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PROGRAMUL OPERATIONAL SECȚIONAL 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.60: 1 – 30 April 2016

ANNEX 6.3.

EXPERTS' ACTIVITY REPORTS



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MONTHLY REPORT NO.60: 1 – 30 April 2016

6.3.1. Expert position: PROJECT LEADER EXPERT- Deák György

MONTHLY REPORT

1 - 30 April 2016

Post-construction monitoring

No.	ACTIVITIES	DESCRIPTION	RESULTS
1	Elaboration of the Monthly Report no.60	<ul style="list-style-type: none"> ○ Covering issues according to AFDJ RA Galati guidelines 	Monthly Report 60
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 60 th month of project activity		
7	Coordinate the completion of Interim Report 13		
8	Coordinate de Reports for construction phase in CP02 and CP10		
9	Elaboration of the project activities program for the next period (1 - 31 May 2016)		

Project leader,
PhD eng. Deák György



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MONTHLY REPORT NO. 60: 1 – 30 April 2016

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

MONTHLY REPORT

1 - 30 April 2016

Post-construction monitoring

No.	ACTIVITIES	DESCRIPTION	RESULTS
4.	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 sediment samples, collected in March 2016 (100 water samples, 40 sediment samples, 20 soil samples) 	<ul style="list-style-type: none"> ▪ Preliminary data regarding soil, water and sediment quality
5.	OTHER ACTIVITIES	<ul style="list-style-type: none"> ▪ Contribution to Monthly Report 60 drafting ▪ Contribution to Interim Report 13 drafting ▪ Participation to Completion Report for construction phase in CP10 ▪ Participation to Completion Report for construction phase in CP10 	

Expert,
PhD eng. Gina GHIȚĂ

Project leader,
PhD eng. DEÁK György



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MONTHLY REPORT NO. 60: 1 – 30 April 2016

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

MONTHLY REPORT 1 - 30 April 2016

Post-construction monitoring

No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	Data processing	Field data processing for air, made in March in secondary critical points	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 60 drafting (chapters Air and Noise Monitoring) ○ Contribution to Report for Execution Phase in CP02, construction stage ○ Contribution to Report for Execution Phase in CP10, construction stage ○ Contribution to Interim Report 13 completion 	Monthly Report 60

Expert,
PhD chem. Adriana Borș

Project leader,
PhD eng. DEÁK György



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MONTHLY REPORT NO. 60: 1 – 30 April 2016

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

MONTHLY REPORT 1 - 30 April 2016

No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	Data downloading and maintenance in CP01: (08, 22, 27.04.2016)	Have been downloaded data from the monitoring systems and been performed maintenance activities.	Database
2.	Active monitoring with VR100 for sturgeons on Bala branch CP01 (01, 04, 06, 08, 11, 14, 19, 21, 22.04.2016)	Have been actively monitored the sturgeons' movement on Bala branch with VR100 device	Database
3.	Velocities measurements over the bottom sill on Bala branch and in breeding habitats in CP01 (19, 27.04)	Have been performed measurements in order to determine flow rates and velocities that will be correlate with the periods when sturgeon specimens pass over the bottom sill area. Were made velocity measurements in breeding habitats from CP01	Database
4.	Other activities	Data processing for Interim Report 13 Contribution to Phase Report drafting for CP02 Contribution to Phase Report drafting for CP10 Drafting the Report regarding sturgeons Contribution to Monthly Report no. 60	Reports

Ichthyologist Expert,
PhD eng. Victor CRISTEA

Project Leader,
PhD eng. DEÁK György



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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. 60: 1 – 30 April 2016

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

MONTHLY REPORT 1 - 30 April 2016 Post-construction monitoring

No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	Turbidity, temperature and relative level data processing, recorded in the automatic stations in April 2016	Statistical processing of level, temperature and turbidity data recorded in March 2016, 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. 60	Processing and interpretation of specific data.	Hydrology subchapter drafting for the hydro-morphological monitoring activity and Annex 6.5
3.	Contribution to other reports	Processing and interpretation of specific data for: <ul style="list-style-type: none"> - Interim Report 13 - Completion Report for construction phase CP02 - Completion Report for construction phase CP10 	Hydrology subchapter drafting 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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MONTHLY REPORT NO.60: 1 – 30 April 2016

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

MONTHLY REPORT

1 - 30 April 2016

Post-construction monitoring

No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	MONITORING CAMPAIGN (01, 04, 05, 06.04.2016)	Multi-beam bathymetric measurements in critical points CP01 and CP02.	Bathymetric data, primary and pre-processed
2.	MONITORING CAMPAIGN (01, 04, 05, 06, 07, 08, 11, 12, 13, 15, 25, 26.04.2016)	Single-beam bathymetric measurements in main critical points for sections profiling	Bathymetric data, primary and processed, bathymetric transversal profiles
		ADCP measurements for velocity and flow on the monitoring sector	
3.	OTHER ACTIVITIES	Continuation of measurements processing for flow and velocity from previous months	Processed data for flow rate and velocity Velocities sections
		Contributions to Monthly Report 60	Hydromorphology Chapter and Annex 6.5
		Contributions to completion of Interim Report 13	Hydromorphology chapter
		Contribution to Construction Phase Reports drafting for CP02 and CP10	Hydromorphology chapter
		Drafting the Report regarding 3D ADV measurements	
		Schedule proposal drafting for 1 - 31 May 2016	Schedule

Expert,
PhD eng. Gh. Viorel UNGUREANU

Project Leader,
PhD eng. DEÁK György



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MONTHLY REPORT NO. 60: 1 – 30 April 2016

6.3.8 Expert position: MACROPHYTES AND PHYTOPLANKTON EXPERT - Florica Marinescu

MONTHLY REPORT 1 - 30 April 2016 Post-construction monitoring

No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	LABORATORY ANALYSIS	<ul style="list-style-type: none"> ▪ Microscopic identification of the organisms from phytoplankton composition for samples collected from CP03A, CP03B, CP04A, CP04B, CP07 (in campaign 28.03.2016) ▪ Quantitative microscopic analysis of algal units from phytoplankton composition 	Results regarding quality data
2.	DATA PROCESSING AND ANALYSIS	<ul style="list-style-type: none"> ▪ Preparing 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 ▪ Preparing the list of macrophytes species identified in each critical point ▪ Calculation of density and biomass for aquatic macrophytes 	Values of quality indicators
3.	OTHER ACTIVITIES	<ul style="list-style-type: none"> ▪ Contribution to Monthly Report no. 60 - chapter Aquatic flora and fauna monitoring (except for ichthyofauna) ▪ Contribution to Interim Report 13 ▪ Contribution to Reports for construction phase drafting in CP02 and CP10 	Monthly Report no.60 - Chapter F

Expert,
PhD biologist Florica MARINESCU

Project Leader,
PhD eng. DEÁK György



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MONTHLY REPORT NO. 60: 1 – 30 April 2016

6.3.11 Expert position: AQUATIC MACROINVERTEBRATES EXPERT - Luiza FLOREA

MONTHLY REPORT 1 - 30 April 2016 Post-construction monitoring

No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	LABORATORY ANALYSIS	<ul style="list-style-type: none"> Additional sorting for benthic macroinvertebrates collected samples, in order to select benthic organisms and for further investigations Qualitative and quantitative analysis for benthic macroinvertebrates samples collected from CP 01, 02, 10, 03A, 03B, 04A, 04B, 07 (campaign in 30.03.2016) 	<ul style="list-style-type: none"> 40 sorted sample units 40 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
3.	OTHER ACTIVITIES	<ul style="list-style-type: none"> Contribution to Interim Report 13 Contribution to Report for construction phase at CP02 Contribution to Report for construction phase at CP10 	

Expert,
Luiza FLOREA

Project Leader,
PhD eng. DEÁK György



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MONTHLY REPORT NO.60: 1 – 30 April 2016

6.3.13 Expert position: AVIFAUNA MONITORING EXPERT - JOZSEF SZABO

MONTHLY REPORT 1 - 30 April 2016

No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	OTHER ACTIVITIES	<ul style="list-style-type: none"> - Contribution to Interim Report 13 - Contribution to Phase Report drafting for CP10 - Contribution to Phase Report drafting for CP02 	Reports

Expert,
JOZSEF SZABO

Project Leader,
PhD eng. DEÁK György



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MONTHLY REPORT NO. 60: 1 – 30 April 2016

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

MONTHLY REPORT 1 - 30 April 2016 Post-construction monitoring

No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	ANTHROPIC IMPACT MONITORING (11.04.2016)	<ul style="list-style-type: none"> ○ field campaign in critical points CP01 and CP02 areas and in secondary critical points to establish fixed and mobile sources of noise and emissions; ○ field campaign in order to establish the anthropization degree due to 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 60 ○ Contribution to Interim Report no. 13 drafting and to Phase Reports ○ Drafting the program proposal for next period activities 	Monthly Report no. 60

Expert,
AMBRUS Laszlo

Project Leader,
PhD eng. DEÁK György



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MONTHLY REPORT NO.60: 1 – 30 April 2016

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

MONTHLY REPORT 1 - 30 April 2016

No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	OTHER ACTIVITIES	<ul style="list-style-type: none"> ○ Participation to Interim Report 13 ○ Contribution to Phase Report drafting for CP10 ○ Contribution to Phase Report drafting for CP02 	Reports

Expert,
PhD Tania ZAHARIA

Project Leader,
PhD eng. DEÁK György



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MONTHLY REPORT NO. 60: 1 – 30 April 2016

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

MONTHLY REPORT 1 - 30 April 2016

No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	Data processing related to aquatic and terrestrial ecosystems for Interim Report 14	Establishing the primary statistical values	Primary statistical parameters
2.	Corroboration of the results for abiotic and biotic parameters monitoring for Interim Report 13	Establishing intercorrelations between abiotic and biotic determinants	Correlation functions Quality indicators variation
3.	Data processing for Phase Report drafting in CP10	Establishing intercorrelations between abiotic and biotic determinants	Indicators variation
4.	Data processing for Phase Report drafting in CP02	Establishing intercorrelations between abiotic and biotic determinants	Indicators variations

Expert assessor,
PhD Marian TUDOR

Project Leader,
PhD eng. DEÁK György