



Second Training Workshop on Methods for Radiological and Environmental Impact Assessment (MEREIA)

Virtual Event

7–11 April 2025

Ref. No.: EVT2404526

Information Sheet

Introduction

The IAEA's programme on Methods for Radiological and Environmental Impact Assessment (MEREIA) ¹ was established in 2021 and follows in the footsteps of other IAEA programmes on radiological environmental transfer modelling and impact assessment addressing protection of people and the environment². Over many years, these IAEA programmes have provided a platform for the exchange of information on approaches, methodologies, models and data for radiological environmental impact assessment (REIA), contributing to capacity building and knowledge management in the field.

Within the MEREIA programme, capacity building and knowledge management are emphasized, with a dedicated agenda for developing young and early career professionals, as well as supporting IAEA Member States in building expertise in this field. As part of the activities dedicated to young and early career professionals, a series of webinars covering basic and special topics related to radiological and environmental impact assessment have been offered. In May 2024, a practical Training Workshop was conducted on approaches and methods for radiological environmental impact assessment to provide hands-on guidance in an interactive setting. This event marks the second edition of this training. While

¹ <https://gnsn.iaea.org/main/MEREIA/Pages/About-MEREIA.aspx>

² Such as VAMP (Validation of Model Predictions, 1988–1996) and BIOMASS (BIOSphere Modelling and ASSESSment, 1996–2001), EMRAS I (Environmental Modelling for RAdiation Safety, 2003–2007 <https://www-ns.iaea.org/projects/emras/>) and EMRAS II (2009–2011 <https://www-ns.iaea.org/projects/emras/emras2/>), MODARIA I (Modelling and Data for Radiological Impact Assessments, 2012–2015 <https://www-ns.iaea.org/projects/modaria/default.asp?s=8&l=118>) MODARIA II (2016–2019 <https://www-ns.iaea.org/projects/modaria/modaria2.asp?s=8&l=129>).

the first edition centred on a case study involving routine discharges of a nuclear power plant, the second edition will guide participants through the steps involved in performing an assessment of the expected radiological impacts of the ongoing operation of a uranium ore processing facility.

Objectives

The specific objectives for this event are:

- To provide participants with practical experience in applying IAEA guidance on REIA to a specific scenario based on real-world conditions.
- To offer the opportunity for participants to carry out a dose assessment for human for a specific scenario and to apply methods and parameters in a practical setting.
- To enable participants to perform the full range of calculations required to estimate doses to the public, ensuring a thorough understanding of the methodologies involved.
- To offer guidance on the evaluation of the results obtained and their application in different assessment contexts (e.g. performing a prospective assessment to communicate with the interested parties, comparison with dose constraints during operation, etc.).

As part of the training, the NORMALYSA tool will be introduced and utilized to conduct REIA, providing participants with hands-on experience in applying the tool to a specific scenario based on real world conditions.

Target Audience

The event is intended for young and early career professionals and those developing expertise in the technical areas included within the MEREIA programme. This includes officials from regulatory bodies, operating organizations, technical support organizations, scientists, researchers, decision makers and others with responsibilities in such areas as radiological and environmental impact assessment; the development and application of environmental models; characterization and monitoring; the interpretation and communication of model predictions; and the use of environmental monitoring data to support the assessment of radiological impacts for planned, existing or emergency exposure situations. Participants from Member States who are participating in the MEREIA programme, young professionals and women are encouraged to attend.

Working Language(s)

English

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 or invited organization, participants are requested to submit their application via the InTouch+ platform (<https://intouchplus.iaea.org>) to the competent national authority (Ministry of Foreign Affairs, Permanent Mission to the IAEA or National Atomic Energy Authority) or organization for onward transmission to the IAEA by **24 March 2025**, following the registration procedure in InTouch+:

1. Access the InTouch+ platform (<https://intouchplus.iaea.org>):
 - Persons with an existing NUCLEUS account can sign in to the platform with their username and password;
 - Persons without an existing NUCLEUS account can register [here](#).
2. Once signed in, prospective participants can use the InTouch+ platform to:
 - Complete or update their personal details under ‘Complete Profile’ and upload the relevant supporting documents;
 - Search for the relevant event under the ‘My Eligible Events’ tab;
 - Select the Member State or invited organization they want to represent from the drop-down menu entitled ‘Designating Authority’ (if an invited organization is not listed, please contact InTouchPlus.Contact-Point@iaea.org);
 - Based on the data input, the InTouch+ platform will automatically generate the Participation Form (Form A);
 - Submit their application.

Once submitted through the InTouch+ platform, the application, together with the auto-generated form(s), will be transmitted automatically to the required authority for approval. If approved, the application, together with the applicable form(s), will automatically be sent to the IAEA through the online platform.

NOTE: The deadline for the receipt of fully approved applications is **24 March 2025**, after which no further applications will be possible or accepted.

For additional information on how to apply for an event, please refer to the [InTouch+ Help](#) page. Any other issues or queries related to InTouch+ can be sent to InTouchPlus.Contact-Point@iaea.org.

Selected participants will be informed in due course on the procedures to be followed with regard to administrative and financial matters.

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. The IAEA may also use the contact details of Applicants to inform them of the IAEA’s scientific and technical publications, or the latest employment opportunities and current open vacancies at the IAEA. These secondary purposes are consistent with the IAEA’s mandate. Further information can be found in the [Data Processing Notice](#) concerning the IAEA InTouch+ platform.

Additional Information

The Training Workshop will be organized as a fully virtual event and will be held 12:00–16:00 CET each day, allowing for a 1 hour Q&A session before closing.

Moreover, participants will be expected to complete some pre-event preparation and home-learning. Additionally, there will be daily exercises to complete outside of the virtual plenary and group sessions.

Organization

Scientific Secretary

Ms Joanne Brown

Division of Radiation, Transport and Waste Safety
Department of Nuclear Safety and Security
International Atomic Energy Agency
Vienna International Centre
PO Box 100
1400 VIENNA
AUSTRIA

Tel.: +43 1 2600 22854

Fax: +43 1 26007

Email: J.Brown@iaea.org

Administrative Secretary

Ms Claire Halsall

Division of Radiation, Transport and Waste Safety
Department of Nuclear Safety and Security
International Atomic Energy Agency
Vienna International Centre
PO Box 100
1400 VIENNA
AUSTRIA

Tel.: +43 1 2600 22692

Fax: +43 1 26007

Email: C.Halsall@iaea.org

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