



IAEA

International Atomic Energy Agency

Atoms for Peace and Development

Workshop on Advanced Energy System Modelling and the Use of the IAEA's Analytical Tools

Hosted by the

Government of Lithuania

through the

Lithuanian Energy Institute (LEI)

Vilnius, Lithuania

13–24 May 2024

Ref. No.: EVT2303755

Information Sheet

Introduction

The purpose of the event is to provide training on energy supply analysis and use of the International Atomic Energy Agency's (IAEA's) Model for Energy Supply Strategy Alternatives and their General Environmental Impact (MESSAGE) to national experts who could serve as trainers/lecturers for future training events on the use of this tool. The event will consist of lectures on the energy supply analysis, methodology and structure of the MESSAGE model which will be followed by work sessions. Different assignments will be allocated to the participants, including input data preparation and case studies design, execution of the model and interpretation of results; representation of various technological developments at the supply side and modelling of energy policy alternatives for sustainable energy and climate protection. The participants will be expected to prepare presentations on these topics and deliver those during the workshop. The Scientific Secretaries and external experts will provide technical lectures and guide the participants in preparing their allocated assignments. This simulation exercise is meant to develop competence in the analysis of model results and in drawing policy related conclusions.

Objectives

The purpose of the event is to: (i) provide advanced training on developing practical skills to advise on the use of the IAEA's Models; (ii) address complex energy system modelling, including effective energy policies for sustainable development (emphasis on energy supply options/side); (iii) master skills for advanced users who could serve as trainers/lecturers for future training courses on the use of the MESSAGE model.

Target Audience

The programme of the event is specifically designed to guide the participants to become trainers/lecturers for future courses on the application of the MESSAGE model. The participants will attend formal training sessions and develop case studies using the MESSAGE model for the elaboration of sustainable energy strategies. Previous experience in the use of the IAEA's tool MESSAGE for energy supply analysis is desirable, with emphasis on identification of sustainable supply paths and transition towards low-carbon energy systems.

The IAEA reserves a right to organise a preparatory online event for this training. Candidates will be informed about the online session in due time. In the case the online session is organised, candidates nominated for the in-person training will be obliged to participate in online event and complete tasks-exercises. In the case candidates do not complete the online session, they might be excluded from the in-person training.

Working Language(s)

English

Expected Outputs

The programme of the event is specifically designed to guide the participants to become trainers/instructors for future courses on the application of MESSAGE. The event is open to up to 15 qualified candidates.

The participants will attend formal training sessions and develop case studies using the MESSAGE model for energy/electricity supply analysis. The participants will be expected to give presentations during the event.

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, participants are requested to send the **Participation Form (Form A)** to their competent national authority (e.g. Ministry of Foreign Affairs, Permanent Mission to the IAEA or National Atomic Energy Authority) for onward transmission to the IAEA by **8 March 2024**. Participants who are members of an organization invited to attend are requested to send the **Participation Form (Form A)** through their organization to the IAEA by above deadline.

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.

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 using the **Grant Application Form (Form C)** which has to be stamped, signed and submitted by the competent national authority to the IAEA together with the **Participation Form (Form A)** by **8 March 2024**.

Visas

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

IAEA Contacts

Scientific Secretary:

Ms Ilse Berdellans Escobar

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 22784

Fax: +43 1 26007

Email: I.Berdellans-Escobar@iaea.org

Co-Scientific Secretaries:

Mr Mario Tot

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 22855

Fax: +43 1 26007

Email: M.Tot@iaea.org

Administrative Secretaries:

Ms Valerie Gartner

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 22778

Fax: +43 1 26007

Email: V.Gartner@iaea.org

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

Fax: +43 1 26007

Email: E.T.B.Hartzell@iaea.org

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.

Participation Form

Workshop on Advanced Energy System Modelling and the Use of the IAEA's Analytical Tools

Vilnius, Lithuania

13–24 May 2024

To be completed by the participant 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 or by fax to: +43 1 26007 (no hard copies needed). Please also send a copy by email to the Scientific Secretary I.Berdellans-Escobar@iaea.org and to the Administrative Secretaries V.Gartner@iaea.org and E.T.B.Hartzell@iaea.org.

Deadline for receipt by IAEA through official channels: 8 March 2024

Family name(s): (same as in passport)	First name(s): (same as in passport)	Mr/Ms
Institution:		
Full address:		
Tel. (Fax):		
Email:		
Nationality:	Representing following Member State/non-Member State/entity or invited organization:	
If/as applicable: Do you intend to submit a paper? Yes <input type="checkbox"/> No <input type="checkbox"/> Would you prefer to present your paper as a poster? Yes <input type="checkbox"/> No <input type="checkbox"/> Title:		

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.

Grant Application Form

Workshop on Advanced Energy System Modelling and the Use of the IAEA's Analytical Tools

Vilnius, Lithuania

13–24 May 2024

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 or by fax to: +43 1 26007 (no hard copies needed). Please also send a copy by email to the Scientific Secretary I.Berdellans-Escobar@iaea.org and to the Administrative Secretaries E.T.B.Hartzell@iaea.org and V.Gartner@iaea.org.

Deadline for receipt by IAEA through official channels: 8 March 2024

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:	

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** _____