

Between 22/01/2014 - 15/06/2015 has continued the implementation of the project through: Activity 42 "Achievement of cross-border network for ambient air quality monitoring" and Activity 43 "Information and Publicity".

### Activity 42:

- There was received the second tranche of Monitoring and Measuring Equipment for Air Pollution as well as: "Monitoring and Measuring Equipment for Air Pollution" equipped with sensors CO, NO<sub>2</sub>, O<sub>3</sub>, etc., integrated GPRS data acquisition and transmission (3 pcs.); Portable (FT)IR Analyzer for environmental measurements for emergency situations (1 pc.).



- All five air quality monitoring stations were installed by team members at the headquarters of ICMET Craiova. There were achieved tests for data transmission, both individual station and the entire network of air quality monitoring, carried out under the project.



## Newsletter No. 6

- In March, ICMET Craiova attended a working meeting for establishing the location of air quality monitoring station that will be placed in Calarasi County.

Representatives of the Ministry of Environment, Water and Forests of Romania, EPA Calarasi and the Town Hall of Modelu Village Hall have attended an working meeting. It was established by visit on the spot, the place of the station in the No.2 Secondary School yard from Modelu village.



- Also in March, at the headquarters ICMET Craiova it was held an working meeting attended by representatives of the Ministry of Environment, Water and Forests of Romania and EPA Dolj.

They travel to the city of Calafat for choosing the best place, by visit on the spot, of the air quality monitoring station in Dolj county. It was established in agreement with the representative of Water Company Oltenia SA, Branch Calafat, the yard of this institution as a location for installing the traffic station.



- ICMET acquired Craiova the service "Training" for training the people from environmental agencies that will be equipped with the new stations: EPA Dolj, EPA Teleorman and EPA Calarasi.





- The project team of ICMET Craiova achieved the website [www.airqualityrobg.icmet.ro](http://www.airqualityrobg.icmet.ro) designed primarily to provide real-time information on concentrations of pollutants measured by the five new air quality monitoring stations Romania-Bulgaria border area. The website contains information about air quality, in general, European legislation, links to the institutions involved in environmental protection in Romania, Bulgaria and the European Union.

From the menu of the website [www.airqualityrobg.icmet.ro](http://www.airqualityrobg.icmet.ro) the "Interactive Map" web application can be access. The web application is achieved also by ICMET Craiova, and it represents a mean through which anyone interested can find information about stations and existing pollution sources in the Romania-Bulgaria cross-border area. The web application has a section with information about emissions inventories of polluters, intended only to authorities and can be accessed by a password.



- At present, the subtask of mounting and putting to operation of all the five stations in the predetermined locations is on going.

#### Activity 43:

- In the period March-May 2014, working visits were made in counties of Calarasi, Dolj, Teleorman, Olt, Giurgiu County and on EPAs from these counties and some NGOs which were previously identified. There have been disseminated information about activities implemented by ICMET Craiova within the project "Joint Risk Monitoring during Emergency in the Danube Area Border".

During these working visits promotional materials were distributed.



- ICMET Craiova organized on 4 June and 5 June 2015 at the Conference Hall - Doina Hotel, Neptun, Constanta County, Romania, the workshop entitled "Monitoring Air Quality Network in the Danube Cross-Border Area".

The topics of the workshop was of interest and following the sent invitations the representatives of the following institutions attended the seminar:

- ↗ **governmental environmental authorities:** National Environmental Protection Agency of Romania and Environment Executive Agency Bulgaria;
- ↗ **local environmental authorities:** EPA Mehedinti, EPA Dolj, EPA Teleorman, Giurgiu, EPA Calarasi, EPA Constanta from Romania and Regional Inspectorate of Environment and Water - Veliko Tarnovo from Bulgaria;
- ↗ **local public authorities:** prefectures of the counties Mehedinti, Dolj, Calarasi and the Town Hall Calafat;
- ↗ **NGOs** from Dolj, Olt, Calarasi counties;
- ↗ **research institutions:** IPA CIFATT S.A. Craiova, Craiova University.



The Workshop was opened by representatives of ICMET Craiova and the Ministry of Environment, Water and Forests of Romania, Mr. Adrian Vintilă, as Coordinator of Module 4 and Mrs. Dorina Mocanu,

General Director of the Ministry of Environment, Water and Forests of Romania.

After opening speeches were presented the following works according to the workshop agenda:

- Results and Craiova ICMET activities of the project *“Joint Risk Monitoring during Emergencies in the Danube Area Border”* - eng. *Camelia Marinescu, ICMET Craiova, Romania*;
- *“Air Quality Monitoring Network in the Danube Cross-Border Area”* - eng. *Adrian VINTILĂ, ICMET Craiova, Romania*;
- *“Thirty Years of Monitoring Air Quality in Giurgiu Area”*- *Monica CENUSA, EPA Giurgiu, Romania*;
- *“Considerations Regarding the Monitoring of Particulates Matter-Synchronized Hybrid Ambient Real-time Particulate Monitor Model 5030i SHARP -Thermo Scientific”*- eng. *Iulian Hurezeanu, ICMET Craiova, Romania*;
- *“SCADA System for assisting the decisions, monitoring and analysis of environmental quality”* - eng. *Marcel IONICĂ, IPA CIFATT SA Craiova, Romania*;



- Presentation website: *“Air Quality in the Romania-Bulgaria Cross-Border Area”* - eng. *Claudiu Ionel NICOLA, ICMET Craiova, Romania*;
- *“Techniques and Systems for Monitoring Environmental Quality”* - Lecturer eng. *Gheorghe Eugen SUBȚIRELU, University of Craiova/Faculty of Electrical Engineering/ Department of Engineering in Electromechanics, Environment and Industrial Informatics*;
- *“Dichotomous Ambient Particulate Monitor Model TEOM 1405-DF - Thermo Scientific”* - eng. *Aurelia Iuliana SCORNEA, ICMET Craiova, Romania*;
- *“Monitoring Air Quality Station from Mangalia”* - *Daniela Serban, APM Constanta, Romania*;

- *“State and Outlook of the European Environment”* - eng. *Fevronia-Despina ROMAN, ICMET Craiova, Romania*.



- The website [www.airqualityrobg.icmet.ro](http://www.airqualityrobg.icmet.ro) accomplished in Romanian, Bulgarian and English, is an advertising tool providing information on all ICMET Craiova results achieved by the project:
  - ✦ submenu *“Study”* summarizes the study *“Air quality in the border area of the Danube”*;
  - ✦ submenu *“Technical Project”* project summary *“New Air Quality Monitoring Network in Danube Border Area”*;
  - ✦ submenu *“Newsletter”* provides information and images from the project implementation;
  - ✦ submenu *“Workshop”* contains papers presented during the two workshops: *“Air Quality in the Danube Border Area”* and *“Monitoring Air Quality Network in the Danube Border Area”*. Also, in this submenu there are the photo galleries during these events.



Project title: „Joint Risk Monitoring during Emergencies in the Danube Area Border“  
Editor of the material: Research, Development and Testing National Institute for Electrical Engineering - ICMET Craiova  
Date of publishing: 15.06.2015  
The content of this material does not necessarily represent the official position of the European Union.