



IAEA

International Atomic Energy Agency

Atoms for Peace and Development

Technical Meeting on the Optimization of Protection of Small Modular Reactors in Relation to External Events

IAEA Headquarters, Vienna, Austria

6–9 May 2025

Ref. No.: EVT2404534

Information Sheet

Introduction

Amidst the significant surge in expectations for Small Modular Reactors (SMRs), the IAEA is undertaking cross-departmental initiatives, including the Nuclear Harmonization and Standardization Initiative (NHSI) and the SMR Platform Implementation Team (SMR-PIT). The External Event Safety Section (EESS) within the Division of Nuclear Installation Safety (NSNI) is responsible for efforts related to the safety of nuclear installations against external events, formulating IAEA Safety Standards, conducting Site and External Events Design (SEED) Review Missions, and providing other services to Member States through the Extrabudgetary Programme (EESS-EBP). Within this framework, the IAEA is developing documents related to the siting and design of SMRs. In this event, discussions will focus on key items considered to be the most relevant safety issues for SMR deployment in relation to external events, including the optimization of site evaluation.

The event will cover three main topics: the latest status of SMR designs related to external events, the development of IAEA technical documents considering SMR designs and external events, and the feedback from SMR deployment programs in embarking Member States including the effectiveness of the IAEA SEED missions already implemented.

In the first topic, presentations by SMR designers will be provided on design aspects relevant to the protection against external hazards. Special emphasis will be given to the impact that the SMR specific safety features can play in the optimization of site investigation and hazard assessment phases, including the application of the “bounding site” concept.

The second topic will cover the presentation of IAEA Standards Series and other supporting technical publications targeting SMRs, followed by discussions on feedback by Member States. In particular, three draft documents will be discussed: the "Handbook for Site Survey and Site Evaluation for Nuclear Installations", the "Safety Report on the Application of Graded Approach for Site Evaluation of Nuclear Installations including Small Modular Reactors", and the "TECDOC on Siting and Design Aspects of SMRs in Relation to External Hazards: Special Issues in the Application of Safety Standards".

The third topic addresses the introduction of good practices related to SMR deployment in Member States. In addition to presentations of actual activities by Member States, good practices from SEED Review Missions conducted by the IAEA will also be shared.

Objectives

The objectives of the event are:

- Share information of actual examples of SMRs design in relation to external events to support the discussion on the potential optimization of site investigation and hazard development for SMR sites;
- Share information on the progress of IAEA activities regarding SMR siting and design to further enhance the content of recently drafted IAEA technical documents by incorporating recent practice and opinions of Member States;
- Share good practices in siting and design approaches suitable for deployment of SMRs, to improve effectiveness in the new programs at embarking Member States, building on successful case studies.

Target Audience

The target audience is represented by Member States with an established nuclear programme, and countries at an advanced stage of embarking on nuclear power programmes, especially with SMR reactors.

The event would like to collect the experience and feedback of all stakeholders of new nuclear programs, namely: Regulators, Utilities, TSOs and Consultants, to guarantee a multi faceted contribution and the development of useful IAEA Guidelines for all categories of stakeholders.

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 **28 February 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);
 - If applicable, indicate whether financial support is requested and complete the relevant information (this is not applicable to participants from invited organizations);
 - Based on the data input, the InTouch+ platform will automatically generate the Participation Form (Form A) and/or the Grant Application Form (Form C);
 - 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 application for financial support should be made, together with the submission of the application, by **28 February 2025**.

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.

Expenditures and Grants

No registration fee is charged to participants.

The IAEA is generally not in a position to bear the travel and other costs of participants in the event. The IAEA has, however, limited funds at its disposal to help meet the cost of attendance of certain participants. Upon specific request, such assistance may be offered to normally one participant per country, provided that, in the IAEA's view, the participant will make an important contribution to the event.

The application for financial support should be made using the **Grant Application Form (Form C)** which has to be stamped, signed and submitted by the competent national authority to the IAEA together with the **Participation Form (Form A)** by **28 February 2025**.

Venue

The event will be held at the Vienna International Centre (VIC) where the IAEA's Headquarters are located. Participants must make their own travel and accommodation arrangements.

General information on the VIC and other practical details, such as a list of hotels offering a reduced rate for IAEA participants, are listed on the following IAEA web page:

<https://www.iaea.org/events>.

Participants are advised to arrive at Checkpoint 1/Gate 1 of the VIC one hour before the start of the event on the first day in order to allow for timely registration. Participants will need to present an official photo identification document in order to be admitted to the VIC premises.

Visas

Participants who require a visa to enter Austria should submit the necessary application to the nearest diplomatic or consular representative of Austria at least four weeks before they travel to Austria. Since Austria is a Schengen State, persons requiring a visa will have to apply for a Schengen visa. In States where Austria has no diplomatic mission, visas can be obtained from the consular authority of a Schengen Partner State representing Austria in the country in question.

IAEA Contacts

Scientific Secretary

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Administrative Secretary

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AUSTRIA

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Email: N.Nammari@iaea.org

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

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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, Mr Kazuyuki Nagasawa, Division of Nuclear Installation Safety, Department of Nuclear Safety and Security (Email: K.Nagasawa@iaea.org) and to the Administrative Secretary, Ms Nadia Nammari, (Email: N.Nammari@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: 28 February 2025

Family name(s): (same as in passport)	First name(s): (same as in passport)	Mr/Ms
Institution:		
Full address:		
Tel./Mob.:		
Email:		
Nationality:	Representing following Member State/non-Member State/entity or invited organization:	
If/as applicable:		
Do you intend to hold a presentation?	Yes	No
Title:		

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Family name(s): (same as in passport)	First name(s): (same as in passport)	Mr/Ms:
Mailing address:	Tel.:	
	Fax:	
	Email:	
Date of birth (yyyy/mm/dd):	Nationality:	

1. Education (post-secondary):

Name and place of institution	Field of study	Diploma or Degree	Years attended	
			from	to

2. Recent employment record (starting with your present post):

Name and place of employer/ organization	Title of your position	Type of work	Years attended	
			from	to

3. Description of work performed over the last three years:

4. Institute's/Member State's programme in field of event:

Date: _____ **Signature of applicant:** _____

Date: _____ **Name, signature and stamp of Ministry of Foreign Affairs,
Permanent Mission to the IAEA or National Atomic Energy
Authority**
