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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. 25: 1 -31 May 2013

ANNEX 6.3. ACTIVITY REPORTS EXPERTS



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6.3.1. Expert position: PROJECT LEADER EXPERT- Deák György

RAPORT LUNAR 1 - 31 mai 2013

No	ACTIVITIES	DESCRIPTION	RESULTS
1	Elaboration of the Monthly Report no. 25	<ul style="list-style-type: none"> ○ Covering breviary problem according to AFDJ Galati guidelines 	Monthly Report no. 25
2	Communication of the project's phase and results towards the beneficiary - AFDJ Galați	<ul style="list-style-type: none"> ○ Addresses' elaboration towards 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 sturgeons' monitoring stations ○ Checking the sampling campaigns ○ Checking the building site activities 	
4	Coordination of the project's implementation team and permanent monitoring of the proposed activities for the reporting period	<ul style="list-style-type: none"> ○ Field visits to monitor the activities ○ Working meetings 	
5	Approval of experts' monthly activity reports		
6	Documents' checking carried out for the 25 th month of projects' implementation		
7	Elaboration of the activities' program for the period of (1 - 30 June 2013)		

Project leader,
PhD eng. Deák György



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

MONTHLY REPORT 01-31 May 2013

NO.	ACTIVITIES	DESCRIPTION	RESULTS
1.	ORGANISING SAMPLING CAMPAIGN OF WATER AND SEDIMENTS SAMPLES	<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 OF WATER AND SEDIMENTS SAMPLES (25.05.2013; 28.05.2013)	<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; ▪ Each water and sediment sample has a completed registration bulletin for the sampling activity; ▪ Field analysis (pH, temperature, dissolved oxygen, turbidity) regarding waters' quality; ▪ Water samples have been fixed according to actual standards to determine laboratory indicators 	<ul style="list-style-type: none"> ▪ 50 water samples ▪ 20 sediment samples
3.	PHYSICAL-CHEMICAL LABORATORY ANALYSIS	<ul style="list-style-type: none"> ▪ Assurance of the specific standard procedures of the analytical data quality. 	<ul style="list-style-type: none"> ▪ Preliminary data on water and sediment quality
4.	OTHER ACTIVITIES	<ul style="list-style-type: none"> ▪ Participation at the Monthly Report ▪ Participation at the Interim Report, no.5 	

Expert,
PhD eng. Gina GHIȚĂ

Project leader,
PhD eng. DEÁK György



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6.3.3. Expert position: AIR AND NOISE MONITORING EXPERT - BORȘ ADRIANA (chemist 2)

MONTHLY REPORT 01-31 May 2013

NO	ACTIVITIES	DESCRIPTION	RESULTS
1.	Measurements campaign for the noise level, 25 th campaign (10,11,12,13.05.2013)	For the main CP: 01, 02, 10	Punctual values of the noise level
2.	Measurements/sampling campaign for the noise level, campaign no. 22 (10,11,12,13.05.2013)	For the main CP: 01, 02, 10	Preliminary values of the air quality's indicators
3.	Data processing	Processing activity of the data measured on the field	Analysis bulletins
4.	Other activities	<ul style="list-style-type: none"> ○ Participation at the meetings of the project's team in order to plan the future activities ○ Contribution to the accomplishment of the 25th monthly report (Air and Noise monitoring) ○ Contribution to the 5th Interim Report 	Monthly Report no. 25

Expert,
PhD chem. Adriana Borș

Project Leader,
PhD eng. DEÁK György



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6.3.4 Expert position: ICHTYOLOG 1 EXPERT- Sturgeons and barbell- Adrian IONAȘCU

MONTHLY REPORT 01-31 May 2013

NO.	ACTIVITIES	DESCRIPTION	RESULTS
1.	Checking the VR2W submersible automatic stations' batteries 03.05, 06 - 11.05.2013	Submersible automatic stations' batteries have been checked and if necessary, changes in CP01	Checked batteries
2.	Sturgeon and barbell fishing 03.05, 06 - 11.05, 17.05.2013	Fishing activity with gill nets in the main critical points	Fishing sites in the area of interest
3.	Sturgeons labelling 03.05, 06 - 11.05, 17.05.2013	7 barbell individuals have been caught with anti poching ultrasonic and spaghetti marks	Labelled fish
4.	Sturgeons labelling 06 - 11.05, 17.05.2013	23 sturgeons have been caught with anti poching ultrasonic and spaghetti marks	Labelled fish
5.	Sturgeons and barbell migration monitoring	Sturgeons and barbell migration monitoring using VR2W submersible automatic stations, installed	Recordings
6.	Accomplishment of bathymetric profiles	Accomplishment of bathymetric profiles in the potential breeding areas	Profiles
7.	Weekly velocity measurements in potential breeding areas, Borcea branch	Data obtaining regarding the velocities from the potential breeding areas	Measurements' results
8.	Barbell habitats mapping, 22 - 24.05.2013	Mapping barbell's potential breeding and feeding areas	Areas localization
9.	Other activities	<ul style="list-style-type: none"> Contribution to the accomplishment of the 25th Monthly Report equipment preparation for spring migrating season 	

Expert,
PhD biol. Adrian Ionașcu

Project Leader,
PhD eng. DEÁK György



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MONTHLY REPORT NO. 25: 1 -31 May 2013

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

MONTHLY REPORT 01-31 May 2013

NO.	ACTIVITIES	DESCRIPTION	RESULTS
1.	Preliminary analysis of the previous obtained data	Analysis of biometric data obtained through the previous capturing of other fish species, through depth electrical fishing (electric trawl), fishing with fixed and drifted nets in the CP 01, 02, 03A, 03B, 04 A, 04B, 07, 10	Characterization of fish populations Species' composition, structure on size classes, distribution, abundance, habitat preferences
2.	Mackerel migrating campaign and accomplishment of bathymetric measurements 03.05, 06 - 11.05.2013	Biometric measurements at the mackerel caught by the commercial fishermen, GIS identification in the critical points	- Biometric data at mackerel - 2 mackerel species' migrating monitoring
3.	Larvae mackerel capturing campaign 03.05, 06 - 11.05.2013	Fishing activities in CP 01, 02, 03A, 03B, 04A, 04B, 7 și 10 (Alosa immaculata and Alosa tanaica)	
4.	Other activities	- Working plan for future months (fishing at other fish species, excepting sturgeon, barbell and mackerel) - Contribution to the accomplishment of the 25 th Monthly Report	

Expert,
Istvan FALKA

Project Leader,
PHD eng. György DEÁK



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6.3.6. Expert position: HYDROLOGY EXPERT - Balint Gabor

MONTHLY REPORT 01-31 May 2013

NO.	ACTIVITIES	DESCRIPTION	RESULTS
1.	Turbidity, temperature and relative level data processing activity, recorded in the automatic stations, May 2013	Statistical processing of level, temperature and turbidity data recorded in May in the 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 25	Data processing and interpretation	Hydrology subchapter elaboration at the hydromorphological monitoring activity and Annex 6.5

Expert,
PhD eng. Balint Gabor

Project Leader,
PhD eng. Deák György



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

MONTHLY REPORT 01-31 May 2013

NO.	ACTIVITIES	DESCRIPTION	RESULTS
1.	MONITORING CAMPAIGN (02-03.05; 08-10.05; 13-17.05; 20-23.05; 27-30.05.2013)	Single-beam bathymetric measurements in the critical points and the monitoring sections. Single-beam bathymetric measurements to complete the necessary areas for the 3D modeling.	Raw and processed bathymetric data, transversal bathymetric sections
		Water flows and water velocity measurements in the main critical points and the monitoring sections	Velocity and raw flows data
		Weekly water velocity measurements on transversal sections in the automatic monitoring stations of turbidity and level	Raw velocity data
2.	OTHER ACTIVITIES	Processing of the flows and velocity measurements from the previous months	Processed velocity and flow data Velocities sections
		Contributions to the Monthly Report no 25	Hydromorphology chapter and Annex 6.5
		Development of a program proposal for the period of 1 - 30 June 2013	Program

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 01-31 May 2013

NO.	ACTIVITIES	DESCRIPTION	RESULTS
1.	PREPARATION OF MACROPHYTES SAMPLING CAMPAIGN	<ul style="list-style-type: none"> Sampling materials for macrophytes samples in field conditions Document preparation, necessary to record the field samples 	Assurance of the optimal conditions for sampling campaign
2.	MACROPHYTES SAMPLING CAMPAIGN (25.05.2013)	<ul style="list-style-type: none"> Macrophytes samples from the CP 03, 01, 02, 10, 04, 07 The samples have been fixed according to actual standards for the microscopic analysis, in laboratory Each phytoplankton and macrophytes sample has a completed registration bulletin for the sampling activity 	<ul style="list-style-type: none"> - 40 macrophytes samples - sampling bulletins
3.	DATA ANALYSIS AND PROCESSING	<ul style="list-style-type: none"> Macrophytes species' determination that could not be determined on field and accomplishment of a list with the identified ones 	Results on quality data
4.	OTHER ACTIVITIES	<ul style="list-style-type: none"> Elaboration of the monthly Report no.25-aquatic flora and fauna monitoring chapter (excepting ichthyofauna) Contribution at the accomplishment of the Interim Report no. 5 	Raport lunar nr. 25 - Capitolul F

Expert,
Biologist Florica Marinescu

Project Leader,
PhD eng. DEÁK György



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6.3.11 Expert position: AQUATIC MACROINVERTEBRATES EXPERT - Luiza Florea

MONTHLY REPORT 01-31 May 2013

NO.	ACTIVITIES	DESCRIPTION	RESULTS
1.	PREPARING AQUATIC MACROINVERTEBRATES SAMPLING CAMPAIGN	<ul style="list-style-type: none"> preparing sampling containers preparing samples fixing reagents in field conditions preparing necessary documents for field samples' evidence 	Assurance of the optimal conditions for sampling campaign
2.	AQUATIC MACROINVERTEBRATES SAMPLING CAMPAIGN (25.05.2013)	<ul style="list-style-type: none"> specific activities of aquatic macroinvertebrates samples from critical points 01, 02, 10, 03, 04, 07 verifying the compliance of GPS coordinates for each sampling point fixing, labeling samples completion of sampling bulletins for aquatic macroinvertebrates samples 	<ul style="list-style-type: none"> 40 units of samples sampling bulletins
3.	LABORATORY ANALYSIS	<ul style="list-style-type: none"> additional selection of macroinvertebrates samples to select the bentonic individuals and to accomplish future investigations 	<ul style="list-style-type: none"> 40 selected unities Results on quality data

Expert,
Luiza FLOREA

Project Leader,
PhD eng. DEÁK György



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6.3.13 Expert position: AVIFAUNA MONITORING EXPERT- JOZSEF SZABO

MONTHLY REPORT 01-31 May 2013

NO.	ACTIVITIES	DESCRIPTION	RESULTS
1.	<p style="text-align: center;">AVIFAUNA MONITORING CAMPAIGN, SPRING SEASON</p> <p>Evaluation expedition of the brooder fauna (01-14.05.2013)</p>	<ul style="list-style-type: none"> ○ Field campaign in the area of CP10 - Caleia branch, Lupu islet (12, 13 May): <ul style="list-style-type: none"> ▪ Terrestrial observations ▪ Shore aquatic avifauna observations ▪ Aquatic avifauna observations made from boat ○ Field campaign in CP07 - Seimeni area (10, 11 May): <ul style="list-style-type: none"> ▪ Aquatic avifauna observations ○ Field campaign in the area of the CP 04B - Ostrovul Fermecatu (08, 09 May): <ul style="list-style-type: none"> ▪ Shore aquatic avifauna observations ▪ Aquatic avifauna observations made from boat ○ Field campaign in the area of the CP 04A - Ceacâru island (07, 08 May): <ul style="list-style-type: none"> ▪ Aquatic avifauna observations made from boat ○ Field campaign in the area of the CP 03B - (04 May): <ul style="list-style-type: none"> ▪ Aquatic avifauna observations made from boat ○ Deplasare pe teren în zona CP03A (05, 06 mai): <ul style="list-style-type: none"> ▪ Aquatic avifauna observations made from boat ○ Field campaign in the area of the CP01 and CP02 - Epurașu islet (01- 03 mai): <ul style="list-style-type: none"> ▪ Aquatic avifauna observations made from boat ▪ Shore aquatic avifauna observations ○ Field campaign in the area of Natura2000 ROSCI0022 „Canaralele Dunării” and ROSPA0039 „Dunăre Ostroave” (CP02,03,04,07 area): <ul style="list-style-type: none"> ▪ Aquatic avifauna observations made from boat ▪ Shore aquatic avifauna observations <p>Bald eagle checki (<i>Haliaeetus albicilla</i>) in CP02</p>	<ul style="list-style-type: none"> - Observation sheets - Data - Images - Species lists
2.	OTHER ACTIVITIES	<ul style="list-style-type: none"> ▪ Participation at the working team meetings, in order to establish the algorithms of the data's processing ▪ Participation at the accomplishment of the Monthly Report no. 25 (chapters G and H) ▪ Program proposal for the next activities ▪ Participation at the accomplishment of Interim Report 5 	Monthly Report no 25

Expert,
JOZSEF SZABO

Project Leader,
PhD eng DEÁK György



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

MONTHLY REPORT 01-31 May 2013

NO.	ACTIVITIES	DESCRIPTION	RESULTS
1.	MONITORING CAMPAIGN OF THE ANTHROPIC IMPACT (06-10.05.2013)	<ul style="list-style-type: none"> ○ field campaign to establish fix and mobile noise and emissions' sources, in CP01, CP02, CP10 ○ Checking the building site, including the materials used by constructor ○ Field campaign in order to establish the anthropic level in the area of the building site ○ Settlement's checking 	<ul style="list-style-type: none"> - data - images
2.	OTHER ACTIVITIES	<ul style="list-style-type: none"> ○ Participation at the working team meeting in order to establish the processing algorithm of data ; ○ Contribution to the Monthly Report no. 25 ○ Program proposal for the next activities 	Monthly Report no 25

Expert,
AMBRUS Laszlo

Project Leader,
PhD eng. DEÁK György



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

MONTHLY REPORT 01-31 May 2013

NO.	ACTIVITIES	DESCRIPTION	RESULTS
1.	ANTHROPIC IMPACT MONITORING on BIODIVERSITY (6-14.05.2013)	<p>Observations on spring migration and avifauna nestle for Natura 2000 biodiversity study</p> <ul style="list-style-type: none"> ○ Field campaign in Natura 2000 „Canaralele Dunării” (ROSPA0039) from the CP 01, CP02, CP03, CP04, CP07 ○ Field campaign in Natura 2000 „Dunăre Ostroave”(ROSPA0039) from the CP01, CP02, CP03, CP04 <p>Field observations in order to establish building sites' influence on avifauna.</p>	<ul style="list-style-type: none"> - data - images - list of species
2.	OTHER ACTIVITIES	<ul style="list-style-type: none"> ○ Contribution to the accomplishment of the monthly report no. 24 ○ Contribution to the accomplishment of Interim Report 5 	Monthly report no 25

Expert,
PhD eng. Zaharia TANIA

Project Leader,
PhD eng. DEÁK György



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6.3.16. Expert position: EXPERT ASSESSOR OF THE MONITORING RESULTS - Csanyi Bela

MONTHLY REPORT 01-31 May 2013

NO.	ACTIVITIES	DESCRIPTION	RESULTS
1	Preparing data for Interim Report no. 5	Primary data regarding aquatic and terrestrial ecosystems	Centralising tables
2	Aquatic and terrestrial ecosystems data processing	Primary statistical values	Primary statistical parameters
3	Abiotic and biotic data corroboration	Intercorrelations between abiotic and biotic determinants	Correlation functions

Expert assessor,
PhD CSANYI Bela

Project Leader,
PhD eng. DEÁK György



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6.3.17 EXPERT 3D MODELLING - PhD Professor HELMUT HABERSACK

MONTHLY REPORT 1 - 31 May 2013

NR. CRT	ACTIVITY	DESCRIPTION	RESULTS
1.	Improve hydrodynamic model RSim3D for CP01 and CP02 areas	Extended RSim3D model was prepared for Dunărea Veche, Bala and Borcea oxbows in CP01 and CP02 areas. Also, calibration and validation operations of the model were carried out.	Model and input data made available.
2.	Follow-up of the model Delft3D preparing for the Danube section Călărași - Brăila. Improve hydrodynamic models Delft3D for CP01, CP02 and CP10	INCDPM datasets were analysed to carry on the achievement of the model for the section Călărași - Brăila of the Danube. Different model alternatives were done for the study of the hydraulic parameters in CP01, CP02 and CP10.	Prepare section scale model and input data files. Prepare models and data for CP01, CP02 and CP10.
3.	Add up data for modelling	New data were obtained for modelling, from measurements done on the Danube under present conditions.	Prepare data for water flow modelling.
4.	Other activities	Participation in the elaboration of Report 25, chapter 3D Numeric Modelling	Report 25

Expert,
PhD Helmut HABERSACK

Project Leader,
PhD eng. DEÁK György