



Atoms for Peace

الوكالة الدولية للطاقة الذرية  
國際原子能机构  
International Atomic Energy Agency  
Agence internationale de l'énergie atomique  
Международное агентство по атомной энергии  
Organismo Internacional de Energía Atómica

National Liaison Officer

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2017-03-10

**Subject:** Invitation to the Regional Workshop on Sampling Procedures for Water and Sediment Sample, Kozloduy, Bulgaria, 26-30 June 2017

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 QA/QC System for Environmental Radioactivity 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 Kozloduy, Bulgaria 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 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 21 April 2017.

Yours sincerely,

Martin Krause  
Director  
Division for Europe  
Department of Technical Cooperation

Enclosure: Prospectus

14 03 2017 11:00:00

# International Atomic Energy Agency

## Regional Workshop on Sampling Procedures for Water and Sediment Sample

### 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):** Kozloduy, Bulgaria
- Dates:** 26-30 June 2017
- Deadline for Nominations:** 21 April 2017
- Organizers:** The International Atomic Energy Agency (IAEA) in collaboration with the Government of Bulgaria through the Kozloduy Nuclear Power Plant.
- Host Country Organizer:** Mr Ivan Andreev  
Kozloduy NPP PLC  
3321 KOZLODUY  
BULGARIA  
Tel.: +359 973 72020  
Fax: +359 973 80591  
Email: document@npp.bg
- Language:** English
- Purpose:** To introduce the up-to-date sampling, sample preparation and rapid determination of anthropogenic radionuclides for freshwater and sediment monitoring.
- Expected Output(s):** This workshop is intended to give a practical guideline for already experienced radioanalytical experts and beginners to upgrade their existing knowledge and exchange their experience in the related environmental sampling and measurement technique. 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:** The workshop includes lectures on the applied sampling and analytical methods including their quality assurance procedures in the laboratories of the participants. The practical part will demonstrate the sampling of water and sediment in real circumstances.

Lectures:

- Sampling techniques in freshwater environment for radionuclide analysis;
- Sample preparation and possible enrichment methods;
- Measurements, data reporting, uncertainty budget;
- Related QA/QC.

Practical exercise:

- Sampling from river water;
- Sampling from sediment;
- Direct gamma measurement of samples;
- Enrichment of radionuclides by ion exchange resin, AMP;
- Data reporting, calculation of detection limit, establishing of uncertainty budget.

Visits/demonstrations:

- Environmental control laboratory of the NPP;

**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 up to 32 participants from the European region, participating in the project RER/7/008 and relevant partners. Participants will be selected based upon their practice and position in radioanalytical monitoring of environment and related radioanalytical techniques.

**Participants' Qualifications:**

The participants should be specialists in radioanalytical monitoring of environment and related radioanalytical techniques. A university degree in chemistry, radiochemistry or environmental sciences is required.

**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 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 **21 April 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 Kozloduy, Bulgaria 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.