



Átomos para la paz y el desarrollo

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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La Secretaría del Organismo Internacional de Energía Atómica (OIEA) saluda a los Estados Miembros del OIEA y tiene el honor de señalar a su atención la celebración del **Curso de Capacitación sobre Teoría y Aplicación Práctica de RESRAD-BIOTA, RESRAD-ONSITE y RESRAD-OFFSITE para la Determinación de la Dosis, el Riesgo y los Límites Autorizados en Emplazamientos con Contaminación Radiactiva** (denominado en adelante el “evento”), que tendrá lugar de forma virtual mediante Zoom para el Gobierno del **25 de octubre al 5 de noviembre de 2021**.

La finalidad del evento es promover el estudio de impacto ambiental radiológico y la optimización de las opciones de rehabilitación en emplazamientos contaminados. Constará de conferencias, ejercicios prácticos y sesiones de debate sobre los siguientes temas principales: evaluación de la dosis radiológica y del riesgo, concentración y transferencia de radionucleidos en el medio ambiente, límites de las dosis de radiación pertinentes y directrices aplicables, y la aplicación práctica de la familia RESRAD de códigos (RESRAD-BIOTA, RESRAD-ONSITE y RESRAD-OFFSITE) para la estimación de las dosis de radiación y los riesgos derivados de los materiales radiactivos residuales.

En la reseña informativa adjunta se ofrecen más detalles sobre el evento.

El evento se celebrará en inglés.

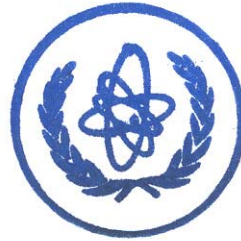
Se invita a los Estados Miembros a designar a una o más personas para que participen en este evento en representación de su Gobierno y se los alienta encarecidamente a que seleccionen con ese fin a mujeres calificadas.

Las designaciones deben presentarse al OIEA por conducto de la autoridad nacional competente (el Ministerio de Relaciones Exteriores, la Misión Permanente ante el OIEA o la Autoridad Nacional de Energía Atómica), a más tardar el **23 de agosto de 2021**, por medio del formulario de participación adjunto (Formulario A). Los formularios de participación debidamente cumplimentados y autorizados deben enviarse por correo electrónico a la dirección Official.Mail@iaea.org o por fax al número: +43 1 26007 (no se precisan copias impresas). Asimismo, han de enviarse copias por correo electrónico a la Secretaria Científica del evento, Sra. Andra-Rada Harbottle, Laboratorios del OIEA para el Medio Ambiente, Departamento de Ciencias y Aplicaciones Nucleares (correo electrónico: A.Jurian@iaea.org), y a la Secretaria Administrativa, Sra. Barbara Massinger (correo electrónico: B.Massinger@iaea.org). Una vez recibidas las designaciones oficiales, la Secretaria Científica del evento contactará directamente a los participantes en relación con otras cuestiones de organización, según proceda.

El OIEA no se hace responsable de virus informáticos, gusanos, troyanos, puertas traseras, temporizadores, relojes, contadores o cualquier otra rutina, instrucción o diseño que limiten el funcionamiento, u otro código no solicitado malicioso, ilícito o similar, incluidos programas de vigilancia o rutinas que puedan permitir a cualquier persona el acceso, que estén diseñados con ese fin,

o que accedan por iniciativa propia, con el objetivo de borrar, o dañar o modificar de cualquier otro modo datos o sistemas, servidores, instalaciones u otra infraestructura del usuario final (colectivamente, “código inhabilitante”). Asimismo, el proveedor de los servicios para la reunión virtual ha asegurado y garantizado que los Servicios no contendrán, ni ningún usuario final recibirá del programa informático empleado para celebrar la reunión virtual, ninguno de estos códigos inhabilitantes.

La Secretaría del Organismo Internacional de Energía Atómica aprovecha esta oportunidad para reiterar a los Estados Miembros del OIEA el testimonio de su distinguida consideración.



6 de agosto de 2021

Documentación adjunta (en inglés únicamente):

Reseña informativa

Formulario de participación (Formulario A)



IAEA

International Atomic Energy Agency

Atoms for Peace and Development

Training Course on the Theory and Practical Application of RESRAD-BIOTA, RESRAD-ONSITE and RESRAD-OFFSITE for the Determination of Dose, Risk and Authorized Limits at Radioactively Contaminated Sites

Virtual Event

Hosted by the
International Atomic Energy Agency

in cooperation with

Argonne National Laboratory

25 October–5 November 2021

Ref. No.: EVT2101954

Information Sheet

Introduction

Human activities involving the use of radiation and radioactive substances can cause radiation exposure to the public and the environment. The radiological impact assessment of radioactive releases to the environment and the public should be performed regularly and supported by computer models, including for example the RESRAD family of codes (e.g. RESRAD-BIOTA, RESRAD-ONSITE, RESRAD-OFFSITE codes).

Objectives

Participants from the invited Member States of the International Atomic Energy Agency (IAEA) will be provided with practical training on the applicability and use of dose and risk models in the RESRAD family of codes (RESRAD-BIOTA, RESRAD-ONSITE, RESRAD-OFFSITE) for assessing potential human and biota radiation exposures at radioactively contaminated sites and for demonstrating compliance with radiation safety standards. RESRAD is a computer model that estimates radiation doses and risks from residual radioactive materials. The course will consist of lectures on the principles of radioecological risk assessment, an overview of RESRAD codes (e.g., RESRAD-BIOTA, RESRAD-ONSITE and RESRAD-OFFSITE) and their applicability, as well as hands-on exercises for these codes.

Target Audience

The virtual training course is intended for specialists with proven experience in radioecology, radiobiology and/or radiation protection of humans and non-human species. Furthermore, participants should have higher education in a field relevant to the above, and they should be professionals working for governmental authorities or supporting organizations involved in radiological environmental impact assessment and radiation monitoring programmes.

Working Language

English

Expected Outputs

The course will enable the participants to learn about dose estimation models, such as RESRAD codes, which they can apply and further disseminate in their home countries to ensure the protection of people and the environment at radiologically contaminated sites, and to ensure compliance with regulatory requirements.

Topics

This training is designed to provide knowledge on the basics and applications of RESRAD-BIOTA, RESRAD-ONSITE and RESRAD-OFFSITE codes for the evaluation of radiation exposure to human and nonhuman biota. It will consist of lectures, practical exercises, and discussion sessions on the following main topics:

- radiological dose and risk assessment,
- concentration and transfer of radionuclides in the environment,
- relevant radiation dose limits and guidelines, and
- the practical application of RESRAD family of codes (RESRAD-BIOTA, RESRAD-ONSITE, RESRAD-OFFSITE) for the estimation of radiation doses and risks from residual radioactive materials.

Participation and Registration

All persons wishing to participate in the event have to be designated by an IAEA Member State or should be members of organizations that have been invited to attend.

In order to be designated by an IAEA Member State, participants are requested to send the **Participation Form (Form A)** to their competent national authority (e.g., Ministry of Foreign Affairs, Permanent Mission to the IAEA or National Atomic Energy Authority) for onward transmission to the IAEA by **23 August 2021**. Participants who are members of an organization invited to attend are requested to send the Participation Form (Form A) through their organization to the IAEA by above deadline.

Selected participants will be informed in due course on the procedures to be followed with regard to administrative and technical matters. No registration fee is charged to participants. Attendance to this training does not require travel. Selected candidates will attend the virtual event from their offices or other appropriate space in their hometowns and countries. The IAEA and Argonne are not in a position to bear any costs of participants that may arise out of the web-based training, such as computer equipment.

Participants are hereby informed that the personal data they submit will be processed in line with the [Agency's Personal Data and Privacy Policy](#) and is collected solely for the purpose(s) of reviewing and assessing the application and to complete logistical arrangements where required. Further information can be found in the [Data Processing Notice](#) concerning IAEA InTouch+ platform.

Additional Information

The event will be conducted over a two-week period for four hours per day through web-based facilities virtually (Online) and coordinated jointly between the Argonne National Laboratory and the IAEA. Selected participants will be informed in due course on the procedures to be followed regarding the communication platform that will be used and other information needed for the online sessions.

Additional Requirements

Due to practical limitations, the number of participants will be limited to a maximum of thirty-five.

Participants should have a computer and a stable internet connection to be able to take part in the course.

Daily attendance will be required and monitored along with submission of requested evaluations and completion of assignments in order to receive a course certificate.

Disclaimer of Liability

The IAEA and Argonne National Laboratory take no responsibility for, and the provider of the virtual meeting services has represented and warranted that the Services shall not contain, and that no end user shall receive from the software used to hold the virtual meeting, any virus, worm, trap door, back door, timer, clock, counter or other limiting routine, instruction or design, or other malicious, illicit or similar unrequested code, including surveillance software or routines which may, or is designed to, permit access by any person, or on its own, to erase, or otherwise harm or modify any data or any system, server, facility or other infrastructure of any end user (collectively, a “Disabling Code”).

IAEA Contacts

Scientific Secretary

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Administrative Secretary

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Subsequent correspondence on scientific matters should be sent to the Scientific Secretary and correspondence on other matters related to the event to the Administrative Secretary.

Participation Form

Training Course on the Theory and Practical Application of RESRAD-BIOTA, RESRAD-ONSITE and RESRAD-OFFSITE for the Determination of Dose, Risk and Authorized Limits at Radioactively Contaminated Sites

Virtual Event

25 October–5 November 2021

To be completed by the participant and sent to the competent national authority (e.g. Ministry of Foreign Affairs, Permanent Mission to the IAEA, or National Atomic Energy Authority) of his/her country for subsequent transmission to the International Atomic Energy Agency (IAEA) either by email to: Official.Mail@iaea.org or by fax to: +43 1 26007 (no hard copies needed). Please also send a copy by email to the Scientific Secretary A.Iurian@iaea.org and to the Administrative Secretary B.Massinger@iaea.org.

Deadline for receipt by IAEA through official channels: 23 August 2021

Family name(s): (same as in passport)	First name(s): (same as in passport)	Mr/Ms
Institution:		
Full address:		
Tel. (Fax):		
Email:		
Nationality:	Representing following Member State/non-Member State/entity or invited organization:	

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