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PROGRAMUL OPERATIONAL REGIONAL 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
PHASE II *MONTHLY REPORT NO.41: 1–30 September 2014*

ANNEX 6.3.

EXPERTS' ACTIVITY REPORTS



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6.3.1. Expert position: PROJECT LEADER EXPERT- Deák György

MONTHLY REPORT 1 - 30 September 2014

No.	ACTIVITIES	DESCRIPTION	RESULTS
1	Elaboration of the Monthly Report no. 41	<ul style="list-style-type: none"> ○ Covering issues according to AFDJ Galati guidelines 	Monthly Report 41
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 41 st month of project activity		
7	Coordinate the completion of Interim Report 9		
8	Elaboration of the project activities program for the next period (1 - 31 October 2014)		

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 - 30 September 2014

No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	ORGANISING SAMPLING CAMPAIGN FOR 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 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 (13.09.2014; 30.09.2014)	<ul style="list-style-type: none"> ▪ Water and sediments sampling from CP 01, 02, 10 ▪ The conformation to the geographical coordinates for each sampling point has been checked; ▪ The samples have been labeled; ▪ 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 for laboratory indicators determination 	<ul style="list-style-type: none"> ▪ 50 water samples ▪ 20 sediment samples
3.	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 water and sediment quality
4.	OTHER ACTIVITIES	<ul style="list-style-type: none"> ▪ Participation in monthly Report 41 ▪ Participation in the development of Interim Report 9 	

Expert,
PhD eng. Gina GHIȚĂ

Project leader,
PhD eng. DEÁK György



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

MONTHLY REPORT 1 - 30 September 2014

No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	Maintenance and data downloading: 16-17.09 CP 01, 18.09 CP 02, 19.09 CP 10	Have been downloaded the data from monitoring systems on Borcea, Bala, Caleia, Cravia and Old Danube branches. Maintenance activities for the monitoring systems.	Obtaining the data from the monitoring systems
2.	Diligence in order to obtain the permits for scientific fishing for sturgeons	Have continued efforts started in August to issue special scientific fishing permits for sturgeons species.	Faxes to ANPA
3.	Data processing for sturgeons' migration period	Have been processed the data obtained during May-August campaign in order to complete the Interim Report 9	Maps, charts, tables
4.	Other activities	Contribution to Monthly Report no.41 Prepare the equipments and materials necessary for fishing and tagging campaign.	

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 September 2014

No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	Data processing	Have been processed the data obtained from scientific fishing in CP 01, 02, 10, 03, 04, 07	Maps with fishing areas, graphs and interpretation regarding the number and abundance for identified species
2.	Software EFI+ (European Fish Index) application	Ecological state assessment in the monitored critical points, using ichthyofauna as a bio-indicator.	Compliance with ecological quality classes for the monitored points
3.	Other activities	Contribution to monthly report no. 41 Contribution to Interim Report 9	

Expert,
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 - 30 September 2014

No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	Turbidity, temperature and relative level data processing, recorded in the automatic stations in September 2014	Statistical processing of level, temperature and turbidity data recorded in September 2014 in automatic stations from CP01, 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 41	Data processing and interpretation	Hydrology subchapter elaboration for the hydromorphological 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 September 2014

No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	MONITORING CAMPAIGN (02-04, 9-11, 15-18, 24-26, 29.09.2014)	Single-beam bathymetric measurements in the main critical points and on the monitoring sections	Raw and processed bathymetric data, transversal bathymetric profiles
2.	MONITORING CAMPAIGN (02-04, 9-11, 15-18, 24-26, 29.09.2014)	Multi-beam measurements in critical points CP01 and CP02	Raw and processed bathymetric data
3.	MONITORING CAMPAIGN (02-04, 9-11, 15-18, 24-26, 29.09.2014)	Weekly water velocity measurements on 5 transversal sections near the automatic monitoring stations for turbidity and level at critical points CP01 and 02	Unprocessed velocity data
4.	OTHER ACTIVITIES	Continuation of flow and velocity measurements processing from previous months	Processed velocity and flow data Velocities sections
		Contributions to Monthly Report 41	Chapter Hydromorphology and Annex 6.5
		Contributions to Interim Report 9	Chapter 2.1.4 - Hydromorphological monitoring
		Drafting of proposed schedule for 1 - 31 October 2014 period	Schedule

Expert,
PhD eng. Gh. Viorel UNGUREANU

Project Leader,
PhD eng. DEÁK György



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6.3.8 Expert position: PHYTOPLANKTON AND MACROPHYTES EXPERT- Florica Marinescu

MONTHLY REPORT 1 - 30 September 2014

No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	PREPARING THE SAMPLING CAMPAIGN FOR PHYTOPLANKTON	<ul style="list-style-type: none"> ▪Preparing the recipients for phytoplankton samples ▪Preparation of reagents to fix samples in field conditions; ▪Preparing the necessary documents for „in field” samples registration 	Ensure the optimal conditions for conducting the sampling campaign
2.	SAMPLING CAMPAIGN FOR PHYTOPLANKTON (9.09, 11.09, 19.09.2014)	<ul style="list-style-type: none"> ▪Specific sampling activities for phytoplankton in CP 03A, CP 03B, CP 04A, CP 04B, CP 07 ▪Sample fixation according to relevant standards for laboratory microscopic analysis ▪Sampling bulletins completion for phytoplankton and macrophytes samples 	<ul style="list-style-type: none"> - 15 samples (left bank, centre, right bank) - sampling bulletins
3.	OTHER ACTIVITIES	<ul style="list-style-type: none"> ▪Participation in Monthly Report no. 41 drafting - chapter „Aquatic flora and fauna monitoring” (except for ichtyofauna) ▪Participation to Interim Report 9 	Monthly Report no. 41 - Chapter F and RI-9

Expert,
Dr.biologist Florica MARINESCU

Project Leader,
PhD eng. DEÁK György



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6.3.13 Expert position: AVIFAUNA MONITORING EXPERT - JOZSEF SZABO

MONTHLY REPORT 1 - 30 September 2014

NO.	ACTIVITIES	DESCRIPTION	RESULTS
1.	<p>AVIFAUNA MONITORING CAMPAIGN AUTUMN SEASON</p> <p>(03-6; 08-12; 15.09.2014)</p>	<p>Field trip in CP01</p> <ul style="list-style-type: none"> ▪ observations in observation points (point count) ▪ aquatic avifauna observations from the shore ▪ aquatic avifauna observations from the boat <p>Field trip in CP02</p> <ul style="list-style-type: none"> ○ observations in observation points (point count) ○ aquatic avifauna observations from the shore ○ aquatic avifauna observations from the boat <p>Field trip in CP10</p> <ul style="list-style-type: none"> ○ observations in observation points (point count) ○ aquatic avifauna observations from the shore ○ aquatic avifauna observations from the boat <p>Field trip in CP03</p> <ul style="list-style-type: none"> ○ observations in observation points (point count) ○ aquatic avifauna observations from the shore ○ aquatic avifauna observations from the boat <p>Field trip in CP04</p> <ul style="list-style-type: none"> ○ observations in observation points (point count) ○ aquatic avifauna observations from the shore ○ aquatic avifauna observations from the boat <p>Field trip in CP07</p> <ul style="list-style-type: none"> ○ observations in observation points (point count) ○ aquatic avifauna observations from the shore <p>Field trip in Natura2000 ROSCI0006 „Balta Mică a Brăilei” and ROSPA0005 „Balta Mică a Brăilei” sites (area CP10):</p> <ul style="list-style-type: none"> - observations in observation points (point count) - aquatic avifauna observations from the shore - aquatic avifauna observations from the boat <p>Field trip in Natura2000 ROSCI0022 „Canaralele Dunării” and ROSPA0039 „Dunăre Ostroave” sites (area CP01, 02, 03, 04, 07):</p> <ul style="list-style-type: none"> - observations in observation points (point count) - aquatic avifauna observations from the shore - aquatic avifauna observations from the boat <p>Field trip in Natura2000 and ROSCI0071 „Dumbrăveni - Valea Urluia - Lacul Vederosa”, ROSCI0172 „Pădurea și Valea Canaraua Fetii - Iortmac”, ROSPA0007 „Balta Vederosa”, ROSPA0054 „Lacul Dunăreni”, ROSPA0056 „Lacul Oltina” (in area PC02-PC04) and ROSCI0307 „Lacul Sărat - Brăila” (in area CP10):</p> <ul style="list-style-type: none"> - observations in observation points (point count) - aquatic avifauna observations from the shore - aquatic avifauna observations from the boat 	<ul style="list-style-type: none"> ○ observation sheets; ○ data; ○ photos; ○ species lists
2.	OTHER ACTIVITIES	<ul style="list-style-type: none"> ▪ Participation in elaboration of the Monthly Report no. 41 (Chapters G and H) ▪ Participation in elaboration of the Interim report 9 ▪ Elaboration of the program proposal for next activities. 	Monthly Report no.41

Expert,
JOZSEF SZABO

Project Leader,
PhD eng. **DEÁK György**



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

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NO.	ACTIVITIES	DESCRIPTION	RESULTS
1.	MONITORING CAMPAIGN OF THE ANTHROPIC IMPACT (05, 17, 18.09.2014)	<ul style="list-style-type: none"> ○ field campaign in CP01, CP02 areas to establish fixed and mobile sources of noise and emissions; ○ field campaign in order to establish the anthropisation level in the area of the building site; ○ checking the building 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. 41; ○ Participation in elaboration of the Interim report 9 ○ Program proposal for next period activities; 	Monthly Report no. 41

Expert,
AMBRUS Laszlo

Project Leader,
PhD eng. DEÁK György



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6.3.15. Expert position: Impact on biodiversity assessment/monitoring - ZAHARIA Tania (ecologist 2)

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NO.	ACTIVITIES	DESCRIPTION	RESULTS
1.	ANTHROPIC IMPACT ON BIODIVERSITY MONITORING (03-05.09; 10-12.09.2014)	Observations regarding anthropic impact on avifauna from Natura 2000 sites: <ul style="list-style-type: none"> Field trip in critical points area and Iortmac, Vederoasa, Dunăreni, Oltina, Baciului and Lacul Sărat lakes. <p>In field observations in order to establish construction sites influence on avifauna.</p>	<ul style="list-style-type: none"> - data - photos - lists of species
2.	OTHER ACTIVITIES	<ul style="list-style-type: none"> - Participation in elaboration of the Monthly Report no. 41 - Participation in elaboration of the Interim report 9 	<p>Monthly Report 41</p> <p>Interim Report 9</p>

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	Data processing for the Interim Report 9	Data regarding aquatic and terrestrial ecosystems	Centralization tables
2	Data processing regarding aquatic and terrestrial ecosystems	Establishing the primary statistical values	Primary statistical parameters
3	Abiotic and biotic data corroboration	Establishing the intercorrelations between abiotic and biotic determinants	Correlation functions Quality indicators variation

Expert assessor,
PhD Marian TUDOR

Project Leader,
PhD eng. DEÁK György