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PHASE II

MONTHLY REPORT NO. 23: 1 - 31 March 2013

ANNEX 6.3. ACTIVITY REPORTS EXPERTS



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6.3.1. Expert position: PROJECT LEADER EXPERT- Deák György

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No	ACTIVITIES	DESCRIPTION	RESULTS
1	Elaboration of the Monthly Report no. 23	<ul style="list-style-type: none"> ○ Covering breviary problem according to AFDJ Galati guidelines 	Monthly Report no. 23
2	Participation at project's progress meeting	<ul style="list-style-type: none"> ○ Participation at progress meeting on 06.03.2013, at Bala building site ○ Participation at the progress meeting at MTI headquarters, on 14.03.2013 	
3	Communication of the project's phase and results towards the beneficiary - AFDJ Galați	<ul style="list-style-type: none"> ○ Addresses' elaboration towards AFDJ Galati 	
4	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 	
5	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 (20.03.2013, 28.03.2013) ○ Working meetings ○ Participation within 11-15.03.2013 at the presentation of the phases necessary to build the network of finite elements for the detailed modeling on CP01-CP02 area (collaboration to Mohamed Yossef -Deltares Olanda) 	
6	Approval of experts' monthly activity reports		
7	Documents' checking carried out for the 23 rd month of projects' implementation		
8	Elaboration of the activities' program for the period of (1 - 30 April 2013)		
9	Coordination of the completion of Intermediary Report no.4	<ul style="list-style-type: none"> ○ Coordination of the experts team for the reports' completion as required in the technical specifications 	

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 March 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 SAMPLE (29.03.2013 - 31.03.2013)	<ul style="list-style-type: none"> ▪ Water and sediments sampling from CP 01, 02, 10, 02, 03A, 03B, 04 A, 04B ▪ The conformation to the geographical coordinates for each sampling point has been checked; ▪ The samples have been labelled; ▪ 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"> ▪ 100 water samples ▪ 40 sediment samples
3	SAMPLING CAMPAIGN OF SOIL (8.03.2013)	<ul style="list-style-type: none"> ▪ Soil samples from CP 03 (A and B), 04 (A and B) and 07; ▪ Checking the geographical coordinates for each sampling point ▪ The samples have been labelled ▪ Each soil sample has its recording bulletin completed for the sampling activity 	<ul style="list-style-type: none"> ▪ 20 soil samples
4.	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
5.	OTHER ACTIVITIES	<ul style="list-style-type: none"> ▪ Participation at the monthly report elaboration 	Monthly Report no. 23

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 1 - 31 March 2013

NO	ACTIVITIES	DESCRIPTION	RESULTS
1.	Measurements campaign for the noise level, 23 rd campaign (02;04;06;29.03.2013)	For the main CP: 01, 02, 10 and secondary (03, 04, 07)	Punctual values of the noise level
2.	Measurements campaign for the air samples, 20 st campaign (02;04;06;29.03.2013)	For the main CP: 01, 02, 10 and secondary (03, 04, 07)	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 23rd monthly report (Air and Noise monitoring) 	Monthly Report no. 23

Expert,
PhD chem. Adriana Borș

Project Leader,
PhD eng. DEÁK György



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6.3.4 Expert position: ICHTYOLOGY EXPERT 1 - Sturgeons and barbell - Radu SUCIU

MONTHLY REPORT 01 - 31 March 2013

NO.	ACTIVITIES	DESCRIPTION	RESULTS
1.	Remonting of VR2W submersible automatic station after changing the batteries 6.03.2013	A VR2W submersible automatic station was remounted in CP01 (Bala branch, km 9.5) after changing the batteries	Remounted station
2.	Data download from VR2W submersible automatic stations 28.03.2013 - 31.03.2013	<ul style="list-style-type: none"> Data download from the stations located in the areas of CP 01, 02 and 10 	Data download
3.	Sturgeons' migration monitoring	<ul style="list-style-type: none"> Sturgeons' migration monitoring using the VR2W submersible automatic stations Data processing, obtained from the VR2W submersible automatic stations 	
4.	Other activities	<ul style="list-style-type: none"> Contribution to the accomplishment of the monthly report no. 23 Equipment preparation for the spring migration Obtaining the scientific fishing authorizations for sturgeons 	Monthly report no 23

Expert,
PhD eng. Radu SUCIU

Project Leader,
PhD eng. DÉAK György



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6.3.5 Expert position: ICHTYOLOG 2 EXPERT- Other fish species- Adrian IONAȘCU

MONTHLY REPORT 1 - 31 March 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	<ul style="list-style-type: none"> • Characterization of fish populations • Species' composition, structure on size classes, distribution, abundance, habitat preferences
2.	Monthly Report no. 23	Monthly Report no. 23	Monthly Report no. 23

Expert,
PhD biol. Adrian IONAȘCU

Project Leader,
PhD eng DEÁK György



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6.3.6. Expert position: HYDROLOGY EXPERT - Balint Gabor

MONTHLY REPORT 1 - 31 March 2013

NO.	ACTIVITIES	DESCRIPTION	RESULTS
1.	Turbidity, temperature and relative level data recorded at the automatic stations, in March 2013	Statistical processing of level data, temperature and turbidity data recorded in March 2013 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 23 rd monthly report	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 - RĂZVAN MATEESCU

MONTHLY REPORT 1 - 31 March 2013

NO.	ACTIVITIES	DESCRIPTION	RESULTS
1.	MONITORING CAMPAIGN (04-07.03;12-15.03; 18-19.03; 25-27.03.2013)	Single-beam bathymetric measurements in the critical points and the monitoring sections	Primary and processed bathymetric data, transversal bathymetric sections
2.	MONITORING CAMPAIGN (04-07.03;12-15.03; 18-19.03; 25-27.03.2013)	Water flows and water velocity measurements in the main critical points and the monitoring sections	Raw velocity and flow data
3.	MONITORING CAMPAIGN (04-07.03;12-15.03; 18-19.03; 25-27.03.2013)	Water velocity measurements on longitudinal sections in the automatic monitoring stations of turbidity and level	Raw velocity data
4.	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 23	Hydromorphology chapter and Annex 6.5
		Development of a program proposal for the period of 1 - 30 April 2013	Program

Expert,
PhD eng. Răzvan MATEESCU

Project Leader,
PhD eng. DEÁK György



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6.3.8 Expert position: PHYTOPLANKTON AND MACROPHYTES EXPERT - Florica Marinescu

MONTHLY REPORT 1 - 31 March 2013

NO.	ACTIVITIES	DESCRIPTION	RESULTS
1.	PREPARATION OF THE SAMPLING CAMPAIGN OF PHYTOPLANKTON	<ul style="list-style-type: none"> ▪ Preparation of recipients for phytoplankton samples ▪ Preparation of reagents to fix samples, in field conditions; ▪ Preparation of necessary documents to record the field samples 	Conditions' assurance to carry on the sampling campaign
2.	SAMPLING CAMPAIGN OF PHYTOPLANKTON AND MACROPHYTES (29/31.03.2013)	<ul style="list-style-type: none"> ▪ Phytoplankton and macrophytes samples from the CP 03A, CP 03B, CP 04A, CP 04B, CP 07 ▪ The samples have been fixed according to actual standards for the microscopic analysis, in laboratory ▪ Field determination of macrophytes species ▪ Macrophytes' sampling and conservation activities that had not been determined on the field ▪ Each phytoplankton and macrophytes sample has a completed registration bulletin for the sampling activity 	<ul style="list-style-type: none"> - 15 phytoplankton samples for qualitative analysis - 20 macrophytes samples - sampling bulletins
3.	OTHER ACTIVITIES	<ul style="list-style-type: none"> ▪ Elaboration of the monthly Report no.23-aquatic flora and fauna monitoring chapter (excepting ichtyofauna) 	Monthly Report no. 23- Chapter F

Expert,
Biologist Florica Marinescu

Project Leader,
PhD eng. DEÁK György



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MONTHLY REPORT NO. 23: 1 - 31 March 2013

6.3.10. Expert Position: TERRESTRIAL INVERTEBRATES - Cecilia Serban

MONTHLY REPORT 1 - 31 March 2013

NO.	ACTIVITIES	DESCRIPTION	RESULTS
1.	PREPARATION OF THE CAMPAIGN REGARDING LUMBRICIDES' PRESENCE/ABSENCE	<ul style="list-style-type: none"> Preparation of materials for the observation campaign Preparation of necessary documents 	Assurance of campaign accomplishment
2.	CAMPAIGN REGARDING LUMBRICIDES' PRESENCE/ABSENCE (8.03.2013)	<ul style="list-style-type: none"> lumbricides' absence/presence monitoring for soil samples taken from the secondary critical points: 03 (A and B), 04 (A and B) and CP 07; accomplishment of the geographical coordinates for each sampling point 	data on lumbricides
3.	OTHER ACTIVITIES	<ul style="list-style-type: none"> evaluation of lumbricides' distribution in monitoring areas 	

Expert,
Cecilia Serban

Project Leader,
PhD. eng. DEÁK György



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6.3.11 Expert position: AQUATIC MACROINVERTEBRATES EXPERT - Luiza Florea

MONTHLY REPORT 1 - 31 March 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 (29,31.03.2013)	<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"> 20 units of samples sampling bulletins

Expert,
Luiza FLOREA

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 1 - 31 March 2013

NO.	ACTIVITIES	DESCRIPTION	RESULTS
1.	MONITORING CAMPAIGN OF THE ANTHROPIC IMPACT ON NATURA 2000 SITES (11.03.2013, 12.03.2013, 15.03.2013)	<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 	<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. 23 ○ Program proposal for the next activities 	Monthly Report no 23

Expert,
AMBRUS Laszlo

Project Leader,
PhD eng. DEÁK György



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

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NO.	ACTIVITIES	DESCRIPTION	RESULTS
1	Data selection and primary information on aquatic and terrestrial ecosystems	Quality indicators analysis	Synthetic 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
4	Preparing data for Intermediate Report no. 4	Primary data regarding aquatic and terrestrial ecosystems	RP4

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 March 2013

NO	ACTIVITIES	DESCRIPTION	RESULTS
1.	Analysis of datasets for modelling purposes	Details on water flow parameters were analysed for critical points PC01 and PC02, in order to improve model representation for bathymetric and hydraulic variability	Prepare entry data for the study
2.	Fulfill data for modelling	New data were obtained from measurements made under high water level on the Danube	Prepare data for water flow modelling
3.	Tests for modelling the transport of sediments at water bed level in PC10	Tests were done with Delft3D to obtain estimations of sediments transport on the water bed, studying the function of the model components and results under the conditions in PC10	Prepare data files

Expert,
PhD Helmut HABERSACK

Project Leader,
PhD eng. DEÁK György