



Atoms for Peace and Development

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国际原子能机构

International Atomic Energy Agency

Agence internationale de l'énergie atomique

Международное агентство по атомной энергии

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The Secretariat of the International Atomic Energy Agency (IAEA) presents its compliments to the IAEA's Member States and has the honour to draw their attention to the **Technical Meeting on the Application of Generic Models for Use in Assessing the Impact of Discharges of Radioactive Substances to the Environment** (hereinafter referred to as "event") to be held virtually via Cisco Webex from **1 to 12 November 2021**.

The purpose of the event is to provide the participants with information on the updated IAEA methodologies on dose assessment for planned exposure situations to ensure protection of the public and the environment.

The attached Information Sheet provides further details of the event.

The event will be held in English.

Member States are invited to designate one or more participants to represent the Government at this event. Member States are strongly encouraged to identify suitable women participants.

Designations should be submitted to the IAEA through the competent national authority (Ministry of Foreign Affairs, Permanent Mission to the IAEA or National Atomic Energy Authority) not later than **6 September 2021** using the attached Participation Form (Form A). Completed and authorized Participation Forms should be sent either by email to: Official.Mail@iaea.org or by fax to: +43 1 26007 (no hard copies needed). Copies should be sent by email to the Scientific Secretary of the event, Ms Tamara Yankovich, Division of Radiation, Transport and Waste Safety, Department of Nuclear Safety and Security (Email: T.Yankovich@iaea.org), and to the Administrative Secretary, Ms Claire Halsall (Email: C.Halsall@iaea.org). The Scientific Secretary of the event will liaise with the participants directly concerning further arrangements, as appropriate, once the official designations have been received.

The IAEA takes 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").

The Secretariat of the International Atomic Energy Agency avails itself of this opportunity to renew to the IAEA's Member States the assurances of its highest consideration.



2021-04-06

Enclosures: Information Sheet

Participation Form (Form A)



Technical Meeting on the Application of Generic Models for Use in Assessing the Impact of Discharges of Radioactive Substances to the Environment

Virtual Event

1–12 November 2021

Ref. No.: EVT1804519

Information Sheet

Introduction

The International Atomic Energy Agency (IAEA) Safety Fundamentals publication Fundamental Safety Principles (IAEA Safety Standards Series No. SF-1, Vienna, 2006) states that “People and the environment, present and future, must be protected against radiation risks. Radiation risks may transcend national borders and may persist for long periods of time. The possible consequences, now and in the future, of current actions have to be taken into account in judging the adequacy of measures to control radiation risks.” This emphasizes the importance of prospective assessment of radiological impacts to proactively prevent significant adverse effects through proper planning of facilities and activities. In the case of planned exposure situations, the authorized discharge of radionuclides to the atmosphere and surface water environments is a legitimate practice in hospitals, research facilities, nuclear power plants, and for other facilities and activities. For such practices, prospective assessment of public exposure and environmental impacts from radioactive discharges is an essential regulatory requirement. This includes the assessment of radiological doses received by members of the public (the representative person) and by wildlife (reference animals and plants), which forms a basis for authorization of radioactive discharges. An updated methodology (superseding Generic Models for Use in Assessing the Impact of Discharges of Radioactive Substances to the Environment (Safety Report Series No. 19)) for the integrated assessment of doses received by the public and by wildlife has been developed, which can be used to ensure and demonstrate protection of the public and the environment from the harmful effects

of ionizing radiation. An important next step in the implementation of this methodology is to demonstrate how it can be applied by Member States in the planning, design and operation of facilities and activities. This can be accomplished through the systematic compilation of scenarios covering a range of facilities and activities and the demonstration of how these may be assessed for potential radiological impacts.

Objectives

The purpose of the event is to provide the participants with information on the updated IAEA methodologies on dose assessment for planned exposure situations to ensure protection of the public and the environment. The specific objectives of the event are: to provide an overview of the updated methodology for the integrated assessment of doses received by the public and by wildlife that has been developed by the IAEA; to discuss how this methodology could be implemented by Member States; to capture the relevant experiences of Member States in conducting dose assessment for planned facilities and activities; and to present scenarios to demonstrate how the methodology could be applied by Member States for a range of planned facilities and activities. The participants will be provided with a copy of the new methodology and the materials to be used as input to the discussions in advance of the event.

Target Audience

The event is intended for representatives from regulatory bodies and operating organizations who review and/or conduct assessments; and decision-makers and others responsible for environmental impact assessment, dose assessment, protection of the public and/or protection of the environment in relation to planned exposure situations.

Working Language(s)

English.

Structure

The virtual event is expected to consist of one session per day lasting from 2.5 to 3.0 hours, the exact timing of which will be arranged to best accommodate the location time zones of designated participants. The exact details regarding the times of the daily sessions will be communicated to participants closer to the event.

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 **6 September 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.

Additional Requirements

In order to maximize the benefit of the daily sessions during the virtual event, it is expected that the designated participants will have read the reports describing the new methodology and the materials to be used as input to the discussions in advance of the event.

IAEA Contacts

Scientific Secretary:

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

Participation Form

Technical Meeting on the Application of Generic Models for Use in Assessing the Impact of Discharges of Radioactive Substances to the Environment

Virtual Event

1–12 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 T.Yankovich@iaea.org and to the Administrative Secretary C.Halsall@iaea.org.

Participants who are members of an invited organization can submit this form to their organization for subsequent transmission to the IAEA.

Deadline for receipt by IAEA through official channels: 6 September 2021

Family name: (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:	