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International Atomic Energy Agency

Agence internationale de l'énergie atomique

Международное агентство по атомной энергии

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2016-03-07

**Subject:** Invitation to a Regional Workshop on Soil and Vegetation Sampling, Karlsruhe, Germany, 25-29 July 2016

Dear National Liaison Officer,

I am pleased to invite you to send nominations of suitable candidates to participate in the above-mentioned workshop under the framework of TC Project RER/7/008, "Strengthening Capabilities for Radionuclide Measurement in the Environment and Enhancing Quality Assurance/Quality Control System for Environmental Monitoring". The purpose of the workshop and related information are outlined in the attached Prospectus.

For candidates who are selected by the IAEA, the IAEA will cover the cost of return international travel from the home country to Karlsruhe, Germany and provide Daily Subsistence Allowance (DSA) for the duration of the workshop in line with IAEA rules and procedures.

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 De Bergant (IAEA Official Fax: +43-1-26007 or 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 **14 April 2016**.

Yours sincerely,

Martin Krause

Director

Division for Europe

Department of Technical Cooperation

Enclosure: Prospectus

# International Atomic Energy Agency

## Regional Workshop on Soil and Vegetation Sampling

### 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):** Karlsruhe, Germany
- Dates:** 25-29 July 2016
- Deadline for Nominations:** 14 April 2016
- Organizers:** The International Atomic Energy Agency (IAEA) in collaboration with the Government of Germany through Karlsruher Institut für Technologie (KIT), Fortbildungszentrum für Technik und Umwelt (FTU)
- Host Country Organizer:** Ms Sibylle Mann  
Fortbildungszentrum für Technik und Umwelt (FTU)  
Karlsruher Institut für Technologie (KIT)  
Karlsruhe  
Tel: 0049 (0)721 608 23272  
Email: sibylle.mann@kit.edu
- Language:** English
- Purpose:** To introduce the up to date sampling and sample preparation and rapid measurement techniques for soil and vegetation monitoring.
- Expected Output(s):** This workshop intended to give a practical guideline for already experienced radioanalytical experts to upgrade their existing methods at the hosts laboratories to make the obtained monitoring results (by different countries) more comparable. Also one of the main goals to encourage the Member States' laboratories to extend the scope of existing accreditation including the sampling techniques.
- Scope and Nature:** Three main parts of the workshop are the lectures, practical work on sampling and sample preparation and visit the laboratory including demonstration measurements as detailed below:  
Lectures
- Sample drawing vegetation, soil
  - Sample preparation, uncertainties

- Norms, guidelines
- Advanced radioanalytics for environmental samples – methods, calibration, uncertainties, corrections

#### Sample preparation

- Sample drawing soil
- Preparation of soil and vegetable/fruit samples for ashing
- Direct gamma measurement of ashed samples
- Acidic leaching of ashed samples (Pu/Po/Ra)
- Overall alpha/beta determination

#### Visits/demonstrations

- In situ gamma spectrometry in routine and emergency situation
- Analytical laboratories for environmental samples (preparation and analytics)
- (routine monitoring at a nuclear power plant and monitoring in incidental situations –tentative, planned but not confirmed yet)

#### **Background Information:**

As per the sampling and sample preparation are key steps of the environmental monitoring this workshop covers these subjects and helps to harmonise the existing monitoring approaches in complete emphasis with the RER 7/008 project.

#### **Participation:**

The workshop is open to one participant from the Member States participating in the regional technical cooperation project RER/ 7/008, in particular: Albania, Armenia, Azerbaijan, Belarus, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Estonia, Georgia, Greece, Hungary, Kazakhstan, Kyrgyzstan, Latvia, Lithuania, Malta, Moldova, Montenegro, Poland, Portugal, Romania, Russian Federation, Serbia, Slovakia, Slovenia, Tajikistan, The Former Yugoslav Republic of Macedonia, Turkey, Ukraine and Uzbekistan.

#### **Participants' Qualifications:**

The participants should be specialists in radioanalytical monitoring of environment and related radioanalytical techniques.

As the workshop will be conducted in English, participants should have sufficient proficiency to follow lectures and express themselves in this language without difficulty.

#### **Nomination Procedure:**

Nominations for the Regional workshop should be submitted to the IAEA online through the Technical Cooperation Department's InTouch system (<http://intouch.iaea.org>). Should this not be possible, nominations may be submitted on the standard IAEA Nomination Form for Workshop and National Consultant (available on the IAEA website: <http://www.iaea.org/>). Completed forms should be endorsed by relevant national authorities and returned to the Agency through the official channels, i.e. the designated National Liaison Office for IAEA Matters.

The completed nomination forms should be sent to the Programme

Management Officer for this project, Ms Carmina Jimenez De Bergant, through IAEA Official Fax (+43-1-26007) or E-Mail (Official.Mail@iaea.org), not later than **14 April 2016**. Nominations received after this date or which have not been routed through the established official channels cannot be considered.

**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 Karlsruhe, Germany, 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.