



Atoms for Peace

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

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2018-04-05

Subject: Invitation to an Interregional Practical Training Course on Environmental Remediation Project Implementation (Pilot on the School of ER), Argonne, USA, 16 – 27 July 2018

Dear National Liaison Officer,

I am pleased to invite you to send nominations of suitable candidates to participate in the above-mentioned training course of TC Project INT9/183 – ‘Overcoming the Barriers to Implementation of Decommissioning and Environmental Remediation Projects’. The purpose of the training course and related information are outlined in the attached Information Sheet.

For candidates who are selected by the IAEA, the IAEA will cover the cost of return international travel from the home country to Argonne, USA 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 Jing Zhang (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 **2 May 2018**.

Yours sincerely,

Jing Zhang
Programme Management Officer
Division for Europe
Department of Technical Cooperation

Enclosure: Information Sheet



Interregional Practical Training Course on Environmental Remediation Project Implementation (Pilot on the School of ER)

Hosted by

The Government of the United States of America

Through the Argonne National Laboratory (ANL)

Argonne, USA

16 – 27 July 2018

Ref. No.: INT9183

Information Sheet

A. Purpose

The purpose 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 **Development and Implementation of Conceptual Site Models (CSM)** and to support environmental remediation of legacy sites and the clean-up of facilities in the scope of site release from regulatory control. A subsidiary objective of this training course is to serve as a pilot for the **School of ER** that is being planned to enhance capacity building mechanisms aimed at providing IAEA Member States with qualified personnel in both implementation and regulatory areas related to site remediation/clean-up.

The training course will enable the participants to understand the fundamentals of developing and using a CSM, a crucial tool to support planning and management of any remediation/clean-up project. CSMs are constructed to conceptualize the fate and transport of pollutants and establish remediation priorities from a risk perspective. They also are used to support a number of project management activities, including cost estimation, data management and analysis, and stakeholder engagement. This training course will contribute to enhance participants skills and performance in project management (including the planning and implementation stages).

B. Working Language(s)

The working language(s) of the event will be English.

C. Deadline for Nominations

Nominations received after **02 May 2018** will not be considered

D. Scope and Nature

The training course will take place over a two-week period, providing:

- Lectures to be delivered by highly experienced professionals – but also with skills in teaching – on key topics related to CSM including: Site definition and background information; Sources of contamination and contaminants of potential concern, Sensitive receptors, Migration pathways and exposure routes (leaching of contaminants through the soil profile to groundwater; downward migration from one groundwater aquifer to another; transport of contaminants via groundwater to surface water; transport of contaminants via surface water; exhalation from soil our source materials e.g. wastes; transport of contaminants by mechanical disturbance (e.g. earthworks), and bio magnification along food chains).
- Interactive exercises to allow course participants to put in practice the key concepts, methods and tools they have been exposed to.

The training course will be supported by a wide range of IAEA Safety Standards and NE-Series Reports in addition to specialized technical and scientific publications in addition to materials to be provided by the lecturers. The training Modules will be presented using a format based on the proven learning sequence of lecture-, video- and field-observation and discussion. In addition, where applicable, IAEA resource documents such as guides, standards and technical reports will be used to support the lectures. The training course will provide overarching introductory lectures on:

- Policies and Strategies on ER and relevant Regulatory Framework;
- Site characterization, sampling, and analysis;
- Stakeholder involvement and risk communication in the scope of decision-making;
- Basic principles of project planning/management, and decision-making;
- Data management
- Overview of proven and emerging technologies for environmental remediation
- Site closure and long term stewardship

In addition, the training course will provide participants with details on IAEA networking opportunities, e.g. via the Environmental Management and Remediation Network (ENVIRONET) and other relevant networks their resources, and opportunities for assisting them.

It is anticipated that the course instructors will include staff from US and international organisations with large experience in the field of site remediation/clean-up.

E. Participation

The training course is open up to 20 candidates involved in ensuring successful implementation of D&ER projects in their country. This includes regulatory decision-makers, project-level decision makers, and project implementers/managers. The training course will be valuable to individuals already working in these positions, as well as to individuals with potential to mature into these positions.

The target Member States are: Algeria, Argentina, Armenia, Azerbaijan, Bangladesh, Belarus, Brazil, Bulgaria, Chile, China, Croatia, Cuba, Czech Republic, Egypt, Estonia, Georgia, Greece, Hungary, Indonesia, Iraq, Jamaica, Jordan, Kazakhstan, Kyrgyzstan, Kuwait, Latvia, Libya, Lithuania, Malawi, Malaysia, Mexico, Moldova, Mongolia, Morocco, Mozambique, Namibia, Niger, Pakistan, 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, United States of America, Uzbekistan, Vietnam, and Zambia.

F. Participants' Qualifications and Experience

The targeted audience for this training course are project managers, planners and other senior staff at organizations working on (or eventually to be designated as being responsible for) remediation or clean-up of environmental contamination. This could include state or national resource management and regulatory agencies, operators of facilities or sites needing or undergoing large scale clean-up actions, national research organizations.

In order to facilitate and improve the training activities efficacy an on-line training course on environmental remediation and decommissioning will be made available to meeting participants through the IAEA CONNECT platform. This training material covers topics related to remediation and decommissioning and will enable the meeting participants to come to the training course with a broader perspective of the important issues in both areas. While this material will help the participants to cope with some basic information on topics that will be addressed in the training course, it will still be necessary that meeting participants should have familiarity with D&ER elements. A basic understanding of some fundamentals of health physics and radioactive waste management is necessary. An important characteristic of those attending will be a genuine interest in becoming knowledgeable in the technical area of remediation/clean-up of environmental contamination, and to become a national and regional resource as well as a facility-specific 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 will be required to bring a problem set from their home institution related to an environmentally contaminated site that may require remediation or cleanup. This problem set will be the basis for individual-based assignments that will augment group exercises and underscore the significance of the training materials in practical applications. More specific information about this requirement will be provided in advance of the training course.

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.

G. Application Procedure

Candidates wishing to apply for this event should follow the steps below:-

1. Access the IAEA TALEO page (<https://iaea.taleo.net/>) and complete the Candidate Profile.
2. Be registered on the Nucleus page of the IAEA (<https://nucleus.iaea.org/>).
3. Through Nucleus, access the InTouch+ platform where the Profile is completed (My Profile tab) (<https://nucleus.iaea.org/Pages/InTouchPlus.aspx>).
NOTE: The email used for TALEO and Nucleus must be the same. If not, the candidate's profile will not appear complete.
4. On the InTouch + platform, under the 'My InTouch +' tab, the candidate needs to:
 - a. select the institute / organization that he/she works at / represents ('My Institute' section);
 - b. click on the link called '**Refresh Personal History Form**' to update the system, *otherwise the nominations submitted will have these fields empty and it will not be possible to evaluate them during the selection of candidates* ('IAEA Recruitment Platform' section).

NOTE: Once the above steps are finalized, the candidate's profile will appear as completed and he/she can apply for Technical Cooperation events.

5. In the InTouch+ platform (<https://Intouchplus.iaea.org>), in the 'Applications' tab, search by the event number provided in the invitation.

The help for each step is located at the top of the page. For additional help on how to register, create a profile and apply for an event, please refer to the online guide and training videos available under the following links: [how-to guide](#) and [training videos](#). Any issues or queries related to the new system can be addressed to InTouchPlus.Contact-Point@iaea.org or TC-AIPS-PL4.Contact-point@iaea.org.

Should this not be possible, applicants may download the Nomination Form for the ME from the IAEA website <https://www.iaea.org/services/technical-cooperation-programme/how-to-participate>.

Applications should contain sufficient information to establish that the nominees have the required qualifications. Completed applications need to be endorsed by the relevant national authority, i.e. the National Liaison Office and submitted through the established official channels.

E. Administrative and Financial Arrangements

Nominating authorities will be informed in due course of the names of the candidates who have been selected, and will at that time be informed of the procedure to be followed with regard to administrative and financial matters.

Selected participants will receive an allowance from the IAEA sufficient to cover their costs of lodging, daily subsistence and miscellaneous expenses. They will also receive either a round-trip air ticket based on the most direct and economical route between the airport nearest their residence and the airport nearest the duty station through the IAEA's travel agency American Express, or a travel grant, or they will be reimbursed travel by car/bus/train in accordance with IAEA rules for non-staff travel.

F. Disclaimer of Liability

The organizers of the 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 course, and it is clearly understood that each Government, in approving his/her participation, undertakes responsibility for such coverage. Governments would be well advised to take out insurance against these risks.

G. Note for female participants:

Any woman engaged by the IAEA for work or training should notify the IAEA on becoming aware that she is pregnant.

The Board of Governors of the IAEA approved new International Basic Safety Standards for Protection against Ionizing Radiation and for the Safety of Radiation Sources. The Standards deal specifically with the occupational exposure conditions of female workers by requiring, inter alia, that a female worker should, on becoming aware that she is pregnant, notify her employer in order that her working conditions may be modified, if necessary. This notification shall not be considered a reason to exclude her from work; however, her working conditions, with respect to occupational exposure shall be adapted with a view to ensuring that her embryo or foetus be afforded the same broad level of protection as required for members of the public.

H. Organization

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Subsequent correspondence on scientific matters should be sent to the Programme Management Officer and correspondence on other matters related to the meeting to the Administrative Contact.