



# **Regional Training Course on Financial and Economic Evaluation for Large Energy Projects**

**Hosted by**

**Ministry of Energy and Natural Resources**

**Ankara, Türkiye**

**9 to 13 September 2024**

**Ref. No.: TN-RER2018-EVT2402915**

## **Information Sheet**

### **Purpose**

The purpose of the event is to train the participants in the evaluation of the economics and financing aspects of the large nuclear power projects (NPPs) and in assessing the financial viability of NPPs using the IAEA's model FinPlan.

### **Working Language(s)**

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

### **Deadline for Nominations**

Nominations received after **28 June 2024** 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). It further aims to support Member States in their preparation for submitting related updates, which are due for NDCs by 2025 and for NECPs by 2023 and 2024, respectively, for the draft and final updates.

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. 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. The project also offers additional support to those Member States engaged in the development of national studies in line with the project's objectives.

## **Expected Outputs**

The expected output of this event is an improved understanding of the economics and financing of large NPPs and the application of the FinPlan model to assess the financial viability of NPPs. This includes economic and financial aspects of large nuclear power projects vs SMRs, sources and structures of financing, improved knowledge of financial risk, better understanding of alternative financing mechanisms and the role of financial modelling during the nuclear power plant financing process. The event will also serve as a platform to exchange and share experiences among of countries that have recently completed or are in the process of making financial arrangements.

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 training will provide lectures and work sessions with hands-on exercises for the analysis of the financial viability of large NPPs. The invited participants and experts will present on their related work, both in presentations and during discussion sessions. During the course, case studies of countries that have recently completed or are now in the process of making financial arrangements, will also be presented.

The training course will cover an overview of nuclear power economics, financial risk and its allocation, a brief refresher on key quantitative financial metrics, sources of financing and presentations on the role of financial modelling. During the hands-on sessions, participants will be guided in the use of supportive tool such as FinPlan model for assessing the financial viability of nuclear power projects.

## **Participation**

The training course is open to participants from the participating Member States of RER2018, particularly those considering an introduction of nuclear power in their energy system.

## **Participants' Qualifications and Experience**

Participants should be specialists in energy sector planning and development, presently working in governmental departments responsible for planning and development of nuclear energy, electric production utilities, existing/future owners/operators of nuclear power plants or research organisations. They can be engineers/scientists, economists or environmental specialists.

# 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 (**EVT2402915**) 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](mailto: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 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

## **Programme Management Officer (responsible for substantive matters):**

Ms Meng Li  
Division for Europe  
Department of Technical Cooperation  
International Atomic Energy Agency  
Vienna International Centre  
PO Box 100  
1400 VIENNA  
AUSTRIA  
Tel.: +43 1 2600 26442  
Fax: +43 1 26007  
Email: [Me.Li@iaea.org](mailto:Me.Li@iaea.org)

## **Administrative Contact (responsible for administrative matters):**

Ms Alexandra Morscher  
Division for Europe  
Department of Technical Cooperation  
International Atomic Energy Agency  
Vienna International Centre  
PO Box 100  
1400 VIENNA  
AUSTRIA  
Tel.: +43 1 2600 26036  
Fax: +43 1 26007  
Email: [A.Morscher@iaea.org](mailto:A.Morscher@iaea.org)