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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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In reply please refer to: RER9121-002

Dial directly to extension: (+431) 2600-22992

2014-12-22

Subject: Invitation to a Regional Training Course on Remediation Design and Long-Term Performance Assessment, Vienna, Austria, 13 to 17 April 2015

Dear National Liaison Officer,

I am pleased to invite you to send nominations of suitable candidates to participate in the above-mentioned training course under the framework of TC Project RER/9/121 – Supporting Environmental Remediation Programmes. The purpose of the training course 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 Vienna, Austria and provide a stipend for the duration of the training course 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 Training Course available on the IAEA website: <http://www.iaea.org/technicalcooperation/How-to-take-part/train-course/index.html>. Completed forms should be endorsed by relevant national authorities and sent to the Programme Management Officer for this project, Mr Andrei Chupov (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 **16 February 2015**.

Yours sincerely,

Manase Peter Salema

Director

Division for Europe

Department of Technical Cooperation

Enclosures: Prospectus

International Atomic Energy Agency

Regional Training Course on Remediation Design and Long-Term Performance Assessment

PROSPECTUS

Project Number & Title:	RER9121 Supporting Environmental Remediation Programmes
Place (City, Country):	Vienna, Austria (MOE100)
Dates:	13-17 April 2015
Deadline for Nominations:	16 February 2015
Organizers:	The International Atomic Energy Agency (IAEA) in collaboration with the Government of Azerbaijan through the Ministry of Emergency Situations of the Republic of Azerbaijan
Host Country Organizer:	Mr Andrei Chupov Programme Management Officer International Atomic Energy Agency Wagramerstrasse 5 Vienna Austria Tel: +43 1 2600 22992 Fax: +43 1 26007 E-mail: official.mail@iaea.org
Language:	English
Purpose:	The primary objective of this training course is to provide implementing and regulatory organizations with a global understanding of the key aspects that need to be considered in the design of remediation projects with a view to the long-term performance of the remediation solutions.
Expected Output(s):	The course will enable the participants to understand the fundamentals of the design and long-term performance assessment of remediation solutions. This understanding will improve their managerial capabilities related to the selection of approaches to deal with the remediation of contaminated sites.
Scope and Nature:	Performance covers radiological and non-radiological, as well as conventional geotechnical aspects. As the design and operation of many remediation solutions relies on assumptions and models, performance assessment supplies information that is useful in the verification and

calibration of these assumptions and models Two basic approaches exist, risk-based assessment and design-based assessment. The actual approach adopted for a performance assessment will depend on the conceptual starting point, site specific parameters, as well as possible requirements by the licensing authorities. In this regard, a performance assessment would comprise a variety of elements, including the establishing of site baseline conditions, monitoring for the short term performance, and predictive modelling for the medium to long term performance. The radiological evaluation of the assessments would be carried out against different exposure scenarios developed and on the basis of doses received by respective critical groups. The non-radiological evaluation is usually carried out against prescriptive target values, such as permissible contaminant concentrations in certain environmental compartments. A well-developed body of standards exists for conventional engineering hazards.

Background Information:

Performance assessment of remediation works normally includes the verification of compliance with applicable regulations, as well as site specific performance objectives. A performance assessment also provides a tool for the optimization of remediation measures and the identification of shortcomings in design, operating procedures and management systems. Since the design and operation of many remediation solutions relies on assumptions and models, performance assessment supplies information that is useful in the verification and calibration of these assumptions and models. Future research and development priorities are also needed on the basis of deficiencies within a design or system thus assessed.

Participation:

The training course is open to up to 25 participants who are regulators and implementers engaged in remediation activities in the European Member States that are party to the project, namely: Azerbaijan, Belarus, Bulgaria, Croatia, Greece, Kazakhstan, Kyrgyzstan, Lithuania, The Former Yugoslav Republic of Macedonia, Romania, Russian Federation, Serbia, Tajikistan, Ukraine and Uzbekistan

Participants' Qualifications:

The targeted audience for this training course is project managers, planners and other senior staff at organizations working on (or eventually to be designated as being responsible for) decommissioning/dismantling and environmental remediation projects (e.g., state or national resource management and regulatory agencies, operators of facilities or sites needing or undergoing large scale cleanup actions, national research organizations.)

In order to facilitate and improve the training activities efficacy an on-line training course on environmental remediation will be made available to training course participants through the IAEA CONNECT platform (<http://connect.iaea.org/sites/connect/Pages/default.aspx>). This training material will cover topics related to remediation works and will enable the training course participants to come to the training course with a broader perspective of the important issues concerning environmental remediation. A basic understanding of some fundamentals of health physics and radioactive waste management is required. An important characteristic of those attending

will be a genuine interest in becoming knowledgeable in the technical area of environmental remediation practice and to become a national and regional resource for their countries. In this regard, participants should be either currently active in the field, or from organizations willing to make that commitment on their behalf, and willing to offer their assistance on a timely basis to others in their region with similar needs.

Participants must be nominated by the competent national authority of the Member State and, most specifically, by the Member States' official counterpart for the project.

**Nomination
Procedure:**

Nominations for the training course 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 should be submitted on the standard IAEA Nomination Form for Training Course Participants (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, Mr. Andrei Chupov, through IAEA Official Fax (+43-1-26007) or E-Mail (Official.Mail@iaea.org), not later than **16 February 2015**. 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 Vienna, Austria and a Daily Subsistence Allowance at the prevailing UN Rate. Shipment of accumulated training course materials to the participants' home countries is not the responsibility of the IAEA.

The organizers of the training course 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 training course, 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.