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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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2014-08-22

**Subject:** Invitation to a Regional Workshop on Technology Selection and Deployment in Environmental Remediation Projects, Obninsk, Russian Federation, 10 to 14 November 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 Project RER/9/121 – Supporting Remediation in European Member States. 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 Obninsk, Russian Federation 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 Andrei Chupov (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 8 September 2014.

Yours sincerely,

Manase Peter Salema  
Director  
Division for Europe  
Department of Technical Cooperation

Enclosures: Prospectus

## International Atomic Energy Agency

### Regional Workshop on Technology Selection and Deployment in Environmental Remediation Projects

#### PROSPECTUS

- Project Number & Title:** RER/9/121 – Supporting Remediation in European Member States
- Place (City, Country):** Obninsk, Russian Federation
- Dates:** 10 - 14 November 2014
- Deadline for Nominations:** 8 September 2014
- Organizers:** The International Atomic Energy Agency (IAEA) in collaboration with the Government of the Russian Federation through the Rosatom Central Institute for Continuing Education & Training.
- Host Country Organizer:** Mr Roman Kritskiy  
International Center for NPP Personnel Training  
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- Language:** English
- Purpose:** This workshop will focus on how to select and deploy appropriate technologies to be used in the remediation of radioactively contaminated sites in a structured and tiered manner with a view to provide a systematic process to formulate solutions to problems of different degrees of complexity and to document the rationale for the selected remediation systems.
- Expected Output(s):** The workshop will introduce the participants to the decision process of selecting and deploying technologies to be applied in the remediation of sites affected by radioactive contaminants.
- Scope and Nature:** Several technologies for treating sites contaminated with radioactive materials exist. The effectiveness of these technologies, however, will depend on contaminant and site characteristics, regulatory requirements, and cost limitations. The design, construction, and operation of the most cost-effective and applicable remediation technologies to achieve site remediation need to screen out inappropriate or costly remediation systems and to retain those systems that are best suited to site and contaminant characteristics. It is not uncommon that remediation technologies are selected because they are familiar to a particular implementer or to regulators and not because they are the most applicable or cost-effective ones for a given situation. Therefore this event will present different decision frameworks that can provide a consistent and technically sound approach for selecting appropriate remediation strategies for the clean-up of contaminated sites. This approach is necessary to optimize technology selection based on remediation requirements and other project goals and to document the technology selection process.
- To cover all these aspects the workshop will extend over 5 days and will be oriented towards managers and technical specialists. The format of the event includes lectures,

followed by questions and answers and topical discussions. The participants are expected to take the *on-line e-learning* course on “*Introduction to Environmental Remediation*” available in the workspace of the Network on Environmental Management and Remediation (Environet) in the CONNECT portal that can be reached through the Nucleus platform on the IAEA web-page. Hands-on exercises will be conducted toward the end of the workshop.

**Background Information:**

A large number of radiologically contaminated sites exist in Europe, which could impact the health of the people and environment. As noted at the IAEA conference on remediation (Astana, 2009), many Member States have an urgent need to receive adequate support (e.g. workshop/training) in various remediation aspects.

The IAEA technical cooperation project RER/9/121-Supporting Remediation in European Member States consists of a series of interconnected workshop/training events, which will progressively lead the Member States’ participants to develop/increase their knowledge of remediation elements. Each workshop/training event will build on the previous one, leading to a holistic view of remediation. With the present workshop the participants are expected to gain the necessary insight on the process of technology selection and deployment/operation to address the remediation of sites contaminated by radioactive materials.

The technology selection process involves the consideration of a number of factors, including type of contaminants, site-specific characteristics, clean-up goals, technology feasibility, cost, and regulatory and time requirements. Technology applicability will also depend on the availability of the technology, the implementability of the technology for the specific site conditions, and whether the technology is readily available (i.e. emerging, developing, or proven). Regulatory acceptance must also be considered based on the degree of difficulty that the user anticipates when obtaining a permit from local or state regulatory agencies to implement the technology. Treatment time and cost must also be considered so that technologies that achieve remediation goals at minimum cost and time can be selected. Potential liabilities associated with site contamination and regulatory compliance may also impact the selection of remediation strategies.

**Participation:**

The workshop is open to up to 20 participants who are implementers and regulators engaged in remediation and decommissioning activities in the European Member States that are party to the project.

The target countries are: Azerbaijan, Belarus, Bulgaria, Croatia, Greece, Hungary, Kazakhstan, Kyrgyzstan, Latvia, Lithuania, The Former Yugoslav Republic of Macedonia, Poland, Romania, Russian Federation, Serbia, Slovakia, Tajikistan, Ukraine and Uzbekistan.

**Participants’ Qualifications:**

The participants should be project managers, planners and other staff involved in the planning and management decision-making at 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, and national research organizations.)

It would be desirable if participants have participated in the previous events of the project. An important characteristic of the participants will be a genuine interest in becoming a national and regional resource as well as a facility specific resource for their countries.

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.

**Nomination  
Procedure:**

Nominations for Meeting/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 Meeting/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, Mr Andrei Chupov, through IAEA Official Fax (+43-1-26007) or E-Mail ([Official.Mail@iaea.org](mailto:Official.Mail@iaea.org)), not later than **8 September 2014**. 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 Obninsk, Russian Federation 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.