



Interregional Workshop on Energy Demand Analysis: Member States with small grids considering SMR deployment

Hosted by

Vienna, Austria

27 to 30 April 2026

Ref. No.: ME-INT2025-2506025

Information Sheet

Purpose

The purpose of the event is to present and demonstrate approaches in analysis of energy demand for countries with small(er) power grids that are interested in future deployment of Small Modular Reactors.

Working Language(s)

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

Deadline for Nominations

Nominations received after 4 March 2026 will not be considered.

Project Background

Small modular reactors (SMRs) are advanced nuclear reactors typically designed to generate electric power up to 300 MWe, the structures, systems and components of which can be fabricated in factories and transported to the installation site, shortening construction duration and reducing cost. Clean energy strategy advocates for the deployment of advanced nuclear reactors as a safe, reliable, flexible and competitive power source. SMRs based on different technologies, along with their various applications, are a promising option for near term and future deployment in Member States. The purpose of the project is to provide broad support to build Member States' capacities for development and deployment of SMRs in the context of a clean energy strategy, as a contribution of nuclear power to the global effort for climate change mitigation. The project will provide a wide range of forums to enable effective capacity building through training and technology transfer on all aspects of SMR development, including siting, design, and technology; engineering, manufacturing, construction, industrial supply chain, commissioning, operation, maintenance, and human resource management; fuel cycle; waste management; decommissioning; economics; financing; energy sustainability, nuclear safety, security and safeguards; emergency preparedness and response arrangements; and legal framework. The INT2025 project aims to improve knowledge and develop skills in recipient countries with regard to the fundamental aspects of SMR deployment, safety review capability, clean energy approach and their electric and non-electric applications, mitigating climate changes and integrating the basic principles of circular economy.

Scope and Nature

The workshop will cover topics related to bottom-up energy demand analysis, assessment of useful energy, energy intensities, opportunities for fuel switching (electrification) and assessment of disruptive technological changes (e.g. electrification of transport, high energy intensity industrial processes, district heating/cooling, AI and data centers) and their impact on power demand patterns. This workshop is the first in series of dedicated trainings that will support Member States in assessment of SMR option to supply energy and related demands. The event will be conducted in a workshop format to promote in-depth discussions, group work and active engagement from participants.

Participation

The event is open to 25 participants from the following Member States which participate in the INT2025 project and require support to increase both the number and knowledge of staff involved in launching or expanding nuclear power programmes, with emphasize on energy planning and more specifically energy demand analysis.

Algeria, Armenia, Croatia, Czech Republic, El Salvador, Estonia, Ethiopia, Ghana, Guatemala, Jordan, Kazakhstan, Kenya, Kuwait, Malaysia, Mongolia, Morocco, Myanmar, Niger, Nigeria, Pakistan, Peru, Philippines, Rwanda, Saudi Arabia, Slovenia, Sri Lanka, Tunisia, Uganda, Uzbekistan, Zambia.

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

China, At no cost to the IAEA, participants from following countries can also be considered: Belgium, Canada, China, Denmark, Finland, France, Italy, Japan, Republic of Korea, Russian Federation, Spain, United Kingdom, United States of America.

Participants' Qualifications and Experience

The energy demand analysis workshop is intended for national experts specialised in energy demand from countries considering the introduction of SMRs. This includes members of national energy planning teams / institutions, research / academia and/or power / heat utilities. A maximum of up to 3 qualified candidates per country will be selected, having in mind maximum number of participants, number of nominations and equal distribution among member states.

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 (EVT2506025) 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.

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