



# **Technical Meeting on the Macroeconomic Impacts of Coal-to-Nuclear Transitions**

**IAEA Headquarters  
Vienna, Austria**

**22–26 June 2026**

**Ref. No.: EVT2503853**

## **Information Sheet**

### **Introduction**

Interest in nuclear power, particularly small modular reactors, is growing worldwide as countries seek alternatives to fossil fuels to meet rising energy demand, strengthen energy security, support sustainable economic development, and achieve climate goals. Nuclear energy offers a well-suited option for diversifying the energy mix while ensuring a reliable, affordable, and low-carbon supply. Nuclear power plants also generate substantial economic benefits through employment, industrial development, and sustained growth, while contributing to public health and environmental protection by significantly reducing harmful emissions.

Given the scale and long-term nature of nuclear investments, macroeconomic impact assessments are an essential component of project planning and appraisal. These assessments provide evidence-based insights into the economy-wide effects of transitioning from coal to nuclear energy, examining impacts on gross domestic product, employment, supply chains, and public finances. Such analysis helps determine how a project contributes to national development priorities, such as energy security and industrial development, and informs decisions on domestic value creation, workforce development, and fiscal sustainability, ensuring alignment with broader economic and energy policy frameworks.

The IAEA has developed a range of methodologies and tools to support Member States in conducting comparative analyses of coal-to-nuclear energy transitions. Among these is the Extended Input-Output Model for Sustainable Power Generation (EMPOWER), which enables Member States to quantify the macroeconomic impacts of nuclear power projects. EMPOWER facilitates the assessment of macroeconomic effects associated with the construction and operation of nuclear and other power plants through four consecutive submodules, applied according to data availability and the intended scope of analysis.

## **Objective**

The purpose of the meeting is to explore methodologies and approaches for conducting macroeconomic impact assessments of coal-to-nuclear energy transitions, with a focus on sharing international experiences and best practices. The event will:

- i. discuss key considerations to inform decision-making in support of economic development, energy security, and industrialization;
- ii. introduce tools and methodologies available to Member States and facilitate the exchange of experiences through relevant case studies; and
- iii. identify current and emerging needs and opportunities for Member States, enabling the IAEA to further strengthen its provision of support.

## **Target Audience**

The meeting is intended for experts from Member States involved in macroeconomic modelling, energy planning, and nuclear power programme development, as well as analysts, stakeholders, and decision-makers engaged in government-level energy policy formulation.

Participants are expected to have knowledge of macroeconomic impact assessment for energy infrastructure projects and to be familiar with relevant modelling methodologies and analytical tools.

## **Working Language(s)**

English.

## **Participation and Registration**

All persons wishing to participate in the meeting have to be designated by an IAEA Member State or should be members of organizations that have been invited to attend.

In order to be designated by an IAEA Member State or invited organization, participants are requested to submit their application via the InTouch+ platform (<https://intouchplus.iaea.org>) to the competent national authority (Ministry of Foreign Affairs, Permanent Mission to the IAEA or National Atomic Energy Authority) or organization for onward transmission to the IAEA by **30 April 2026**, following the registration procedure in InTouch+:

1. Access the InTouch+ platform (<https://intouchplus.iaea.org>):
  - Persons with an existing NUCLEUS account can sign in to the platform with their username and password;
  - Persons without an existing NUCLEUS account can register [here](#).
2. Once signed in, prospective participants can use the InTouch+ platform to:
  - Complete or update their personal details under ‘Complete Profile’ and upload the relevant supporting documents;
  - Search for the relevant event under the ‘My Eligible Events’ tab;
  - Select the Member State or invited organization they want to represent from the drop-down menu entitled ‘Designating Authority’ (if an invited organization is not listed, please contact [InTouchPlus.Contact-Point@iaea.org](mailto:InTouchPlus.Contact-Point@iaea.org));
  - If applicable, indicate whether a paper is being submitted and complete the relevant information;
  - If applicable, indicate whether financial support is requested and complete the relevant information (this is not applicable to participants from invited organizations);
  - Based on the data input, the InTouch+ platform will automatically generate the Participation Form (Form A) and/or the Grant Application Form (Form C);
  - Submit their application.

Once submitted through the InTouch+ platform, the application, together with the auto-generated form(s), will be transmitted automatically to the required authority for approval. If approved, the application, together with the applicable form(s), will automatically be sent to the IAEA through the online platform.

NOTE: The application for financial support should be made, together with the submission of the application, by **30 April 2026**.

For additional information on how to apply for an event, please refer to the [InTouch+ Help](#) page. Any other issues or queries related to InTouch+ can be sent to [InTouchPlus.Contact-Point@iaea.org](mailto:InTouchPlus.Contact-Point@iaea.org).

Selected participants will be informed in due course on the procedures to be followed with regard to administrative and financial matters.

Participants are hereby informed that the personal data they submit will be processed in line with the [Agency’s Personal Data and Privacy Policy](#) and is collected solely for the purpose(s) of reviewing and assessing the application and to complete logistical arrangements where required. The IAEA may also use the contact details of Applicants to inform them of the IAEA’s scientific and technical publications, or the latest employment opportunities and current open vacancies at the IAEA. These secondary purposes are consistent with the IAEA’s mandate. Further information can be found in the [Data Processing Notice](#) concerning IAEA InTouch+ platform.

## Papers and Presentations

The IAEA encourages participants to give presentations on the work of their respective institutions that falls under the topics listed above.

Participants who wish to give presentations are requested to submit an abstract of their work. The abstract will be reviewed as part of the selection process for presentations. The abstract should be in A4 page format, should extend to no more than **one** page (including figures and tables) and should not exceed **500** words. It should be sent electronically to **Ms Nancy Mberia** and **Ms Maria Papadopoulou**, the Co-scientific Secretaries of the meeting (see contact details below), not later than **30 April 2026**. Authors will be notified of the acceptance of their proposed presentations by **14 May 2026**.

Submission of a paper should be confirmed, together with the submission of the main application via the InTouch+ platform, by **30 April 2026**.

## Expenditures and Grants

No registration fee is charged to participants.

The IAEA is generally not in a position to bear the travel and other costs of participants in the meeting. The IAEA has, however, limited funds at its disposal to help meet the cost of attendance of certain participants. Upon specific request, such assistance may be offered to normally one participant per country, provided that, in the IAEA's view, the participant will make an important contribution to the meeting.

The application for financial support should be made, together with the submission of the application, by **30 April 2026**.

## Venue

The meeting will be held at the Vienna International Centre (VIC), where the IAEA's Headquarters are located. Participants must make their own travel and accommodation arrangements.

General information on the VIC and other practical details, such as a list of hotels offering a reduced rate for IAEA participants, are listed on the following IAEA web page:

<http://www.iaea.org/events>.

Participants are advised to arrive at Checkpoint 1/Gate 1 of the VIC one hour before the start of the meeting on the first day in order to allow for timely registration. Participants will need to present an official photo identification document in order to be admitted to the VIC premises.

## Visas

Participants who require a visa to enter Austria should submit the necessary application to the nearest diplomatic or consular representative of Austria at least four weeks before they travel to Austria. Since Austria is a Schengen State, persons requiring a visa will have to apply for a Schengen visa. In States

where Austria has no diplomatic mission, visas can be obtained from the consular authority of a Schengen Partner State representing Austria in the country in question.

## **Additional Information**

The publication [Coal to Nuclear: Supporting a Clean Energy Transition](#) examines the macroeconomic and socio-economic implications of coal-to-nuclear transitions, including potential impacts on gross domestic product and employment, and reviews the technical considerations involved in repowering coal plants with nuclear technologies such as small modular reactors. It highlights recent developments and related initiatives, outlines the IAEA's support services, from macroeconomic and environmental assessments to assistance with coal-to-nuclear project implementation, to help policymakers evaluate the role of nuclear energy in achieving a fair, inclusive, and cost-effective transition, and concludes with an overview of sustainable development strategies and national policy efforts to expand into emerging clean energy technology markets beyond fossil fuels.

## **IAEA Contacts**

### **Scientific Secretary:**

#### **Ms Nancy Mberia**

Division of Planning, Information and Knowledge Management  
Department of Nuclear Energy  
International Atomic Energy Agency  
Vienna International Centre  
PO Box 100  
1400 VIENNA  
AUSTRIA

Tel.: +43 1 2600 22773

Email: [N.Mberia@iaea.org](mailto:N.Mberia@iaea.org)

### **Co-Scientific Secretary:**

#### **Ms Maria Papadopoulou**

Division of Planning, Information and Knowledge Management  
Department of Nuclear Energy  
International Atomic Energy Agency  
Vienna International Centre  
PO Box 100  
1400 VIENNA  
AUSTRIA

Tel.: +43 1 2600 22660

Email: [M.Papadopoulou@iaea.org](mailto:M.Papadopoulou@iaea.org)

**Administrative Secretary:**

**Ms Eugenie Hartzell**

Division of Planning, Information and Knowledge Management  
Department of Nuclear Energy  
International Atomic Energy Agency  
Vienna International Centre  
PO Box 100  
1400 VIENNA  
AUSTRIA

Tel.: +43 1 2600 22779

Email: [E.Hartzell@iaea.org](mailto:E.Hartzell@iaea.org)

Subsequent correspondence on scientific matters should be sent to the Co-scientific Secretaries and correspondence on other matters related to the meeting to the Administrative Secretaries.