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PHASE II

MONTHLY REPORT NO. 22: 1 – 28 February 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. 22	<ul style="list-style-type: none"> ○ Covering breviary problem according to AFDJ Galati guidelines 	Monthly Report no. 22
2	Participation at project's progress meeting (25-27 February 2013)	<ul style="list-style-type: none"> ○ Participation at the accomplishment of the following materials presented within the progress meeting: <ul style="list-style-type: none"> ▪ „Sturgeons and other fish species monitoring results” ▪ “Results of sediments and water monitoring” ▪ “Status of monitoring - Water hydrology - morphology” ▪ “Preventive solutions developed by INCDPM to eliminate the potential risk of environmental impact due to GUIDING WALL CP02 EPURASU” ○ Participation at the progress meeting at MTI headquarters (25 February) ○ Participation at the progress meeting at AFDJ Galați headquarters (26-27 February 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 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 for activities' monitoring ○ Working meetings 	
6	Approval of experts' monthly activity reports		



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No	ACTIVITIES	DESCRIPTION	RESULTS
7	Documents' checking carried out for the 22st month of projects' implementation		
8	Elaboration of the activities' program for the period of (1 - 31 March 2013)		
9	Coordination of the completion of Intermediary Report no.4	○ 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 - 28 February 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 (8.02.2013; 22.02.2013)	<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 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"> ▪ 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.	ALTE ACTIVITĂȚI	<ul style="list-style-type: none"> ▪ Participare la elaborarea Raportului lunar 	

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 - 28 February 2013

NO	ACTIVITIES	DESCRIPTION	RESULTS
1.	Measurements campaign for the noise level, 22 th campaign (14-20.02.2013)	For the main CP: 01, 02, 10	Punctual values of the noise level
2.	Measurements campaign for the air samples, 19 th campaign (14-20.02.2013)	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 22st monthly report (Air and Noise monitoring) 	Monthly Report no. 22

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

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NO.	ACTIVITIES	DESCRIPTION	RESULTS
1.	Data download from VR2W submersible automatic stations (1.02.2013, 18-20.02.2013)	<ul style="list-style-type: none"> Data download from the stations located in the areas of CP 01, 02 and 10 	Data download
2.	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 	Data processing from transects
3.	Other activities	<ul style="list-style-type: none"> Contribution to the accomplishment of the monthly report no. 21 Equipment preparation for the spring migration 	

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 - 28 February 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.	Participation at the progress meeting of the project (25-27 February 2013)	<p>Participation at presentations' accomplishment:</p> <ul style="list-style-type: none"> - Sturgeons and other fish species monitoring results - Preventive solutions developed by INCDPM to eliminate the potential risk of environmental impact due to GUIDING WALL CP02 EPURASU <p>Participation at project's progress meeting held at AFDJ Galati (26 February 2013)</p>	
3.	OTHER ACTIVITIES	<ul style="list-style-type: none"> - Participation at the accomplishment of the Monthly Report no. 22 - Participation at the completion of the Intermediate Report no.4 - Deposition at ANPA of the documentation for the 2013 scientific fishing authorization 	

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 - 28 February 2013

NO.	ACTIVITIES	DESCRIPTION	RESULTS
1.	Turbidity, temperature and relative level data recorded at the automatic stations, in February 2013	Statistical processing of level data, temperature and turbidity data recorded in February 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 22st 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 - 28 February 2013

NO.	ACTIVITIES	DESCRIPTION	RESULTS
1.	MONITORING CAMPAIGN (04÷08.02.2013; 11÷15.02.2013; 18÷19.02.2013)	Single-beam bathymetric measurements in the critical points and the monitoring sections	Primary and processed bathymetric data, transversal bathymetric sections
		Water flows and water velocity measurements in the main critical points and the monitoring sections	Raw velocity and flow data
		Water velocity measurements on longitudinal 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
		Identification of potential morphological changes in the riparian area and the major bed	
		Correction of bed's bathymetric profiles	
		Materials' preparation for the meeting in Galati, 26-27 February 2013	PowerPoint presentations
		Contributions to the Monthly Report no 22	Hydromorphology chapter and Annex 6.5
Development of a program proposal for the period of 01-31 March 2013	Program		

Expert,
PhD eng. Răzvan MATEESCU

Project Leader,
PhD eng. DEÁK György



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6.3.13 Expert position: AVIFAUNA MONITORING EXPERT- JOZSEF SZABO

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NO.	ACTIVITIES	DESCRIPTION	RESULTS
1.	Project's progress meeting- (workshop 25-27 February 2013)	<ul style="list-style-type: none"> ▪ Materials' preparation and collaboration at the accomplishment of "Results of monitoring Terrestrial Fauna - Birds" ▪ Participation at project's progress meeting held at AFDJ GALAȚI (26.02.2013) 	
2.	OTHER ACTIVITIES	<ul style="list-style-type: none"> ▪ Elaboration of program proposal for the future activities 	

Expert,
JOZSEF SZABO

Project Leader,
PhD eng DEÁK György



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

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NO.	ACTIVITIES	DESCRIPTION	RESULTS
1.	ANTHROPIC IMPACT MONITORING ACTIVITY (04-07.02.2013)	<ul style="list-style-type: none"> ○ Field campaign in the area of the CP 01, 02, 10 in order to establish the mobile and fixed source of emissions and noise; ○ Field campaign to establish the anthropic level in the building site area ○ Checking the materials used by the constructor ○ Location's checking 	<ul style="list-style-type: none"> - data - images
2	Project's progress meeting- (workshop 25-27 February 2013)	<ul style="list-style-type: none"> ○ Participation at the meeting held AFDJ Galați on 26 February 2013 	
3.	OTHER ACTIVITIES	<ul style="list-style-type: none"> ○ Contribution to the accomplishment of the monthly report no. 22 ○ Elaboration of program proposal for the future activities 	Monthly report no 22

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	Preparing data for Intermediate Report no. 4	Contribution to the interdisciplinary evaluation through results' centralisation of the abiotic and biotic monitoring parameters	Biotic-abiotic relationship, data centralisation, graphics
2	Data processing of the primary information on aquatic and terrestrial ecosystems	Establishment of primary statistical values	Primary statistical parameters
3	Abiotic and biotic data corroboration	Intercorrelations between abiotic and biotic determinants	Correlation functions
4	Other activities	<ul style="list-style-type: none"> Participation at the paper presentation of "Sturgeons and other fish species monitoring results" prepared for the project's progress meeting held at AFDJ Galați on 25-27 February 2013 	

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

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No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	Analysis of data sets and establishment of computation networks for RSim-3D model for the CP1 and 2	Computation networks of RSim-3d have been prepared up to shores' level for the sections studied from CP1 and 2, using recent bathymetric data	Computation networks for RSim-3D model for the CP1 and 2
2.	Preparation of hydrodynamic computation model- RSim-3D for CP1 and 2	Preparation of parameters and computation options, parameters' adjustment, results' analysis	Results of RSim-3D computations for 4 flows
3.	Data analysis and accomplishment of detailed computation networks, preparation of Delft3D model type of water flow for CP10	A detailed computation network on the entire length of Caleia branch and the corresponding section of Danube as well as necessary files for Delft3D model type have been prepared	Data files for Delft3D water flow model in Cp10
4	Analysis of specific conditions and preparation of Delft3D computation networks for some Danube's main sections	Establishment of some big fields on Calarasi-Braila sector and grids' preparation for some of these	Grids' preparation for 3 fields on Călărași - Brăila sector.

Expert,
PhD Helmut HABERSACK

Project Leader,
PhD eng. DEÁK György