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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
PHASE II

MONTHLY REPORT NO. 50: 1 – 30 June 2015

ANNEX 6.3.

EXPERTS' ACTIVITY REPORTS



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MONTHLY REPORT NO. 50: 1 – 30 June 2015

6.3.1. Expert position: PROJECT LEADER EXPERT- Deák György

MONTHLY REPORT 1 - 30 June 2015

No.	ACTIVITIES	DESCRIPTION	RESULTS
1	Elaboration of the Monthly Report no.50	<ul style="list-style-type: none"> ○ Covering issues according to AFDJ RA Galati guidelines 	Monthly Report 50
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 ○ Participation at the progress meeting 	
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 50 month of project activity		
7	Coordinate the completion of Interim Report 11		
8	Elaboration of the project activities program for the next period (1 - 31 July 2015)		

Project leader,
PhD eng. Deák György



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MONTHLY REPORT NO. 50: 1 – 30 June 2015

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

MONTHLY REPORT 1 - 30 June 2015

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 soil, water and sediments; ▪ Preparation of reagents to fix water samples 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 (16.06.2015; 23.06.2015)	<ul style="list-style-type: none"> ▪ Water and sediments sampling from CP 01, CP 02 and 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 (16.06.2015)	<ul style="list-style-type: none"> ▪ Soil samples has been collected from CP 01, 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 50 ▪ Participation at the Interim Report 10 	

Expert,
PhD eng. Gina GHIȚĂ

Project leader,
PhD eng. DEÁK György



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MONTHLY REPORT NO. 50: 1 – 30 June 2015

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

MONTHLY REPORT 1 - 30 June 2015

No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	Measurements campaign for noise level, campaign no. 50 (4,8,18.06.2015)	For main critical points CP 01 and CP 02 and secondary critical points (03 A,03 B,04 A, 04 B, 07)	Punctual values of noise level
2.	Measurements/sampling campaign for air, campaign no. 47 (4,8,18.06.2015)	For main critical points CP 01 and CP 02 and secondary critical points (03 A,03 B,04 A, 04 B, 07)	Preliminary values of the air quality indicators
3.	Data processing	Processing of the data measured in the field	Analysis bulletins
4.	Other activities	<ul style="list-style-type: none"> ○ Participation at the meetings of the project team, in order to plan the future activities ○ Contribution to the Monthly Report no. 50 (Chapters: Air and Noise Monitoring) ○ Contribution to Interim Report 11 	Monthly Report no 50

Expert,
PhD chem. Adriana Borș

Project leader,
PhD eng. DEÁK György



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MONTHLY REPORT NO. 50: 1 – 30 June 2015

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

MONTHLY REPORT 1 - 30 June 2015

No.	ACTIVITIES	DESCRIPTION	RESULTS
1	Scientific fishing for sturgeon species (every week)	Based on special permits release by ANPA, have been performed fishing activities with nets for capturing and tagging sturgeons species specimens	No sturgeon or barbell specimens have been captured for tagging
2	Velocities measurements in habitats: - PC01 - 07.06.2015 - PC10 - 06.06.2015	Have been made measurements in order to determine velocities in feeding habitats, from CP01 and CP10	Measurements
3	Data downloading and maintenance: - PC01 - 07.06, 26.06.2015 - PC10 - 05.06, 24.06.2015	Have been downloaded data from monitoring systems and performed maintenance activities.	Data obtained from the monitoring systems
4	Other activities	Contribution to Monthly Report no. 50 Data processing for Interim Report 11	Reports

Expert sturgeons ichthyologist,
PhD eng. Victor CRISTEA

Project Leader,
PhD eng. DEÁK György



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

MONTHLY REPORT 1 - 30 June 2015

No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	Shad migration monitoring	Processing the data obtained from scientific fishing for Alosa species, for Interim Report 11	- shad distribution on monitoring areas - structure on size and age classes - identification for shad larvae
2.	Other activities	Contribution to the Monthly Report no. 50 Preparing scientific fishing campaign for other fish species (July - September period)	Report

Expert ihtiolog, other fish species,

PhD. biol. FALKA Istvan

Project Leader,

PhD eng. DEÁK György



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MONTHLY REPORT NO. 50: 1 – 30 June 2015

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

MONTHLY REPORT 1 - 30 June 2015

No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	Turbidity, temperature and relative level data processing, recorded in the automatic stations in June 2015	Statistical processing of level, temperature and turbidity data recorded in June 2015, in automatic stations from CP 01, CP02 and CP10.	Statistical indicators, turbidity and temperature variation graphics, hodographs of the relative and absolute water level, water gradients, correlations between the automatic monitoring stations.
2.	Contribution to the Monthly Report no. 50	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 - 30 June 2015

No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	MONITORING CAMPAIGN (04, 05, 12, 16-18, 22-24, 30.06.2015)	Single-beam bathymetric measurements in main critical points and on monitoring sections. Multi-beam measurements in critical points CP01 and CP02.	Raw and processed bathymetric data, transversal bathymetric profiles
2.	MONITORING CAMPAIGN (04, 05, 12, 16-18, 22-24, 30.06.2015)	Weekly water velocity measurements on 5 transversal sections near the automatic monitoring stations for turbidity and level at critical points CP01-CP02-CP10	Unprocessed velocity data
3.	OTHER ACTIVITIES	Continuation of flow and velocity measurements processing from previous months.	Processed velocity and flow data Velocities sections
4.	OTHER ACTIVITIES	Contributions to the Monthly Report no. 50	Hydro-morphology Chapter and Annex 6.5
		Contribution to Interim Report 11	Chapter hydromorphology and Annexes
		Schedule drafting for 1 - 31 July 2015 period	Schedule

Expert,
PhD eng. Gh. Viorel UNGUREANU

Project Leader,
PhD eng. DEÁK György



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6.3.10. Expert position: TERRESTRIAL INVERTEBRATES - Cecilia ȘERBAN

MONTHLY REPORT 1 - 30 June 2015

No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	PERFORMING OBSERVATION CAMPAIGN REGARDING PRESENCE/ABSENCE OF LUMBRICIDES (16.06.2015)	- have been monitored the presence/absence of lumbricides in soil samples collected from critical points areas: CP 01, CP 02, CP10, CP 03 (A and B), CP 04 (A and B) and CP 07;	Observations regarding presence/absence of lumbricides
2.	OTHER ACTIVITIES	- Preparing observation campaign - Assessment of lumbricides distribution in monitoring areas - Contribution to Interim Report 11	

Expert,
ȘERBAN Cecilia

Project Leader,
PhD eng. DEÁK György



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MONTHLY REPORT NO. 50: 1 – 30 June 2015

6.3.11 Expert Position: AQUATIC MACROINVERTEBRATES EXPERT - Luiza FLOREA

MONTHLY REPORT 1 - 30 June 2015

No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	PREPARING THE SAMPLING CAMPAIGN FOR AQUATIC MACROINVERTEBRATES	<ul style="list-style-type: none"> preparing the sampling containers preparing reagents for fixing samples in field conditions preparing necessary documents for samples registration in field 	Ensure optimal conditions for sampling campaign
2.	SAMPLING CAMPAIGN FOR AQUATIC MACROINVERTEBRATES (23-24.06.2015)	<ul style="list-style-type: none"> specific activities for aquatic macroinvertebrates samples from critical points 01, 02, 03A, 03B, 04A, 04B, 07 and CP 10 verification of compliance with GPS coordinates for each sampling point samples fixing and labeling completing the bulletins for aquatic macroinvertebrates samples 	<ul style="list-style-type: none"> 40 collected sample units Sampling bulletins
3.	PERFORMING 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 collected benthic macroinvertebrates samples 	<ul style="list-style-type: none"> 40 sorted sample units 15 analyzed samples
4.	OTHER ACTIVITIES	<ul style="list-style-type: none"> Contribution to Monthly Report no. 50 Data processing for Interim Report 11 	Reports

Expert,
Luiza FLOREA

Project Leader,
PhD eng. DEÁK György



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6.3.12. Expert Position: FLORA AND TERRESTRIAL VEGETATION EXPERT - Frink József Pál

MONTHLY REPORT 1 - 30 June 2015

No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	PREPARING MONITORING CAMPAIGN FOR TERRESTRIAL VEGETATION	Preparing logistics and timetable for achieving of phytosociological survey in permanent plots for critical points mentioned in the Specifications, for this monitoring period.	Ensure optimal conditions for sampling campaign

Expert,
Frink József Pál

Project Leader,
PhD eng. DEÁK György



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6.3.13 Expert position: AVIFAUNA IMPACT MONITORING EXPERT - JOZSEF SZABO

MONTHLY REPORT 1 - 30 June 2015

NO.	ACTIVITIES	DESCRIPTION	RESULTS
1.	<p>MONITORING AVIFAUNA CAMPAIGN FOR SPRING SEASON</p> <p>(15-19, 20-27.06.2015)</p>	<ul style="list-style-type: none"> ○ Field campaign in CP01 <ul style="list-style-type: none"> ▪ Assessment on linear trails (transects) and observation points (point count) ▪ Observation for aquatic and migratory avifauna from the shore ▪ Observation for aquatic avifauna from boat ○ Field campaign in CP02 <ul style="list-style-type: none"> ▪ Assessment on linear trails (transects) and observation points (point count) ▪ Observation for aquatic and migratory avifauna from the shore ▪ Observation for aquatic avifauna from boat ○ Field campaign in CP10 <ul style="list-style-type: none"> ▪ Assessment on linear trails (transects) and observation points (point count) ▪ Observation for aquatic and migratory avifauna from the shore ▪ Observation for aquatic avifauna from boat ○ Field campaign in CP03 <ul style="list-style-type: none"> ▪ Assessment on linear trails (transects) and observation points (point count) ▪ Observation for aquatic and migratory avifauna from the shore ▪ Observation for aquatic avifauna from boat ○ Field campaign in CP04 <ul style="list-style-type: none"> ▪ Assessment on linear trails (transects) and observation points (point count) ▪ Observation for aquatic and migratory avifauna from the shore ▪ Observation for aquatic avifauna from boat ○ Field campaign in CP07 <ul style="list-style-type: none"> ▪ Assessment on linear trails (transects) and observation points (point count) ▪ Observation for aquatic and migratory avifauna from the shore ▪ Observation for aquatic avifauna from boat 	<ul style="list-style-type: none"> ○ observation sheets; ○ data ○ images ○ lists of species
2.	OTHER ACTIVITIES	<ul style="list-style-type: none"> - Contribution to the Monthly Report no. 50 (chapter G și H) - Contribution to the Interim Report no. 11 - Program proposal for the next period activities 	Reports

Expert,
JOZSEF SZABO

Project Leader,
PhD eng. DEÁK György



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MONTHLY REPORT NO. 50: 1 – 30 June 2015

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

MONTHLY REPORT 1 - 30 June 2015

No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	MONITORING CAMPAIGN FOR THE ANTHROPIC IMPACT (24, 25, 26.06.2015)	<ul style="list-style-type: none"> ○ field campaign in critical points CP01, CP02 areas to establish fixed and mobile sources of noise and emissions; ○ field campaign in order to establish the anthropization level in the area of the construction site; ○ verification of the construction site, including the materials used by constructor; ○ sites verification; 	<ul style="list-style-type: none"> - data - photos
2.	OTHER ACTIVITIES	<ul style="list-style-type: none"> ○ Contribution to the Monthly Report no 50 ○ Contribution to the Interim Report no. 11 ○ Program proposal for the next period activities 	Monthly Report no. 50

Expert,
AMBRUS Laszlo

Project Leader,
PhD eng. DEÁK György



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

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No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	ANTHROPIC IMPACT ON BIODIVERSITY MONITORING (16-19, 22-25.06.2015)	<p>Observation regarding anthropic impact on avifauna in Natura 2000 sites:</p> <ul style="list-style-type: none"> ○ Field campaign in critical points area and dobrogean lakes. <p>Observation in field, in order to establish construction sites influence on avifauna.</p>	<ul style="list-style-type: none"> - data - photos - species list
2.	OTHER ACTIVITIES	<ul style="list-style-type: none"> ○ Contribution to the Monthly Report no 50 ○ Contribution to the Interim Report 11 	Reports

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

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No.	ACTIVITIES	DESCRIPTION	RESULTS
1	Primary data processing for Interim Report 11	Data regarding to aquatic and terrestrial ecosystems	Centralization tables
2	Data processing related to aquatic and terrestrial ecosystems for Interim Report 11	Establishing the primary statistical values	Primary statistical parameters
3	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



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6.3.17 EXPERT 3D MODELLING - prof.dr. HELMUT HABERSACK

MONTHLY REPORT 1 - 30 June 2015

No	ACTIVITY	DESCRIPTION	RESULTS
1.	Calibration of the sediment transport model iSed.	Adjustment of erosion and deposition correction factors of the sediment transport model to obtain a dynamic equilibrium of the suspended sediment transport and to match the measured values at steady-state conditions.	Calibrated sediment transport model.
2.	Validation of the sediment transport model iSed.	Verification of the dynamic equilibrium of the sediment transport and comparison of the measured and simulated suspended sediment concentration, respectively transport at independent steady-state conditions.	Validated sediment transport model.
3.	Modelling with Delft3D of Danube stream action tendencies at banks at CP02 for flow situations from June 2015.	Modelling of Danube water flow and tendencies of local effects near banks at CP02 for flows encountered in June 2015.	Results of numerical simulations.
4.	Data fill in for modelling on the basis of measurements.	Data processing activities for measurements on the Danube and preparation of datasets for modelling.	Data processing for modelling, based on measurements.
5.	Other activities.	Participation in elaboration of Monthly Report 50.	Monthly Report 50.

Expert,
Dr. Helmut HABERSACK

Project coordinator,
Dr. ing. DEÁK György