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الوكالة الدولية للطاقة الذرية

国际原子能机构

International Atomic Energy Agency

Agence Internationale de l'énergie atomique

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National Liaison Officers /

National Coordinators

2025-10-30

Subject: Interregional Workshop on Safety Demonstration of Small Modular Reactors and other Innovative Reactors, Seoul, Korea, Republic of, from 20 to 24 April 2026

Dear National Liaison Officer / National Coordinator,

I am pleased to inform you, that the International Atomic Energy Agency (IAEA) is organizing the above event under the IAEA technical cooperation project INT2023, "Supporting Member States' Capacity Building on Small Modular Reactors and Micro-reactors and their Technology and Applications as a Contribution of Nuclear Power to the Mitigation of Climate Change".

The purpose of this workshop is to discuss and share experiences in the area of safety demonstration for various types of Small Modular Reactors (SMRs) and other innovative reactors.

The attached Information Sheet provides further details, including technical and administrative aspects of the event. Selection of participants will be in accordance with IAEA procedures. Member States are strongly encouraged to identify women participants.

We would appreciate receiving your country's nominations by **1 December 2025** through the IAEA's InTouch+ platform (<https://Intouchplus.iaea.org>). Please be advised that late nominations or replacements of participants after the closing date for nominations will not be accepted.

We look forward to receiving your early response.

Yours sincerely,

A handwritten signature in black ink, appearing to read 'Jing Zhang', with a stylized flourish at the end.

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

Enclosure: Information Sheet



Interregional Workshop on Safety Demonstration of Small Modular Reactors and other Innovative Reactors

Hosted by

The Government of the Korea, Republic of

through the

Korea Hydro and Nuclear Power Co. Ltd.

Seoul, Korea, Republic of

20 to 24 April 2026

Ref. No.: ME-INT2023-2505061

Information Sheet

Purpose

The purpose of this workshop is to discuss and share experiences in the area of safety demonstration for various types of Small Modular Reactors (SMRs) and other innovative reactors.

Working Language(s)

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

Deadline for Nominations

Nominations received after **1 December 2025** will not be considered.

Project Background

To meet the growing demand for energy and to mitigate global climate challenge, the interest in SMRs and Micro-Reactors (MRs) is growing, especially with regions inaccessible to large electricity grids and regions with smaller electricity grids that need technology options deployed incrementally to closely match increasing energy demand. SMRs and MRs are also viable options for users that need beyond electricity supply, e.g., district heating, desalination, industrial process heat, as well as hydrogen. The purpose of the project is to provide broad support to Member States in the development and deployment of SMRs and MRs. The project provides a broad range of forum to enable effective capacity building through training and technology transfer activities on all aspects of SMR development. The project also covers the emerging MRs, the deployment of SMRs for electric and non-electric applications, and the coupling of such nuclear systems with renewables in integrated energy systems. The aim of the project is to enable national stakeholders to gain enhanced understanding on key characteristics of SMR and MR technologies and their applications, and to formulate, in line with international safety standards, countries' specific legal and regulatory frameworks, and generic user requirements and criteria for SMR technologies.

Scope and Nature

The interregional workshop is planned to foster the exchange of information on approaches, challenges and specific experiences regarding the wide range of aspects related to the safety assessment for the first of a kind technology. In particular, the workshop is planned to comprehensively address the aspects related to Deterministic Safety Analysis (DSA) and Probabilistic Safety Assessment (PSA) in the context of different SMR technologies (e.g. light water cooled SMR, high temperature gas SMR, sodium fast SMR, lead cooled fast SMR, molten salt SMR) and innovative technological solutions (e.g. new fuel concepts, non-water coolants, innovative materials, extensive use of passive safety features).

Special emphasis is planned to be made on practical examples, current practices and challenges in safety demonstration for SMRs and other innovative reactors.

The workshop will address various SMR technologies, such as light water cooled SMR, high temperature gas SMR, sodium fast SMR, lead cooled fast SMR, molten salt SMR. It will include presentations from the participants providing their national experience related to safety demonstration, of SMRs, focusing on the deterministic and probabilistic safety analysis. Invited experts as well as the IAEA staff will present and share their experience, highlighting common challenges and good practices. In addition to relevant IAEA Safety Standards (e.g. [GSR Part 4](#), [SSG-2](#), [SSG-3](#) and [SSG-4](#), [draft Safety Guide DS537](#)), the results of the [IAEA study on the review of applicability](#) of IAEA Safety Standards to Non-Water-Cooled Reactors and Small Modular Reactors will be presented and discussed during the meeting..

Participation

The event is open to up to **30** participants from the following Member States participating in the TC project INT/2/023 project which are operating and/or designing NPPs or are embarking countries in advanced phase of their nuclear program:

Argentina, Armenia, Belarus, Brazil, Bulgaria, China, Croatia, Czech Republic, Egypt, Estonia, Ghana, Hungary, Islamic Republic of Iran, Jordan, Kazakhstan, Kenya, Lithuania, Mexico, Nigeria, Pakistan, Poland, Romania, Saudi Arabia, Slovakia, Slovenia, South Africa, Türkiye, Ukraine, Uzbekistan

At no cost to the IAEA, participants from the following countries can also be considered:

Belgium, Canada, Denmark, Finland, France, Italy, Japan, Republic of Korea, Russian Federation, Spain, United Kingdom, United States of America.

Participants' Qualifications and Experience

The target audience of this workshop are those individuals working in Member States' regulatory bodies, design organizations, operating organizations and research and development institutions who are engaged in safety demonstration for different type of nuclear power plants, including SMRs and other innovative reactors. Practical experience with safety assessment approaches, e.g. deterministic and/or probabilistic safety analysis is essential for detailed discussions and sharing national experiences during the workshop.

Application Procedure

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

1. Access the InTouch+ home page (<https://intouchplus.iaea.org>) using the candidate's existing Nucleus username and password. If the candidate is not a registered Nucleus user, she/he must create a Nucleus account (<https://websso.iaea.org/IM/UserRegistrationPage.aspx>) before proceeding with the event application process below.
2. On the InTouch + platform, the candidate must:
 - a. Finalize or update her/his personal details, provide sufficient information to establish the required qualifications regarding education, language skills and work experience ('Profile' tab) and upload relevant supporting documents;
 - b. Download and complete the [Designation of Beneficiary and Emergency Contact Form](#), and upload to InTouch+ ('Profile' tab under the personal section) specifying the document name. If already provided, kindly discard this step; and
 - c. Search for the relevant technical cooperation event (EVT2505061) under the 'My Eligible Events' tab, answer the mandatory questions and lastly submit the application to the required authority.

NOTE: Completed applications need to be approved by the relevant national authority, i.e. the National Liaison Office, and submitted to the IAEA through the established official channels by the provided designation deadline.

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

Should online application submission not be possible, candidates may download the nomination form for the meeting from the [IAEA website](#).

NOTE: A medical certificate signed by a registered medical practitioner dated not more than four months prior to starting date of the event must be submitted by candidates when applying for a) events with a duration exceeding one month, and/or b) all candidates over the age of 65 regardless of the event duration.

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 AX Travel Management, or a travel allowance, or they will be reimbursed travel by car/bus/train in accordance with IAEA rules for non-staff travel.

Disclaimer of Liability

The organizers of the event 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.

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.

IAEA Contacts

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