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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. 52: 1 – 31 August 2015

ANNEX 6.3.

EXPERTS' ACTIVITY REPORTS



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MONTHLY REPORT NO. 52: 1 – 31 August 2015

6.3.1. Expert position: PROJECT LEADER EXPERT- Deák György

MONTHLY REPORT 1 - 31 August 2015

No.	ACTIVITIES	DESCRIPTION	RESULTS
1	Elaboration of the Monthly Report no.52	<ul style="list-style-type: none"> ○ Covering issues according to AFDJ RA Galati guidelines 	Monthly Report 52
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 (04.08.2015) 	
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 52 of project activity		
7	Coordinate the completion of Interim Report 11		
8	Elaboration of the project activities program for the next period (1 - 30 September 2015)		

Project leader,
PhD eng. Deák György



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

MONTHLY REPORT 1 - 31 August 2015 Post-construction monitoring

No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	OTHER ACTIVITIES	<ul style="list-style-type: none"> ▪ Participation at the Monthly Report 52 ▪ Participation at the Interim Report 11 	

Expert,
PhD eng. Gina GHIȚĂ

Project leader,
PhD eng. DEÁK György



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MONTHLY REPORT NO. 52: 1 – 31 August 2015

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

MONTHLY REPORT 1 - 31 August 2015

No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	Measurements campaign for noise level, campaign no. 52 (11, 26, 31.08.2015)	For main critical points CP 01, CP 02, CP10	Punctual values of noise level
2.	Measurements/sampling campaign for air, campaign no. 49 (11, 26, 31.08.2015)	For main critical points CP 01, CP 02, CP10	Preliminary values of 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 implementation team, in order to plan and conduct future activities ○ Contribution to the Monthly Report no. 52 (Chapters: Air and Noise Monitoring) ○ Contribution to Interim Report 11 completion 	Monthly Report no 52

Expert,
PhD chem. Adriana Borș

Project leader,
PhD eng. DEÁK György



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MONTHLY REPORT NO. 52: 1 – 31 August 2015

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

MONTHLY REPORT 1 - 31 August 2015

No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	Preparing the documentation in order to obtain permits for scientific fishing for sturgeon species	Have been designated boats and fishermen for scientific fishing on sturgeons and necessary documents been prepared.	ANPA decision was issued on the boats nomination
2.	Data downloading:	Have been downloaded data from the monitoring systems.	Database completion
3.	Other activities	Contribution to Monthly Report no. 52 Data processing for Interim Report 11	Reports

Expert 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 - 31 August 2015

No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	Scientific fishing in CP03, CP04, CP07 (17, 18, 19, 27, 28.08.2015)	Have been made transects for electrical fishing on shore, on Bala branch upstream and downstream from the bottom sill; Old Danube km 329-326, km 324-321 and km 291-290.	- species distribution, abundance and biomass of captured specimens
2.	Other activities	Contribution to the Monthly Report no. 52 Contribution to Interim Report 11	Reports

Expert Ichthyologist, other fish species,
PhD. biol. FALKA Istvan

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 August 2015 Post-construction monitoring

No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	Turbidity, temperature and relative level data processing, recorded in the automatic stations in August 2015	Statistical processing of level, temperature and turbidity data recorded in August 2015, in automatic stations placed on monitored sector	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. 52	Data processing and interpretation.	Hydrology subchapter elaboration for the hydro-morphological monitoring activity and Annex 6.5
3.	Contribution at Interim Report 11 completion	Data processing and interpretation.	Elaboration of hydrology subchapter at hydromorphological monitoring activity and specific annexes.

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 2015

No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	MONITORING CAMPAIGN (04, 10, 11, 17-21, 24-28.08.2015)	Single-beam bathymetric measurements in CP01, CP02, CP10, on Bala branch - search for pits-habitats in secondary critical points	Primary and processed bathymetric data, transversal bathymetric profiles
		ADCP measurements for velocity and flow rate in CP01, CP02, CP10, on Bala branch - search for pits-habitats in secondary critical points	Unprocessed velocity data
2.	OTHER ACTIVITIES	Continuation of flow and velocity measurements processing from previous months.	Processed velocity and flow data Velocities sections
		Contributions to the Monthly Report no. 52	Hydro-morphology Chapter and Annex 6.5
		Contribution to Interim Report 11	Chapter hydromorphology and Annexes
		Schedule drafting for 1 - 30 September 2015 period	Schedule

Expert,
PhD eng. Gh. Viorel UNGUREANU

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 2015

No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	MONITORING CAMPAIGN FOR THE ANTHROPIC IMPACT (11, 26, 31.08.2015)	<ul style="list-style-type: none"> ○ field campaign in critical point CP10 area and in critical points 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 52 ○ Contribution to the Interim Report no. 11 ○ Program proposal for the next period activities 	Monthly Report no. 52

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 August 2015

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 - PhD HELMUT HABERSACK

MONTHLY REPORT 1 - 31 August 2015

No	ACTIVITY	DESCRIPTION	RESULTS
1.	Sediment transport simulation for Sill Phase III without cover, with cover, respectively with cover and dredging	Sediment transport simulation for Sill Phase III without cover, with cover, respectively with cover and dredging at CP01 and CP02 with iSed	Sediment transport simulation for Sill Phase III without cover, with cover, respectively with cover and dredging.
2.	Modelling with Delft3D of Danube stream action near banks at CP02 for flow situations from July 2015.	Water flow modelling and tendencies of local effects near banks at CP02 for flows encountered in July 2015.	Results of numerical simulations.
3.	Calibration of Delft3D hydrodynamic model, first loop Calarasi-Vadu Oii for Bala sill, Phase III	Calibration of Delft3D hydrodynamic model for the first loop Calarasi-Vadu Oii corresponding to Bala sill Phase III	Hydrodynamic calibrated Delft3D model for the first loop Calarasi-Vadu Oii.
4.	Recalibration of hydrodynamic Delft3D model in CP10.	Delft3D hydrodynamic model for CP10 was recalibrated using the last water level, discharge and velocity measurements	Hydrodynamic calibrated Delft3D model for CP10.
5.	Other activities	Contributions to Monthly Report no. 52.	Monthly Report no. 52.

Expert,
PhD HELMUT HABERSACK

Project leader,
PhD eng. DEÁK György