



Regional Meeting on Potential Role of Nuclear Power in Energy Transitions Scenarios

Hosted by

The International Atomic Energy Agency
IAEA Headquarters
Vienna, Austria

11 to 15 September 2023

Ref. No.: ME-RER2018-2303055

Information Sheet

Purpose

The purpose of the event is to provide a platform for knowledge exchange among energy analysts that want to consider nuclear power as one of the options for a transition towards a low carbon power system and net zero targets.

Working Language(s)

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

Deadline for Nominations

Nominations received after **14 July 2023** will not be considered.

Project Background

The TC project RER2018 “Analyzing Low Carbon Pathways towards an Ambitious Decarbonized Energy Sector by 2050” builds on the previous TC project RER2017. It was designed to support the development of energy strategies for climate change mitigation in line with the Paris Agreement, including country plans for the implementation of Nationally Determined Contributions (NDCs) and – as relevant for EU and Energy Community countries – integrated National Energy and Climate Plans (NECPs).

The project is a platform to discuss the main features and challenges of such strategies and plans. It supports assessments of energy pathways and associated technology mixes, including nuclear power and its emerging technological innovations (for example SMRs, system integration, cogeneration or hydrogen production). Through a series of meetings, trainings and expert assignments, the project contributes to exchanging experience and best practices among Member States and to strengthening capacities for energy and climate strategy development.

Expected Outputs

The expected main output of this event is an improved understanding of the challenges to correctly consider long-term aspects of integrating nuclear power into power systems, including emerging options such as SMRs; synergies that might occur through coupling electricity generation with heat and hydrogen production; and implications for the cost-competitiveness of nuclear power. This improved understanding will help national experts better understand the potential role of nuclear power as part of low carbon energy strategies.

This event will contribute to the overall outcome of the TC project RER2018, i.e., strengthened institutional capacities to develop national energy and climate plans and strategies.

Scope and Nature

This event will provide an opportunity for experts involved in the analysis of energy and power systems transitions towards a low carbon future to exchange their knowledge on the role of nuclear power as part of this transition and learn from each other’s experience. Discussions during the event will focus on the main potential benefits and challenges of the deployment of nuclear power and its interactions with other energy technologies.

The event will consist of presentations covering various aspects of nuclear power and related technological options, such as latest developments and trends regarding the role of nuclear power in future power systems. In this context, the operation of future power systems will be discussed, including challenges related to the integration of variable generation sources, such as securing sufficient system reserve and flexibility. Presentations will also focus on the potential benefits of, and challenges in, the development of Small Modular Reactors (SMRs). Further, topics such as financing nuclear power options and its cost-competitiveness will also be covered.

Discussion sessions will serve to exchange experiences among experts on various approaches to correctly address the main issues associated with ensuring a better representation of nuclear power as a future option for an energy transition.

The invited participants are expected to actively share their experience during the discussion sessions. Selected participants will be invited to present on their related work during presentations.

Participation

The meeting is open to up to two participants from Member States participating in the RER2018 project

Participants' Qualifications and Experience

Participants should be specialists in energy/electricity/nuclear sector planning and/or environment/climate policy analysis from institutions involved in the development of low carbon energy supply plans & strategies. They can have professions such as engineer, economist or environmental specialist. Applicants shall elaborate on their related experience in the nomination form, specifically in the section "Description of Work - Past work done by the nominee which is relevant to the event".

The nomination of two participants per MS is encouraged, one from an institution in charge of developing energy plans and strategies and one from an institution in charge of developing climate strategies, such as NDCs, NECPs and other related long-term strategies.

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 (EVT2303055) 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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