



Interregional Training Course on Funding, Financing and other Economic Aspects in Nuclear Infrastructure Development

Hosted by

The Government of the United States of America

through

Nuclear Energy Institute (NEI)

Washington D.C., United States of America

1-5 December 2025

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Information Sheet

Purpose

The purpose of the event is to train the participants on the costs and benefits of a nuclear power programme.

Working Language

The working language of the event will be **English**.

Deadline for Nominations

Nominations received after **08 September 2025** will not be considered.

Project Background

As a low carbon source of energy, nuclear power is expected to play an increasing role in the energy mix of many countries around the world — for energy security and sustainable development, as well as for addressing environmental concerns. With more countries starting the operation of their first nuclear power plants (NPPs), as well as significant expansion in some countries, total global nuclear capacity is expected to grow despite the expected shutdown of several nuclear power plants in the coming years, with new technologies also expected to contribute in this regard. A nuclear power programme is a major undertaking requiring careful planning, preparation and investment in time, institutions and human resources. Nuclear power requires establishing a sustainable national infrastructure that provides governmental, legal, regulatory, managerial, technological, human resource, industrial and stakeholder support for the nuclear power programme throughout its life cycle. The INT2024 project aims to support participating Member States in creating an enabling environment to facilitate the safe, secure and sustainable introduction or expansion of nuclear power. It is intended to address the common issues identified in many of those Member States. It builds on the lessons learned from three previous four-year interregional projects in this field of activity (INT2013, INT2018 and INT2021) with adaptations to match the needs of the Member States.

Scope and Nature

This training course is planned for five working days and will include a combination of classroom lectures and interactive exercises, and a study tour.

The training course will be conducted as a series of presentations by IAEA staff and international experts. The programme will also include discussions, case studies, peer-to-peer exchange of good practices, and working group sessions on related topical issues. Participants will have the opportunity to engage in roundtable discussions and interactive exercises to discuss common challenges and lessons learned, fostering enhanced networking between Member State participants embarking on new or expanding nuclear power programmes.

References:

The following IAEA publications provide relevant information to Member States that are embarking on the use of nuclear power for the first time and building their national position:

- Milestones in the Development of a National Infrastructure for Nuclear Power (IAEA Nuclear Energy Series No. NG-G-3.1 (Rev. 2), IAEA, Vienna, 2024),
- Responsibilities and Functions of a Nuclear Energy Programme Implementing Organization (IAEA Nuclear Energy Series No. NG-T-3.6 (Rev. 1), IAEA, Vienna, 2019);
- Building a National Position for a New Nuclear Power Programme (IAEA Nuclear Energy Series No. NG-T-3.14, IAEA, Vienna, 2016)
- Managing the Financial Risks Associated with the Financing of New Nuclear Power Plant Projects (IAEA Nuclear Energy Series No. NG-T-4.6, IAEA, Vienna, 2017)
- Financing Nuclear Power in Evolving Electricity Markets (IAEA, Vienna, 2018)
- IAEA Toolkit for Sustainable Energy Planning (IAEA, Vienna, 2024)
- Climate Change and Nuclear Power 2024: Financing Nuclear Energy in Low Carbon Transitions (IAEA, Vienna, 2024)

Expected Outputs

- **Improved Understanding of Nuclear Economics:** Fundamentals of nuclear economics, including the macroeconomic impact of a nuclear power programme, as well as insights into the energy mix, complementarity of energy sources, relative competitiveness, security of supply, and externalities.
- **Comprehensive Knowledge of Developing Nuclear Infrastructure:** Understanding the costs and economics of developing the necessary nuclear infrastructure, including owner/operator preparation costs, training, development costs, construction oversight, and obtaining licenses and permits. The training course will also provide participants with an awareness of the impact of siting criteria, construction schedule and management, standardisation and series effects, procurement, and supply chain on NPP economics.
- **In-depth Insights into NPP Financing:** Knowledge of financing models for nuclear newbuild projects, structuring mechanisms, public financing, guarantees, and innovative sustainable finance. The training course will also provide case studies on successful financing of nuclear projects.
- **Enhanced Understanding of NPP Operation and Decommissioning:** Performance and competitiveness of NPPs, in addition to examining the sustainability of nuclear fuel, nuclear waste management, and decommissioning processes.
- **Roles and Functions of Government and NEPIO:** The roles and functions of the Government and the NEPIO in developing a national position as defined in the IAEA Milestones Approach and the process for developing a national position on nuclear power.
- **Practical Knowledge of Legal, Regulatory, and Operational Aspects:** Insights into the legal and regulatory framework for nuclear projects and understanding of licensing and permitting processes, construction oversight, hard infrastructure, and industrial involvement.
- **Human Capacity Building:** Training and development for human resource requirements, and engagement in interactive exercises to enhance learning.
- **Enhanced Networking and Collaboration:** Opportunities for peer-to-peer exchange of good practices and networking with international experts and participants from other Member States.
- **Engagement in Roundtable Discussions and Interactive Exercises:** Discussions on common challenges and lessons learned in nuclear power programme development. Participation in roundtable sessions on key topics such as financing SMR projects and global challenges to scale up nuclear energy.

The training course will provide participants the opportunity to gain comprehensive knowledge and practical experience in nuclear economics, infrastructure development, financing, and operational aspects, in addition to participating in a site visit and roundtable discussions to foster an environment for enhanced learning and practical examples.

Participation

The training course is open to 25 participants from the following countries:

Algeria, Argentina, Armenia, Bangladesh, Brazil, Bulgaria, Czech Republic, Egypt, El Salvador, Estonia, Ethiopia, Ghana, Hungary, Indonesia, Iraq, Jamaica, Jordan, Kazakhstan, Kenya, Lithuania, Malaysia, Mexico, Mongolia, Morocco, Niger, Nigeria, Philippines, Poland, Romania, Rwanda, Saudi Arabia, Senegal, Serbia, Singapore, Slovakia, Slovenia, South Africa, Sri Lanka, Thailand, Tunisia, Türkiye, Uganda, Uzbekistan, Viet Nam, Zambia.

Participants' Qualifications and Experience

The event is open to participants from Member States that are actively considering, planning or implementing a nuclear power programme for the first time and from Member States considering or expanding their nuclear power capacity. **Prospective participants should be experienced professionals in particular from government departments or NEPIOs in direct contact with decision makers in Government** who are looking for tools and knowledge to build a compelling case for their nuclear power programmes.

Candidates are requested to include a summary of how this training will provide direct benefit to their current or future job position in their application. Individuals who participated in this course or a similar course in the past three years should not apply.

Participants are encouraged to complete the following IAEA E-Learning Module before joining the course:

- **Building a National Position**
https://nucleus.iaea.org/sites/connect-members/cbh/publicpages/E_Learning_Modules/15/Default.htm

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 (EVT2500467) 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.

Training on Basic Security in the Field (BSITF)

In order to comply with UN system-wide security measures, it is required that all training course participants complete the online security awareness training BSAFE (which replaces BSITF and ASITF), prior to traveling to locations where UN security phases are in effect. The aim of these course is to educate participants on how best to avoid or minimize potential dangers and threats, and to demonstrate what individuals can do if they find themselves in insecure situations. The course is available online (<https://training.dss.un.org/course/category/6>).

Once an individual has completed the training, he/she must go back to the main training page to receive the certificate. If the button to get the certificate is not immediately visible, please refresh the page. BSAFE is maintained by UNDSS; in case of problems with the system, please contact UNDSS through the "Contact Us" page on the training website (<https://dss.un.org/dssweb/contactus.aspx>).

This certificate is compulsory for any IAEA-supported activity and should be submitted, along with the Nomination Form, through the competent authority in your country (NLO). Copies of the certificate should be kept by the candidate for his/her records as the BSAFE certificate does not expire.

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 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.

Programme Management Officer

Mr Jing Zhang
Division for Europe
Department of Technical Cooperation
International Atomic Energy Agency
Vienna International Centre
PO Box 100
1400 VIENNA
AUSTRIA
Tel.: +43 1 2600 26540
Fax: +43 1 26007
Email: J.Zhang@iaea.org

Administrative Contact

Ms. Jennifer MacDonald
Division for Europe
Department of Technical Cooperation
International Atomic Energy Agency
Vienna International Centre
PO Box 100
1400 VIENNA
AUSTRIA
Tel.: +43 1 2600 22316
Fax: +43 1 26007
Email: je.macdonald@iaea.org