



Interregional Workshop on Emergency Preparedness and Response for Nuclear Power Plants, Including SMRs

Hosted by

The Government of Japan

Through the

JAIF International Cooperation Center (JICC)

6 - 10 October 2025

Fukushima, Japan

Ref. No.: ME-INT2024-2500482

Information Sheet

Purpose

The purpose of the event is to discuss and share experiences on developing an adequate capability for the establishment of arrangements to protect the public in the event of an emergency at a nuclear power plant (NPP) and to provide information on the latest IAEA developments in the area of Emergency Preparedness and Response (EPR) for Small Modular Reactors (SMRs).

Working Language

The working language of the event will be English.

Deadline for Nominations

Nominations received after **18 August 2025** will not be considered.

Background Information

The use of nuclear power as a source of energy is increasing globally, with many countries introducing or expanding their nuclear power programmes. Such programmes require a long-term commitment and a national nuclear infrastructure that provides governmental, legal, regulatory, institutional, managerial, technological, human resource, industrial and stakeholder support throughout its life cycle. The adherence to international legal instruments, and the adoption of internationally accepted nuclear safety standards, nuclear security guidance and safeguards requirements are essential in establishing a responsible nuclear power programme. It is each country's sovereign decision whether to include nuclear power in its national energy mix. However, when countries proceed with this option, the IAEA is ready to support them through a variety of activities and services to do so safely, securely and sustainably.

Currently, the IAEA provides nuclear infrastructure development training to its Member States through a number of mechanisms. Through the Technical Cooperation programme, Member States benefit from training at the national, regional and interregional level. The majority of the training provided on the introduction of nuclear power is general in nature and cuts across the 19 infrastructure issues. In this respect, the interregional projects are an important mechanism, delivering support across national and regional boundaries and addressing the common needs of different regions. The interregional approach through INT2024–NPID is then necessary to streamline the IAEA support in this area.

IAEA Nuclear Energy Series No. NG-G-3.1 (Rev. 2), Milestones in the Development of a National Infrastructure for Nuclear Power, first issued in 2007 and updated in 2024, defines three milestones in the development of infrastructure and provides detailed guidance for 19 specific infrastructure issues ranging from a government's national position on nuclear power to the procurement of items and services for the first nuclear power plant. The guidance in that publication is referred to here as 'the Milestones approach'.

The development of the infrastructure for a nuclear power programme includes the establishment of policies and strategies in areas such as human resource development, nuclear fuel cycle and waste management, industrial involvement, and nuclear safety. A legal and regulatory framework that creates an environment enabling the project to be implemented in a transparent and effective manner will also need to be established.

The main focus of the workshop is to provide a clear understanding of EPR for NPPs, including SMRs

Scope and Nature

The interregional workshop will:

- Provide participants with the latest updates on IAEA activities related to EPR for NPPs, including Small SMRs.
- Enable participants to understand key aspects of EPR for Nuclear Power Plants that are applicable to both traditional NPPs and SMRs.
- Help participants recognize specific challenges posed by SMRs and conventional NPPs in the area of EPR.
- Facilitate discussions where participants can share national experiences in developing or adapting existing EPR regulatory frameworks for both NPPs and SMRs.

Provide a platform for participants to exchange experiences in developing on-site or off-site EPR arrangements for both NPPs and SMRs.

References:

The following IAEA publications provide relevant information to Member States:

- INTERNATIONAL ATOMIC ENERGY AGENCY, Preparedness and Response for a Nuclear or Radiological Emergency, IAEA Safety Standards Series No. GSR Part 7, IAEA, Vienna (2015)
- INTERNATIONAL ATOMIC ENERGY AGENCY, Criteria for Use in Preparedness and Response for a Nuclear or Radiological Emergency, IAEA Safety Standard Series No. GSG-2, IAEA, Vienna (2011)
- INTERNATIONAL ATOMIC ENERGY AGENCY, Arrangements for Preparedness and Response for a Nuclear or Radiological Emergency, IAEA Safety Standard Series No. GS-G-2.1, IAEA, Vienna (2007)
- INTERNATIONAL ATOMIC ENERGY AGENCY, Arrangements for the Termination of a Nuclear or Radiological Emergency, IAEA Safety Standard Series No. GSG-11, IAEA, Vienna (2018)
- INTERNATIONAL ATOMIC ENERGY AGENCY, Method for Developing Arrangements for Response to a Nuclear or Radiological Emergency, EPR-METHOD 2003, Vienna (2003)
- INTERNATIONAL ATOMIC ENERGY AGENCY, Operational Intervention Levels for Reactor Emergencies, EPR-NPP-OILs (2017)
- INTERNATIONAL ATOMIC ENERGY AGENCY, Actions to Protect the Public in an Emergency due to Severe Conditions at a Light Water Reactor, EPR-NPP-Public Protective Actions (2013)
- INTERNATIONAL ATOMIC ENERGY AGENCY, Classification, Assessment and Prognosis During Nuclear Power Plant Emergencies, EPR-NPP-CAP (2024)
- INTERNATIONAL ATOMIC ENERGY AGENCY, Considerations on the Development of Protection Strategy for a Nuclear or Radiological Emergency, EPR-Protection Strategy (2020)

Expected Outputs

The expected output of the workshop consists of the following:

- Participants acquired better understanding of the IAEA EPR guidance for NPPs.
- Participants have exchanged experiences in developing, or adapting existing, EPR regulatory frameworks for NPPs including SMRs.
- Participants have exchanged experiences in developing on-site or off-site EPR arrangements for NPPs including SMRs.
- Participants acquired better understanding of the specific challenges posed by SMRs for EPR and how the IAEA is planning to develop new guidance on this area.

Participation

The event is open to up to 25 participants from the following Member States (Phases 1, 2, Exp) participating in the INT2024 project which need assistance to enhance the number and knowledge of staff involved in launching nuclear power programmes, namely:

Algeria, Argentina, Armenia, Brazil, Bulgaria, Czech Republic, El Salvador, Estonia, Ethiopia, Ghana, Hungary, Indonesia, Iran, Iraq, Jamaica, Jordan, Kazakhstan, Kenya, Lithuania, Mexico, Mongolia, Morocco, Nigeria, Pakistan, Philippines, Romania, Rwanda, Senegal, Singapore, Slovakia, Slovenia, South Africa, Sri Lanka, Thailand, Tunisia, Uganda, Zambia

Participants' Qualification and Experience

The target audience of this workshop are staff of the Member States' regulatory bodies, operating organizations, technical support organizations, SMR design organizations and research and development institutions which are engaged in (i) the development or implementation of EPR

regulatory frameworks for NPPs including SMRs, and/or (ii) the development or implementation of on-site or off-site EPR arrangements for NPPs including SMRs.

Practical experience with the determination, sizing or implementation of Emergency Planning Zones (EPZs) or Emergency Planning Distances (EPDs) 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) Search for the relevant technical cooperation event (**EVT2500482**) 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. **All nominations must include a scan of the candidate's first page of passport with photo.**

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 training course 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 American Express, or a travel grant, 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 she/he is travelling to and from or attending the course, and it is clearly understood that each Government, in approving her/his 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.

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