter elaboration for the hydro-morphological 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 - 31 December 2015

No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	MONITORING CAMPAIGN (02-04, 07-11, 14-18.12.2015)	Single-beam bathymetric measurements on the monitoring sector	Primary and processed bathymetric data, transversal bathymetric profiles
2.	MONITORING CAMPAIGN (02-04, 07-11, 14-18.12.2015)	ADCP measurements for velocities and flow on the monitoring sector	Unprocessed velocity data
3.	OTHER ACTIVITIES	Continuation of flow and velocity measurements processing from previous months.	Processed data for flow and velocity Velocities sections
4.	OTHER ACTIVITIES	Contributions to the Monthly Report no. 56	Hydromorphology Chapter and Annex 6.5
		Schedule drafting for 1 - 31 January 2015 period	Schedule

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 - 31 December 2015 Post-construction phase

No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	PREPARING THE SAMPLING CAMPAIGN FOR PHYTOPLANKTON	<ul style="list-style-type: none"> ▪Preparing sampling containers for phytoplankton samples ▪Preparation of reagents for samples fixing in field conditions; ▪Preparing the necessary documents for „in field” samples registration 	Ensure the optimal conditions for conducting the sampling campaign
2.	PERFORMING SAMPLING CAMPAIGN FOR PHYTOPLANKTON (16.12.2015)	<ul style="list-style-type: none"> ▪Specific sampling activities for phytoplankton in CP 03A, 03B, 04A, 04B, 07 ▪Samples fixing according to standards ▪Sampling bulletins completion for phytoplankton 	<ul style="list-style-type: none"> - 15 samples (left bank, centre, right bank) - sampling bulletins
3.	LABORATORY ANALYSIS	<ul style="list-style-type: none"> ▪Microscopical identification for organisms that are part of phytoplankton ▪Quantitative microscopical analysis for algal units of phytoplankton 	Results regarding quality data
4.	DATA PROCESSING AND ANALYSIS	<ul style="list-style-type: none"> ▪drawing up the list of phytoplankton species identified in collected samples ▪calculation of density and biomass for phytoplankton samples ▪calculation of saprobic index and Simpson diversity index for phytoplankton samples 	Values of quality indicators
5.	OTHER ACTIVITIES	<ul style="list-style-type: none"> ▪Contribution to Monthly Report no. 56 - chapter Aquatic flora and fauna monitoring (except for ichthyofauna) ▪Contribution to Interim Report 12 	Monthly Report no. 56 - Chapter F

Expert,
PhD biologist Florica MARINESCU

Project Leader,
PhD eng. DEÁK György



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6.3.10. Expert position: TERRESTRIAL INVERTEBRATES - Cecilia ȘERBAN

MONTHLY REPORT 1 - 31 December 2015

No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	CONDUCTING THE OBSERVATION CAMPAIGN REGARDING PRESENCE/ABSENCE OF LUMBRICIDES (16.12.2015)	- Have been monitored presence/absence of the lumbricides for soil samples collected from critical points locations: CP03 (A and B), CP04 (A and B) and PC07;	Observations regarding presence/absence of the lumbricides
2.	OTHER ACTIVITIES	- Preparing the observation campaign - Assessing the distribution of lumbricides in monitoring areas - Contribution to Interim Report 12	

Expert,
ȘERBAN Cecilia

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 December 2015 Post-construction monitoring

No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	ANTHROPIC IMPACT MONITORING (18.12.2015)	<ul style="list-style-type: none"> ○ field campaign in CP10 area and in secondary critical points to establish fixed and mobile sources of noise and emissions; ○ field campaign in order to establish the anthropization level due to the construction works; 	<ul style="list-style-type: none"> - data - photos
2.	OTHER ACTIVITIES	<ul style="list-style-type: none"> ○ Contribution to the Monthly Report no 56 ○ Contribution to the Interim Report no. 12 ○ Program proposal for the next period activities 	Monthly Report no. 56

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 - 31 December 2015

No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	Data processing related to aquatic and terrestrial ecosystems for Interim Report 12	Establishing the primary statistical values	Primary statistical parameters
2.	Corroboration of the results for abiotic and biotic monitoring parameters for Phase Report	Establishing intercorrelations between abiotic and biotic determinants	Correlation functions Quality indicators variation

Expert assessor,
PhD Marian TUDOR

Project Leader,
PhD eng. DEÁK György