



**Regional Workshop on In Situ Methods  
for Contaminated Site Characterization**

**PROSPECTUS**

- Project Number & Title:** RER/7/008 – Strengthening Capabilities for Radionuclide Measurement in the Environment and Enhancing QA/QC System for Environmental Radioactivity Monitoring.
- Place (City, Country):** Pécs, Hungary
- Dates:** 6-10 November 2017
- Deadline for Nominations:** 15 September 2017
- Organizers:** The International Atomic Energy Agency (IAEA) in collaboration with the Government of Hungary through the Mecsek Environmental Protection Centre, Mining Property Utilization Ltd..
- Host Country Organizer:** Mecsek Environmental Protection Centre  
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- Language:** English
- Purpose:** The objective of the workshop is to increase knowledge and to exchange best practices and professional experience on in-situ radio-analytical techniques used in emergency and site characterisation for the identification and inventory assessment of gamma ray emitting radionuclides, the determination of the extend of contaminated sites, the estimation of surface contamination on objects and dose-rate measurement.

**Expected Outputs:**

The expected outputs of the workshop are:

- Increased capabilities to monitor radionuclides in terrestrial environment;
- Participants able to perform in-situ techniques of measurement, evaluate and interpret their results;
- Participants enabled to design and carry out related quality control activities;
- Opportunity for participants to learn and to practice in a strictly controlled radioprotection context to carry out sampling and measurements on contaminated sites and therefore to increase safety in their future work in such conditions;
- Knowledge of how to establish a control station at the perimeter of the contaminated area.

**Scope and Nature:**

The workshop will consist of both technical lectures and on-the-job training including measurements on contaminated sites under the guidance of experienced participants and local staff.

Over the one-week period the following topics will be addressed:

- In-situ gamma-ray spectrometry;
- Route monitoring including both vehicle-based and back-pack systems;
- Determination of surface contamination of soil and external contamination of individuals exposed to contaminated sites;
- Dose-rate determination at dedicated points;
- Quality assurance activity when applicable;
- Interpretation of measurement results.

**Background Information:**

The overall objective of the regional project RER/7/008 is to further develop the capabilities for source and environmental monitoring and to improve quality assurance for measurement and monitoring of radioactivity in the environment, in accordance with ISO 17025:2005, in order to ensure future metrological traceability and comparability of measurement results and to harmonize approaches and procedures at regional level. The expected project outcome is an increased regional capability for monitoring radionuclides in the terrestrial and aquatic environments.

**Participation:**

This workshop is open to participants from Member States taking part in the RER/7/008 project. The selection of the candidate will be based on the qualification criteria stated below. Therefore, candidates are encouraged to provide the necessary information to prove their professional competencies.

Observers from other Member States are welcome on this workshop however; they should cover their related costs.

**Participants' Qualifications:**

University degree in physics or chemistry, demonstrated experience in radio-analytical techniques and/or in monitoring of environmental radioactivity. The basic knowledge of gamma ray spectrometry is considered an asset.

The practical exercises are planned assuming a ratio of 1:4 between experienced participants and beginners. In your application therefore please indicate whether you are experienced or a beginner in the in situ measurements.

**Application  
Procedure:**

For this particular event, please submit nominations to the IAEA in PDF-format using the attached Nomination Form. Completed forms should be endorsed by relevant national authorities and sent to the Programme Management Officer for this project - Ms Carmina Jimenez Velasco and to the Project Assistant - Ms Gulnur Erni-Toyalieva (IAEA Official Fax: +43-1-26007 or E-Mail Official.Mail@iaea.org), through the official channels, i.e. the designated National Liaison Office for IAEA matters, not later than **15 September 2017**.

**Administrative  
and Financial  
Arrangements:**

Nominating Governments will be informed in due course of the names of the candidates who have been selected and will, at that time, be given full details of the procedures to be followed with regard to administrative and financial matters.

Selected participants from countries eligible to receive technical assistance will be provided with a round trip economy class air ticket from their home countries to Budapest, and local train tickets to Pecs city, Hungary and a Daily Subsistence Allowance (DSA) at the prevailing UN Rate. Shipment of accumulated workshop materials to the participants' home countries is not the responsibility of the IAEA.

The organizers of the workshop do not accept liability for the payment of any cost or compensation that may arise from damage to or loss of personal property, or from illness, injury, disability or death of a participant while he/she is travelling to and from or attending the workshop, and it is clearly understood that each Government, in nominating participants, undertakes responsibility for such coverage. Governments would be well advised to take out insurance against these risks.