



**IAEA**

International Atomic Energy Agency

*Atoms for Peace and Development*

# **Workshop to Exchange Experience on Energy System Modelling for Planning**

**Hosted by the**  
Government of the Republic of Croatia

**through the**  
Energy Institute Hrvoje Pozar (EIHP)

**Zagreb, Croatia**

**14 – 17 April 2025**

**Ref. No.: EVT2404973**

## **Information Sheet**

### **Introduction**

The International Atomic Energy Agency's (IAEA's) Planning and Economic Studies Section is helping Member States strengthen their capabilities to elaborate sustainable energy strategies and identify the potential role for energy technologies, including nuclear power. For this purpose, the Planning and Economic Studies Section has developed a set of analytical tools and methodologies for integrated energy planning, which are being used by more than 130 countries for their energy studies.

Appropriate methodologies and tools are needed to conduct the necessary assessments for developing national and sub-national plans, respecting national specifics and country-driven contributions to global energy and climate related goals. Many countries have announced their intention to reach Net-Zero or Carbon Neutral targets by mid-century, while exploring all demand and supply patterns, including deployment of nuclear options, not only for power generation, but for other potential applications (e.g. cogeneration, hydrogen production).

The workshop will consist of presentations by the participants, experts and group discussions. It will cover: (a) major issues related to energy systems in the context of sustainable development; (b) energy system modelling approaches and scenario designs for evaluating alternative energy strategies that take into account the techno-economic and environmental aspects of various energy option parameters; (c) trade-offs for possible integration of the national energy system with sub regional and

regional networks; and (d) the policy relevance of energy system analysis in Member States. The emphasis will be on modelling approaches for the evaluation of energy system infrastructure in relation to energy affordability, energy security, environmental and climate change impacts, with the help of the IAEA's energy models or similar tools.

Each participant is expected to give a presentation with a focus on the application of energy system models in the respective Member States. Of particular interest are innovative analytical solutions to address issues that are likely to be of relevance to other participants. Furthermore, the participants should highlight instances where energy system assessments have been used to inform policy formulation or other decisions in their home countries. A general assessment of how the energy planning and assessment activities are integrated into decision-making processes can also be included in the presentations. A short write-up summarizing the contents of the presentation (e.g., the main model to be discussed) should be sent to the Scientific Secretary of the workshop, Mr. Mario TOT (Email: [M.Tot@iaea.org](mailto:M.Tot@iaea.org)) no later than **12 March 2025**.

## **Objectives**

The purpose of the workshop is to facilitate the exchange of experiences among Member States regarding the use of the IAEA's tools for energy planning and analysis, and to provide an opportunity to share relevant analytical tools that they themselves have developed. The workshop will focus on methodological aspects of the tools and the relevance they have for the formulation of energy policy and strategies to promote sustainable development in the participating countries.

## **Target Audience**

Member States are invited to designate one participant for this workshop who has specialized knowledge of, or experience in, contemporary energy issues, as well as adequate skills in the use of the IAEA's energy planning models. Each participant is expected to give a presentation lasting 30-45 minutes to share his/her country's experience in analysing energy issues with the help of modelling tools. Member States are strongly encouraged to identify suitable women participants.

Total number of participants is limited to 25 national experts (excluding host country participant).

## **Working Language(s)**

English

## **Participation and Registration**

All persons wishing to participate in the event 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 **12 March 2025**, 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 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 **12 March 2025**.

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 the IAEA InTouch+ platform.

## **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 event. 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 event.

The application for financial support should be made, together with the submission of the application, by **12 March 2025**.

## **Visas**

Participants who require a visa to enter Croatia should submit the necessary application as soon as possible to the nearest diplomatic or consular representative of Croatia.

## **IAEA Contacts**

### **Scientific Secretary:**

#### **Mr Mario TOT**

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Subsequent correspondence on scientific matters should be sent to the Scientific Secretaries and correspondence on other matters related to the event to the Administrative Secretaries.

# Grant Application Form

## Workshop to Exchange Experience in Energy System Modelling for Planning

Energy Institute Hrvoje Pozar (EIHP), in Zagreb, Croatia

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To be completed by the applicant and sent to the competent national authority (e.g. Ministry of Foreign Affairs, Permanent Mission to the IAEA, or National Atomic Energy Authority) of his/her country for subsequent transmission to the International Atomic Energy Agency (IAEA) either by email to: [Official.Mail@iaea.org](mailto:Official.Mail@iaea.org) or by fax to: +43 1 26007 (no hard copies needed). Please also send a copy by email to the Scientific Secretary [M.Tot@iaea.org](mailto:M.Tot@iaea.org) and to the Administrative Secretaries [S.Guseva@iaea.org](mailto:S.Guseva@iaea.org) and [E.T.B.Hartzell@iaea.org](mailto:E.T.B.Hartzell@iaea.org).

**Deadline for receipt by IAEA through official channels: 12 March 2025**

Family name(s): (same as in passport)	First name(s): (same as in passport)	Mr/Ms:
Mailing address:	Tel.:	
	Fax:	
	Email:	
Date of birth (yy/mm/dd):	Nationality:	
I plan to attend virtually:	Yes <input type="checkbox"/> No <input type="checkbox"/>	

### 1. Education (post-secondary):

Name and place of institution	Field of study	Diploma or Degree	Years attended	
			from	to

### 2. Recent employment record (starting with your present post):

Name and place of employer/ organization	Title of your position	Type of work	Years worked	
			from	to

### 3. Description of work performed over the last three years:

### 4. Institute's/Member State's programme in field of event:

Date: Signature of applicant: \_\_\_\_\_

Date: Name, signature and stamp of Ministry of Foreign Affairs, Permanent Mission to the IAEA or National Atomic Energy Authority \_\_\_\_\_