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International Atomic Energy Agency

Agence internationale de l'énergie atomique

Международное агентство по атомной энергии

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National Liaison Officer

In reply please refer to: C1-INT/9/175/9013/01

Dial directly to extension: (+431) 2600-

2014-10-15

Subject: Invitation to the Interregional Workshop on Groundwater Pollution, Hydrology and Remediation, Vienna, Austria, 15-19 December 2014

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 INT/9/175 - Promoting safe and efficient clean-up of radioactively contaminated facilities and sites. The purpose of the workshop and related information are outlined in the attached Prospectus.

For candidates who are selected by the IAEA, the Agency will cover the cost of return international travel from the home country to Vienna, Austria and provide Daily Subsistence Allowance (DSA) for the duration of the workshop in line with Agency 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, Mr Pavel Yurkin (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 **5 November 2014**.

Yours sincerely,

Manase Peter Salema

Director

Division for Europe

Department of Technical Cooperation

Enclosures: Prospectus

International Atomic Energy Agency

Inter-Regional Workshop on Groundwater Pollution, Hydrology and Remediation

PROSPECTUS

Project Number & Title:	INT/9/175 - Promoting safe and efficient clean-up of radioactively contaminated facilities and sites
Place (City, Country):	Vienna, Austria
Dates:	15 to 19 December 2014
Deadline for Nominations:	5 November 2014
Organizer:	The International Atomic Energy Agency (IAEA)
Host Country Organizer:	Mr Horst Monken-Fernandes Division of Nuclear Fuel Cycle and Waste Technology Department of Nuclear Energy International Atomic Energy Agency Vienna International Centre PO Box 100, 1400 Vienna, Austria Phone: 00 43 1 2600-24673 Email: H.Monken-Fernandes@iaea.org
Language:	English
Purpose:	The objectives of this Workshop include exposing participants to the most relevant groundwater remediation methodologies, teaching them how to collect hydrogeochemical data and select and design remediation systems based on hydrogeological, geochemical and biological effects. In addition, participants will be able to see the use of computers in the simulation of remediation hydrology, groundwater pathways, capture zones, mass transport, natural attenuation, and alternative remediation designs.
Expected Output(s):	The Workshop is intended to allow participants to acquire a comprehensive working knowledge of the concepts, principles and professional practices underlying groundwater remediation.
Scope and Nature:	The workshop scope will cover practical remediation strategies and options, the geological and hydrochemical factors applicable to remedial designs for cleaning up groundwater, field methods to fully characterize aquifers, source zones and plumes to allow selection and design of effective remedial measures and set achievable clean-up levels, selection of remediation systems based on variable hydrogeology, life cycle design, and monitored natural attenuation for dissolved phase and strategic approach to cost effective remedial. Hands-on exercises with computer simulations of flow and mass transport for applications in remediation strategies, design and field investigations will also be covered.

Background Information:	Groundwater contamination is an issue of immense relevance. In some countries strict regulations to protect groundwater quality and to clean up currently polluted aquifers have been passed. Contamination of groundwater can derive from different nuclear activities (from defence and commercial programmes nature), uranium production and operation of NORM industries. Waste disposed in the past in the sub-surface without proper precautions can also be included in the potential sources of groundwater contamination. The magnitude and extent of the problem in some of the IAEA Member States is huge and costs associated with the remediation of these sites can be extremely high.
Participation:	<p>The Workshop is open to 30 participants from the IAEA Member States participating in the technical cooperation project INT/9/175, in particular: Algeria, Argentina, Armenia, Bangladesh, Belarus, Brazil, Bulgaria, Chile Croatia, Czech Republic, Egypt, Estonia, Georgia, Greece, Hungary, Indonesia, Iraq, Jamaica, Jordan, Kazakhstan, Kuwait, Kyrgyzstan, Latvia, Libya, Lithuania, Malawi, Malaysia, Mexico, Moldova, Mongolia, Morocco, Mozambique, Namibia, Niger, Pakistan, People's Republic of China, Peru, Philippines, Poland, Romania, Russian Federation, Saudi Arabia, Serbia, Slovakia, Slovenia, South Africa, Tajikistan, The Former Yugoslav Republic of Macedonia, Uganda, Ukraine, United Arab Emirates, United Republic of Tanzania, Uzbekistan, Vietnam and Zambia.</p> <p>Participants will be selected based upon their qualifications and using a competitive selection basis.</p> <p>The participants should be regulators, project managers, planners and other staff involved in planning and managing decision-making in organizations working on, or eventually to be designated as responsible for, remediation projects (e.g., state or national resource management agencies, operators of facilities or sites needing or undergoing large scale clean-up actions, regulatory bodies and national research organizations).</p>
Participants' Qualifications:	<p>Participants should have the appropriate scientific and/or technical background that will allow them to follow and absorb the various elements that compose the workshop.</p> <p>Participants shall be nominated by the competent national authority of the Member State and, most specifically, by the Member States' official counterpart for the project.</p>
Nomination Procedure:	<p>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, Mr Pavel Yurkin (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 5 November 2014.</p>
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 meeting, 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.