



UNIUNEA EUROPEANĂ



MINISTERUL TRANSPORTURILOR  
ȘI INFRASTRUCTURII



Națională Agency de Protecție Mediului  
județ Prahova-Băneasa



Ministerul Educației și Cercetării  
2007-2013



TRANS  
MARPAS DE ACȚIUNI, CONȘTIINȚĂ ȘI CAPACITĂȚI

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

MONTHLY REPORT NO.80: 1 – 31 December 2017

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## ANNEX 6.3.

### EXPERTS' ACTIVITY REPORTS



6.3.1. Expert position: PROJECT LEADER EXPERT- Deák György

**MONTHLY REPORT**  
**1 - 31 December 2017**  
Post-construction monitoring

No.	ACTIVITIES	DESCRIPTION	RESULTS
1	Elaboration of the Monthly Report no.80	<ul style="list-style-type: none"> <li>○ Covering issues according to AFDJ RA Galati guidelines</li> </ul>	Monthly Report 80
2	Communication of the project phase and results to the beneficiary - AFDJ Galați	<ul style="list-style-type: none"> <li>○ Elaboration of the addresses sent to AFDJ Galati</li> </ul>	
3	Coordination and checking of the field monitoring activity	<ul style="list-style-type: none"> <li>○ Checking the continuous monitoring stations, velocity measurements and bathymetry</li> <li>○ Checking the monitoring stations for sturgeons</li> <li>○ Checking the sampling campaigns</li> </ul>	
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"> <li>○ Working meetings</li> </ul>	
5	Approval of experts' monthly activity reports		
6	Checking and approving the documents elaborated in month 80 of the project activity		
7	Coordinate the drafting of Interim Report 17		
8	Coordinate the Phase Report for post-construction in CP 10		
9	Elaborate the project activities program for the next period (1 - 31 January 2018)		

Project leader,  
PhD eng. Deák György



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

**MONTHLY REPORT**  
**1 - 31 December 2017**  
Post-construction monitoring

No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	<b>ORGANISING SAMPLING CAMPAIGN FOR SOIL, WATER AND SEDIMENTS</b>	<ul style="list-style-type: none"> <li>▪ Preparation of sampling recipients (depending on chemical indicators) for soil, water and sediments;</li> <li>▪ Preparation of reagents for water samples fixation in field conditions;</li> <li>▪ Laboratory and field AMC calibration;</li> <li>▪ Preparing a set of reagents for field and laboratory analysis</li> </ul>	<ul style="list-style-type: none"> <li>▪ Ensuring the proper conditions for sampling campaign</li> </ul>
2.	<b>SAMPLING CAMPAIGN FOR WATER AND SEDIMENTS (06.12.2017)</b>	<ul style="list-style-type: none"> <li>▪ Water and sediments sampling from CP01, CP02;</li> <li>▪ The compliance to geographical coordinates for each sampling point has been checked;</li> <li>▪ The samples were labelled;</li> <li>▪ For each water and sediment sample was completed a registration bulletin for the sampling activity;</li> <li>▪ Field analysis were performed (pH, temperature, dissolved oxygen, turbidity) regarding water quality;</li> <li>▪ Water samples have been fixed according to actual standards to determine indicators in the laboratory.</li> </ul>	<ul style="list-style-type: none"> <li>▪ 35 water samples</li> <li>▪ 14 sediment samples</li> </ul>
3.	<b>SAMPLING CAMPAIGN FOR SOIL (06.12.2017)</b>	<ul style="list-style-type: none"> <li>▪ Soil sampling from CP01, CP02, CP 03 (A and B), CP 04 (A and B) and CP 07;</li> <li>▪ The compliance to geographical coordinates for each sampling point has been checked;</li> <li>▪ The samples were labelled;</li> <li>▪ For each soil sample was completed a registration bulletin for the sampling activity;</li> </ul>	<ul style="list-style-type: none"> <li>▪ 32 soil samples</li> </ul>
4.	<b>PHYSICAL- CHEMICAL LABORATORY ANALYSIS</b>	<ul style="list-style-type: none"> <li>▪ Conducting the specific standard procedures for analytical data quality assurance.</li> </ul>	<ul style="list-style-type: none"> <li>▪ Preliminary data regarding soil, water and sediment quality</li> </ul>
5.	<b>OTHER ACTIVITIES</b>	<ul style="list-style-type: none"> <li>▪ Contribution to Monthly Report 80</li> <li>▪ Contribution to Interim Report 17</li> </ul>	Reports

Expert,  
PhD eng. Gina GHIȚĂ

Project leader,  
PhD eng. DEÁK György



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

MONTHLY REPORT NO.80: 1 – 31 December 2017

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

## MONTHLY REPORT 1 - 31 December 2017 Post-construction monitoring

No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	Measurements campaign 72 for noise level (15, 18.12.2017)	For secondary critical points CP 03A, CP 03B, CP 04A, CP 04B and CP 07	Point values for noise level
2.	Conducting the measurements/sampling campaign for air, campaign 69 (15, 18.12.2017)	For secondary critical points CP 03A, CP 03B, CP 04A, CP 04B and CP 07	Preliminary values for air quality indicators
3.	Other activities	<ul style="list-style-type: none"> <li>○ Participation to the meetings of the project implementation team, in order to plan and conduct future activities</li> <li>○ Contribution to Monthly Report 80 (Air and noise monitoring chapters)</li> <li>○ Contribution to Interim Report 17 drafting</li> </ul>	Monthly Report 80 Interim Report

**Expert,**  
PhD chem. Adriana Borș

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



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

MONTHLY REPORT NO.80: 1 – 31 December 2017

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

## MONTHLY REPORT 1 - 31 December 2017 Post-construction monitoring

No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	Monitoring of sturgeons' migration in CP01 and CP02 (13,14,15.12.2017)	- active monitoring with VR100 for ultrasonic tagged sturgeon specimens. - data downloading from the monitoring systems	Report
2.	Data processing	- Contribution to Monthly Report 80 - Contribution to Interim Report 18	Reports

**Ichthyologist Expert,**  
PhD eng. Victor CRISTEA

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



6.3.6. Expert position: HYDROLOGY EXPERT - PhD eng. George POTERAŞ

**MONTHLY REPORT**  
**1 - 31 December 2017**  
 Post-construction monitoring

No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	Data processing for turbidity, temperature and relative level, recorded in automatic stations in December 2017	Statistical processing of level, temperature and turbidity data recorded in December 2017, in automatic stations from the monitoring sector.	Statistical indicators, turbidity and temperature variation graphs, hodographs of the relative and absolute water level, water gradients, correlations between the automatic monitoring stations.
2.	Contribution to Monthly Report 80	Processing and interpretation of specific data.	Drafting the Hydrology subchapter, for hydromorphological monitoring activity and for Annex 6.5.

**Expert,**  
 PhD eng. George POTERAŞ

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



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

**MONTHLY REPORT**  
**1 - 31 December 2017**  
Post-construction monitoring

No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	MONITORING CAMPAIGN (04, 05, 06, 07, 08, 11, 12, 13, 14, 15.12.2017)	Single-beam bathymetric measurements in main critical points for sections profiling	Pre-processed and primary bathymetric data
2.	MONITORING CAMPAIGN (04, 05, 06, 07, 08, 11, 12, 13, 14, 15.12.2017)	ADCP measurements for flow and velocity, on the monitoring sector	Unprocessed velocities data
3.	OTHER ACTIVITIES	Further measurements processing for flow and velocities from previous months	Processed data for flow and velocities Velocities sections
		Contribution to Monthly Report 80	Chapter Hydromorphology and Annex 6.5
		Program proposal for 1 - 31 January 2018	Program

**Expert,**  
PhD eng. Gh. Viorel UNGUREANU

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



6.3.8 Expert position: MACROPHYTES AND PHYTOPLANKTON EXPERT - Florica Marinescu

**MONTHLY REPORT**  
**1 - 31 December 2017**  
Post-construction monitoring

NR. CRT.	ACTIVITĂȚI	DESCRIERE	REZULTATE
1.	PREPARING THE SAMPLING CAMPAIGN FOR PHYTOPLANKTON	<ul style="list-style-type: none"> <li>▪Preparing containers for phytoplankton samples</li> <li>▪Preparing the reagents for samples preservation in field conditions;</li> <li>▪Preparing the necessary documents for „in field” samples registration</li> </ul>	Ensuring the conditions for sampling campaign
2.	CONDUCTING THE SAMPLING CAMPAIGN FOR PHYTOPLANKTON (06.12.2017)	<ul style="list-style-type: none"> <li>▪Specific sampling activities for phytoplankton from CP 03A, 03B, 04A, 04B,07</li> <li>▪Samples fixation according to the standards in force</li> <li>▪Completing the sampling bulletins for macrophytes</li> </ul>	<ul style="list-style-type: none"> <li>- 15 phytoplankton samples (left bank, center, right bank)</li> <li>- sampling bulletins</li> </ul>
3.	LABORATORY ANALYSIS	<ul style="list-style-type: none"> <li>▪Microscopic identification of organisms in phytoplankton composition</li> <li>▪ Quantitative microscopic analysis of algal units in phytoplankton</li> </ul>	Results on quality data
4.	DATA PROCESSING AND ANALYSIS	<ul style="list-style-type: none"> <li>▪Drawing up the list of phytoplankton species identified in the collected samples</li> <li>▪Density and biomass calculation for phytoplankton samples</li> <li>▪Calculation of Saprob Index and Simpson Diversity Index for phytoplankton samples</li> </ul>	Values of quality indicators
	OTHER ACTIVITIES	<ul style="list-style-type: none"> <li>▪Participation to Monthly Report 80 - Chapter Aquatic flora and fauna monitoring (except for ichthyofauna)</li> <li>▪Contribution to Interim Report 17</li> </ul>	<ul style="list-style-type: none"> <li>Raport lunar nr. 80 - Capitolul F</li> <li>Interim Report 17- Chapter 2.1.7</li> </ul>

Expert,  
PhD biologist Florica MARINESCU

Project Leader,  
PhD eng. DEÁK György





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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

MONTHLY REPORT NO. 80: 1 – 31 December 2017

### 6.3.10. Expert position: TERRESTRIAL INVERTEBRATES - Cecilia ȘERBAN

## MONTHLY REPORT 1 - 31 December 2017 Post-construction monitoring

No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	CONDUCTING THE OBSERVATION CAMPAIGN REGARDING PRESENCE/ABSENCE OF LUMBRICIDES  (06.12.2017)	- Have been monitored the presence/absence of lumbricides in soil samples collected from critical points locations: CP01, CP02, CP03 (A and B), CP04 (A and B) and CP07;	Observations regarding the presence/absence of the lumbricides
2.	OTHER ACTIVITIES	- Preparing the observation campaign - Assessing the distribution of lumbricides in monitoring areas - Contribution to Monthly Report 80	

Expert,  
ȘERBAN Cecilia

Project Leader,  
PhD eng. DEÁK György



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

MONTHLY REPORT NO. 80: 1 – 31 December 2017

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

**MONTHLY REPORT**  
**1 - 31 December 2017**  
Post-construction monitoring

No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	<b>ANTHROPIC IMPACT MONITORING</b> (06, 15.12.2017)	<ul style="list-style-type: none"> <li>○ field campaign in main critical points areas and in secondary critical points to set out the fixed and mobile sources for noise and emissions, in order to establish the anthropization degree;</li> </ul>	<ul style="list-style-type: none"> <li>- data</li> <li>- photos</li> </ul>

**Expert,**  
AMBRUS Laszlo

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



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

MONTHLY REPORT NO.80: 1 – 31 December 2017

6.3.16. Expert position: EXPERT ASSESSOR OF THE MONITORING RESULTS - Marian TUDOR

**MONTHLY REPORT**  
**1 - 31 December 2017**  
 Post-construction monitoring

No.	ACTIVITIES	DESCRIPTION	RESULTS
1.	Data processing related to aquatic and terrestrial ecosystems for Interim Report 18	Determination of primary statistical values	Primary statistical values
2.	Corroborate the monitoring results for abiotic and biotic parameters for Interim Report 18	Determination of intercorrelations between abiotic and biotic determinants	Correlation functions Quality indicators variation

Expert assessor,  
 PhD Marian TUDOR

Project Leader,  
 PhD eng. DEÁK György