



# International Atomic Energy Agency

## Regional Workshop on the Links between Monitoring, Assessment of Exposures and Demonstration of Compliance with Radiological Criteria

Vienna, 12–16 June 2017

Room: M6

### PROSPECTUS

**Project Number & Title:** RER/7/008 - Strengthening Capabilities for Radionuclide Measurement in the Environment and Enhancing QA/QC System for Environmental Monitoring

**Place (City, Country):** Vienna, Austria

**Dates:** 12–16 June 2017

**Deadline for Nominations:** 24 March 2017

**Organizers:** The International Atomic Energy Agency (IAEA)

**Host Country Organizer:** Ms Carmina Jimenez Velasco  
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**Language:** English

**Purpose:** The purpose of the workshop is to provide an opportunity to exchange experience of regulators, operators and other interested parties on the role of source and environmental monitoring of radionuclides for the assessment of doses to people and the environment. This is needed for the demonstration of compliance with radiological criteria. The workshop will outline the relevant IAEA safety requirements and related radiological criteria to control public exposures.

The workshop will address monitoring during normal operation of nuclear facilities and monitoring during and following unplanned releases of radionuclides to the environment. Monitoring of existing contaminations to guide remediation will be addressed as well. Monitoring strategies, tools for the assessment of doses to member of the public and their application will be presented. The workshop will address the design of monitoring programmes including the spatial and temporal resolution of sampling to provide appropriate input for the assessments for demonstrating compliance with radiological criteria.

**Expected Output(s):**

The workshop will enable the participants to harmonise the practice and interpretation of the environmental monitoring results. It will present methodologies to estimate exposures to the public in the vicinity of nuclear facilities, to identify the dominant transfer processes of radionuclides in the environments and to assess the importance of exposure pathways.

**Scope and Nature:**

The workshop will take place over a five days period; it will provide lectures, case studies, and methodologies for dose assessment. Time for discussions and exercise will be allocated as well.

The selected participants will be kindly requested to give a short presentation of maximum 10 slides about the ongoing national arrangements for monitoring and its role in demonstrating compliance with radiological criteria. Such presentations could include, as appropriate:

- International recommendations (by EU, WHO, ICRP, etc.) and their implementation in the national legislation
- Potential sources of radioactive discharges and environmental contaminations
- Implemented programmes for source and environmental monitoring
- Use of monitoring results in regulatory processes

**The title of the presentation needs to be provided in the application form.** In agreement with the authors, the accepted presentations will be shared on electronic media in agreement.

**Background Information:**

The workshop is organised to support the interest expressed by many European countries on harmonised methodologies for using results from source and environmental monitoring for assessing exposures to the public arising from radionuclides being discharged or existing in the environment. The results of such assessments are used for demonstrating compliance with radiological criteria.

**Participation:**

The workshop is open to up to 32 participants from the European region and relevant partners. Participants will be selected based upon their practice and position in the environmental control work. The target countries are those who participate under the project RER/7/008.

Priority will be given to agencies and institutions, which are involved in the country wide monitoring programme and/or the control/assessment of exposures to the public arising from discharges of nuclear facilities and activities.

- Participants' Qualifications:** The participants should be experienced in monitoring and/or in the assessment of radiological impacts for regulatory purposes.
- Nomination Procedure:** Please submit nominations to the IAEA online through the Technical Cooperation Department's InTouch system (<http://intouch.iaea.org>). Only if this is not possible, nominations may be submitted on the Nomination Form for Meeting/Workshop available on the IAEA website: <http://www.iaea.org/technicalcooperation/How-to-take-part/In-meetings-WS/index.html>. Completed forms should be endorsed by relevant national authorities and sent to the Programme Management Officer for this project, Ms Carmina Jimenez Velasco (IAEA Official E-Mail [Official.Mail@iaea.org](mailto:Official.Mail@iaea.org)), through the official channels, i.e. the designated National Liaison Office for IAEA matters, not later than **24 March 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 Vienna, Austria, 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.