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TRANS
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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.64: 1 – 31 August 2016

ANNEX 6.3.

EXPERTS' ACTIVITY REPORTS



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MONTHLY REPORT NO.64: 1 – 31 August 2016

6.3.1. Expert position: PROJECT LEADER EXPERT- Deák György

MONTHLY REPORT 1 - 31 August 2016 Post-construction monitoring

No.	ACTIVITIES	DESCRIPTION	RESULTS
1	Elaboration of the Monthly Report no.64	<ul style="list-style-type: none"> ○ Covering issues according to AFDJ RA Galati guidelines 	Monthly Report 64
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"> ○ Field visits for activities monitoring ○ Working meetings 	
5	Approval of experts' monthly activity reports		
6	Checking and approving the documents elaborated in month 64 of the project activity		
7	Coordinate the completion of Interim Report 14		
8	Elaborate the project activities program for the next period (1 - 30 September 2016)		

Project leader,
PhD eng. Deák György



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MONTHLY REPORT NO.64: 1 – 31 August 2016

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

MONTHLY REPORT 1 - 31 August 2016 Post-construction monitoring

No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	OTHER ACTIVITIES	<ul style="list-style-type: none"> ▪ Contribution to Monthly Report 64 drafting ▪ Contribution to Interim Report 14 drafting 	

Expert,
PhD eng. Gina GHIȚĂ

Project leader,
PhD eng. DEÁK György



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MONTHLY REPORT NO.64: 1 – 31 August 2016

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

MONTHLY REPORT 1 - 31 August 2016 Post-construction monitoring

No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	Performing the measurements campaign for noise level, campaign 64 (12,19,31.08.2016)	For main critical points CP 01, CP 02 and CP 10	Point values for noise level
2.	Performing the measurements/sampling campaign for air, campaign 61 (12,19,31.08.2016)	For main critical points CP 01, CP 02 and CP 10	Preliminary values for air quality indicators
3.	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 64 drafting (chapters Air and Noise Monitoring) ○ Contribution to Interim Report 14 	Monthly Report 64 Interim Report

Expert,
PhD chem. Adriana Borș

Project leader,
PhD eng. DEÁK György



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MONTHLY REPORT NO.64: 1 – 31 August 2016

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

MONTHLY REPORT 1 - 31 August 2016 Post-construction monitoring

No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	Data downloading in CP 01, CP 02 (12.08.2016)	Data have been downloaded from the monitoring systems.	Database
2	Installing the monitoring systems on Bala branch (12.08.2016)	The number of the monitoring systems on Bala branch was supplemented to cover an area as large as possible for ultrasonic signal detection, to provide information on the behavior of sturgeons in bottom sill area	
3	Sturgeons tagging (19, 31.08.2016)	Were marked with ultrasonic and anti-poaching spaghetti tag a starry sturgeon and a Danube sturgeon	Capturing, tagging and releasing sheet
4.	Other activities	Contribution to Monthly Report no. 64 Contribution to Interim Report 14	Reports

Expert,
PhD eng. Victor CRISTEA

Project Leader,
PhD eng. DEÁK György



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MONTHLY REPORT NO.64: 1 – 31 August 2016

6.3.5 Expert position: ICHTYOLOGIST 2 EXPERT - Other fish species - Istvan Falka

MONTHLY REPORT 1 - 31 August 2016 Post-construction monitoring

No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	Scientific fishing for other fish species in critical points: CP01, CP02, CP03, CP04, CP07 (12,19,30.08.2016)	Have been made electrical scientific fishing sections, in critical points areas 01, 02, 03, 04 and 07. Collected specimens were measured and weighed before being released into the aquatic environment.	- Fish species distribution on the monitoring areas, - Determination of the relative abundance and biomass for the fish species identified after scientific electrical fishing activity.
2.	Other activities	Primary data processing Contribution to Monthly Report 64 Contribution to Interim Report 14	Report

Expert,
PhD biologist Istvan FALKA

Project Leader,
PhD eng. DEÁK György



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MONTHLY REPORT NO.64: 1 – 31 August 2016

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

MONTHLY REPORT 1 - 31 August 2016 Post-construction monitoring

No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	Data processing for turbidity, temperature and relative level, recorded in automatic stations in August 2016	Statistical processing of level, temperature and turbidity data recorded in August 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. 64	Processing and interpretation of specific data.	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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6.3.7. Expert position: HYDRAULIC SEDIMENTOLOGY EXPERT - Gh. Viorel UNGUREANU

MONTHLY REPORT 1 - 31 August 2016 Post-construction monitoring

No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	MONITORING CAMPAIGN CP01 (01-05, 31.08.2016)	Single-beam bathymetric measurements in critical point CP01 for sections profiling	Bathymetric data, primary and processed, bathymetric transversal profiles
2.	MONITORING CAMPAIGN CP02 (12, 19.08.2016)	Single-beam bathymetric measurements in critical point CP02 for sections profiling	Bathymetric data, primary and processed, bathymetric transversal profiles
3.	MONITORING CAMPAIGN CP10 (24-25.08.2016)	Single-beam bathymetric measurements in critical point CP10 for sections profiling	Bathymetric data, primary and processed, bathymetric transversal profiles
4.	MONITORING CAMPAIGN (01-05, 12, 19, 24, 25, 31.08.2016)	ADCP measurements for velocity and flow on the monitoring sector	Unprocessed velocities data
5.	OTHER ACTIVITIES	Contributions to Monthly Report 64	Hydromorphology Chapter and Annex 6.5
		Contributions to Interim Report 14	Hydromorphology chapter
		Schedule proposal drafting for 1 - 30 September 2016	Schedule

Expert,
PhD eng. Gh. Viorel UNGUREANU

Project Leader,
PhD eng. DEÁK György



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MONTHLY REPORT NO.64: 1 – 31 August 2016

6.3.9 Expert position: ZOOPLANKTON EXPERT - Adina Popescu

MONTHLY REPORT 1 - 31 August 2016 Post-construction monitoring

No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	PREPARING THE SAMPLING CAMPAIGN FOR ZOOPLANKTON	<ul style="list-style-type: none"> ▪ preparing sampling containers/equipments for sampling and concentrating ▪ 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 ZOOPLANKTON (22.08.2016)	<ul style="list-style-type: none"> ▪ specific sampling activities for zooplankton from critical CP 01, 02, 10, 03A, 03B, 04A, 04B, 07 ▪ samples fixing and labelling ▪ Sampling bulletins completion for zooplankton 	<ul style="list-style-type: none"> ▪ 60 sample units collected ▪ Sampling bulletins
3.	LABORATORY ANALYSIS	<ul style="list-style-type: none"> ▪ preparing samples for microscopic analysis ▪ microscopic determination of the species from zooplankton composition ▪ drawing up the species list of organisms in the zooplankton composition ▪ microscopic counting of zooplankton species (quantitative analysis) 	<ul style="list-style-type: none"> ▪ 60 sample units analyzed ▪ Results on quality data
4.	DATA PROCESSING AND ANALYSIS	<ul style="list-style-type: none"> ▪ Indicators calculation: number of species and specific diversity indices ▪ calculation of density and biomass for zooplankton species ▪ interpreting the quality data resulting from zooplankton analyzes 	<ul style="list-style-type: none"> ▪ values of quality indicators

Expert,
Adina Popescu

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 August 2016 Post-construction monitoring

No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	ANTHROPIC IMPACT MONITORING (08.08.2016)	<ul style="list-style-type: none"> ○ field campaign in critical points areas and in secondary critical points to set out the fixed and mobile sources for 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 64 ○ Contribution to Interim Report 14 	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

MONTHLY REPORT
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No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	Primary data processing related to aquatic and terrestrial ecosystems for Interim Report 14	Setting of primary statistical values	Primary statistical parameters
2.	Corroborating the monitoring results of abiotic and biotic parameters for Interim Report 14	Establishing the intercorrelations between abiotic and biotic determinants	Correlation functions Quality indicators variations

Expert,
PhD Marian TUDOR

Project Leader,
PhD eng. DEÁK György