



UNIUNEA EUROPEANĂ



GUVERNUL ROMÂNIEI
MINISTERUL TRANSPORTURILOR
ȘI INFRASTRUCTURII



Institutul Național de Cercetare-Dezvoltare
pentru Protecția Mediului



Instrumente Structurale
2007-2013



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

PHASE II

MONTHLY REPORT NO: 31: 1 – 30 November 2013

ANNEX 6.3.

ACTIVITY REPORTS EXPERTS



UNIUNEA EUROPEANĂ



GUVERNUL ROMÂNIEI
MINISTERUL TRANSPORTURILOR
ȘI INFRASTRUCTURII



Institutul Național de Cercetare-Dezvoltare
pentru Protecția Mediului



Instrumente Structurale
2007-2013



PROGRAMUL OPERATIONAL NAȚIONAL 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: 31: 1 – 30 November 2013

6.3.1. Expert position: PROJECT LEADER EXPERT- Deák György

MONTHLY REPORT 1 - 30 November 2013

NO	ACTIVITIES	DESCRIPTION	RESULTS
1	Elaboration of the Monthly Report no. 31	<ul style="list-style-type: none"> ○ Covering breviary problem according to AFDJ Galati guidelines 	Monthly Report no 31
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 and checking of the field monitoring activity	<ul style="list-style-type: none"> ○ Coordination of field teams to accomplish the intensive measurements and to test the determinations of sturgeons' swimming velocity 	
5	Coordination of project's implementing team and permanent monitoring of the activities proposed for the reporting period	<ul style="list-style-type: none"> ○ Field visits to monitor the activities ○ Working meetings 	
6	Approval of experts' monthly activity reports		
7	Coordination of 6th Interim Report		
8	Documents' checking carried out for the 28 th month of projects' implementation		
9	Elaboration of the activities' program for the period of 1 - 31 December 2013		

Project leader,
PhD eng. Deák György



UNIUNEA EUROPEANĂ



GUVERNUL ROMÂNIEI
MINISTERUL TRANSPORTURILOR
ȘI INFRASTRUCTURII



Institutul Național de Cercetare-Dezvoltare
pentru Protecția Mediului



Instrumente Structurale
2007-2013



PROGRAMUL OPERATIONAL NAȚIONAL 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: 31: 1 – 30 November 2013

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

MONTHLY REPORT 1 - 30 November 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 (10.11.2013; 26.11.2013)	<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 	

Expert,
PhD eng. Gina GHIȚĂ

Project leader,
PhD eng. DEÁK György



UNIUNEA EUROPEANĂ



GUVERNUL ROMÂNIEI
MINISTERUL TRANSPORTURILOR
ȘI INFRASTRUCTURII



Institutul Național de Cercetare-Dezvoltare
pentru Protecția Mediului



Instrumente Structurale
2007-2013



PROGRAMUL OPERATIONAL NAȚIONAL 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: 31: 1 – 30 November 2013

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

MONTHLY REPORT 1 - 30 November 2013

NO	ACTIVITIES	DESCRIPTION	RESULTS
1.	Measurements campaign for the noise level, 31st campaign (6, 22.11.2013)	For the CP: 01, 02, 10	Punctual values of the noise level
2.	Measurements/sampling campaign for the noise level, campaign no.28 (6, 22.11.2013)	For the 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 31st monthly report (Air and Noise monitoring) 	Monthly Report no.31

Expert,
PhD chem. Adriana Borș

Project Leader,
PhD eng. DEÁK György



UNIUNEA EUROPEANĂ



GUVERNUL ROMÂNIEI
MINISTERUL TRANSPORTURILOR
ȘI INFRASTRUCTURII



Institutul Național de Cercetare-Dezvoltare
pentru Protecția Mediului



Instrumente Structurale
2007-2013



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: 31: 1 – 30 November 2013

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

MONTHLY REPORT 1 - 30 November 2013

NO	ACTIVITIES	DESCRIPTION	RESULTS
1.	Sturgeons scientific fishing activity 04÷08.11.2013 / 11÷15.11.2013 18÷20.11.2013 / 25÷27.11.2013	Scientific fishing in the critical points	
2.	Sturgeons capture and labelling 5.11.2013/ 11.11.2013/ 14.11.2013/ 15.11.2013/ 26.11.2013	11 sturgeons have been caught and labelled	Capture files, biological sampling
3.	Sturgeons and migration monitoring	Sturgeons and barbell migration monitoring using VR2W submersible automatic stations, installed	Recordings
4.	Other activities	Contribution to the accomplishment of the 31st Monthly Report Contribution to the 6 th Interim Report	Reports

Expert,
PhD biol. Adrian Ionașcu

Project Leader,
PhD eng. DEÁK György



UNIUNEA EUROPEANĂ



GUVERNUL ROMÂNIEI
MINISTERUL TRANSPORTURILOR
ȘI INFRASTRUCTURII



Institutul Național de Cercetare-Dezvoltare
pentru Protecția Mediului



Instrumente Structurale
2007-2013



PROGRAMUL OPERATIONAL NAȚIONAL 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: 31: 1 – 30 November 2013

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

MONTHLY REPORT 1 - 30 November 2013

NO.	ACTIVITIES	DESCRIPTION	RESULTS
1.	Data analysis	Analysis of the biometric data, previously obtained	
2.	Other activities	Contribution to the 6 th Interim Report	Reports

**Expert,
Istvan FALKA**

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



UNIUNEA EUROPEANĂ



GUVERNUL ROMÂNIEI
MINISTERUL TRANSPORTURILOR
ȘI INFRASTRUCTURII



Institutul Național de Cercetare-Dezvoltare
pentru Protecția Mediului



Instrumente Structurale
2007-2013



PROGRAMUL OPERATIONAL NAȚIONAL 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: 31: 1 – 30 November 2013

6.3.6. Expert position: HYDROLOGY EXPERT - Balint Gabor

MONTHLY REPORT 1 - 30 November 2013

NO.	ACTIVITIES	DESCRIPTION	RESULTS
1.	Turbidity, temperature and relative level data processing activity, recorded in the automatic stations in November 2013	Statistical processing of level, temperature and turbidity data recorded in October 2013 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 31	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



UNIUNEA EUROPEANĂ



GUVERNUL ROMÂNIEI
MINISTERUL TRANSPORTURILOR
ȘI INFRASTRUCTURII



Institutul Național de Cercetare-Dezvoltare
pentru Protecția Mediului



Instrumente Structurale
2007-2013



PROGRAMUL OPERATIONAL NAȚIONAL 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: 31: 1 – 30 November 2013

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

MONTHLY REPORT 1 - 30 November 2013

NO.	ACTIVITIES	DESCRIPTION	RESULTS
1.	MONITORING CAMPAIGN (04-06, 11-14, 18-20, 25-28.11.2013)	Single beam bathymetric measurements in the main critical points and on the monitoring sections	Raw and processed bathymetric data, transversal bathymetric sections
2.	MONITORING CAMPAIGN (04-06, 11-14, 18-20, 25-28.11.2013)	Weekly water velocity measurements on 5 transversal sections in the right of the automatic monitoring stations of turbidity and level, CP01	Raw velocity data
3.	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 31	Hydromorphology chapter and Annex 6.5
		Program proposal for 1 - 31 December 2013	Program

Expert,
PhD eng. Gh. Viorel UNGUREANU

Project Leader,
PhD eng. DEÁK György



UNIUNEA EUROPEANĂ



GUVERNUL ROMÂNIEI
MINISTERUL TRANSPORTURILOR
ȘI INFRASTRUCTURII



Institutul Național de Cercetare-Dezvoltare
pentru Protecția Mediului



Instrumente Structurale
2007-2013



PROGRAMUL OPERATIONAL NAȚIONAL 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: 31: 1 – 30 November 2013

6.3.11 Expert position: AQUATIC MACROINVERTEBRATES EXPERT - Luiza Florea

MONTHLY REPORT 1 - 30 November 2013

NO.	ACTIVITIES	DESCRIPTION	RESULTS
1.	LABORATORY ANALYSIS	<ul style="list-style-type: none"> • trierea suplimentară a probelor de macronevertebrate bentonice prelevate în campania din 28.10.2013 pentru a selecta organismele bentonice și pentru a realiza investigațiile ulterioare • additional sorting of benthic macroinvertebrates samples taken on 28.10.2013 in order to select benthic organisms and to realize further investigations • qualitative and quantitative analysis of the benthic macroinvertebrates 	<ul style="list-style-type: none"> ▪ 10 unități de probă analizate ▪ rezultate privind datele de calitate
2.	DATA ANALYSIS AND PROCESSING	<ul style="list-style-type: none"> • abundance computation and numerical density on taxonomic groups of the benthic macroinvertebrates • Shannon- Wiener diversity index computation for macroinvertebrates • Accomplishment of water's quality saprobiological indicators • Graphic representation of quality data resulted following the macroinvertebrates samples analysis 	<ul style="list-style-type: none"> ▪ Preliminary values of the quality indicators

Expert,
Luiza FLOREA

Project Leader,
PhD eng. DEÁK György



UNIUNEA EUROPEANĂ



GUVERNUL ROMÂNIEI
MINISTERUL TRANSPORTURILOR
ȘI INFRASTRUCTURII



Institutul Național de Cercetare-Dezvoltare
pentru Protecția Mediului



Instrumente Structurale
2007-2013



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
PHASE II

MONTHLY REPORT NO: 31: 1 – 30 November 2013

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

MONTHLY REPORT 1 - 30 November 2013

NO.	ACTIVITIES	DESCRIPTION	RESULTS
1.	MONITORING CAMPAIGN OF THE ANTHROPIC IMPACT (4, 27.11.2013)	<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. 31 ○ Program proposal for the next activities 	Monthly Report no 31

Expert,
AMBRUS Laszlo

Project Leader,
PhD eng. DEÁK György



UNIUNEA EUROPEANĂ



GUVERNUL ROMÂNIEI
MINISTERUL TRANSPORTURILOR
ȘI INFRASTRUCTURII



Institutul Național de Cercetare-Dezvoltare
pentru Protecția Mediului



Instrumente Structurale
2007-2013



PROGRAMUL OPERATIONAL NAȚIONAL 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: 31: 1 – 30 November 2013

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

MONTHLY REPORT 1 - 30 November 2013

NO.	ACTIVITIES	DESCRIPTION	RESULTS
1	Preparing data for Interim Report no. 7	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



UNIUNEA EUROPEANĂ



GUVERNUL ROMÂNIEI
MINISTERUL TRANSPORTURILOR
ȘI INFRASTRUCTURII



Institutul Național de Cercetare-Dezvoltare
pentru Protecția Mediului



Instrumente Structurale
2007-2013



PROGRAMUL OPERATIONAL NAȚIONAL 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: 31: 1 – 30 November 2013

6.3.17 Expert position: 3D MODELING EXPERT- prof.PhD HELMUT HABERSACK

MONTHLY REPORT 1 - 30 November 2013

No	ACTIVITIES	DESCRIPTION	RESULTS
1.	Modeling activities for CP01 and 02	Works versions have been analysed and files preparation operations made, in order to simulate the effects on hydraulics parameters in Bala bifurcation and bed bottom	Data preparation for simulations
2.	Modeling for the CP10	Danube's bed representation has been updated in the model and the effects of some works versions simulated and analysed in CP10	Results of Delft3D model on the hydraulic parameters in CP10
3.	Measurements data completion within the November conditions	Measurements results made by INCDPM in the actual situation contribute to the completion of data sets for modeling	Measured data sets preparation
4.	Other activities	-Contribution to the Monthly Report no. 31 -Contribution at the Interim Report 6	Report 31

Expert,
PhD Helmut HABERSACK

Project Leader,
PhD eng. DEÁK György