



23rd INPRO Dialogue Forum on Nuclear Energy Innovations to Support Net-Zero Transition

**IAEA Headquarters
Vienna, Austria**

30 October–1 November 2024

Ref. No.: EVT2103426

Information Sheet

Introduction

The International Project on Innovative Nuclear Reactors and Fuel Cycles (INPRO), launched in 2000, aims to ensure sustainable nuclear energy development in the 21st century. INPRO, endorsed by the IAEA General Conference resolution GC (44)/RES/21, integrates all aspects crucial for nuclear energy sustainability. Its membership includes 43 IAEA Member States (MSs) and the European Commission.

The 32nd INPRO Steering Committee Meeting in 2023 endorsed the organization of an INPRO Dialogue Forum in 2024 on various applications of nuclear energy as a sustainable energy source to mitigate the global climate change.

To achieve the net-zero goal by 2050, nuclear energy, particularly from small modular reactors (SMRs), plays a crucial role beyond electricity generation. Nuclear energy can support hydrogen production, district heating, desalination, and cogeneration. These non-electric applications are vital in reducing emissions from industries, heating, and transportation by providing clean alternatives to fossil fuels. This integrated approach is essential for comprehensive decarbonization efforts.

The 23rd Dialogue Forum covers topics related to nuclear energy innovations needed to accelerate the transition to net-zero, with a focus on SMRs. This Dialogue Forum will include keynote addresses, presentations by invited speakers, and discussion sessions involving all participants.

Objectives

The purpose of the event is to provide a platform for Member States and other stakeholders to share ideas, concepts and information related to current and/or emerging topics regarding nuclear energy system development and sustainability.

The focus of the 23rd INPRO Dialogue Forum is the role of advanced nuclear technologies in achieving net-zero targets by 2050. The following are the objectives of the event.

- Discuss and share information and knowledge on the potential and status of nuclear energy innovations leveraging SMRs to support net-zero transition.
- Review the status of ongoing efforts on nuclear hydrogen production to identify near term applications in various energy sectors.
- Examine and discuss the prospects and limits of nuclear cogeneration as a means of reducing carbon emissions.
- Identify areas for additional research, development and demonstration needed to accelerate various applications of nuclear power to achieve net-zero goals, and
- Draw up recommendations for the IAEA Secretariat and Member States facilitating nuclear energy innovations to accelerate achieving net-zero goals.

Target Audience

The INPRO Dialogue Forum is primarily open to participants from the INPRO Member States. The forum is also open to other interested IAEA Member States and international organizations.

Working Language(s)

The working language of the event will be English with no interpretation provided. All communications, abstracts and papers must be submitted to the IAEA in English

Topics

The event will consist of several sessions covering the following topics:

- National, regional, and global opportunities and challenges in nuclear energy innovations to meet net-zero transition goals.
- Innovative technologies and strategies for deployment of SMRs as sustainable energy systems.
- Sustainable nuclear hydrogen production technologies, opportunities, and challenges to meet rapidly growing demand for hydrogen.
- Economic, technological, and institutional opportunities and challenges of nuclear energy cogeneration, meeting electricity and non-electric applications for industrial and residential requirements.

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 organisations that have been invited to attend.

In order to be designated by an IAEA Member State or invited organisation, 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 organisation for onward transmission to the IAEA by **30 August 2024**, 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 using 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 organisation they want to represent from the drop-down menu entitled ‘Designating Authority’ (if an invited organisation is not listed, please contact 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 organisations).
 - 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 August 2024**.

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.

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.

The event is, in principle, open to all officially designated persons. The IAEA, however, reserves the right to limit participation should this become necessary due to limitations imposed by the available seating capacity. It is therefore recommended that interested persons take the necessary steps to obtain their official designation as early as possible.

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 2 pages (including figures and tables) and should not exceed 700 words. It should be sent electronically to Mr Sung Soo Kim, the Scientific Secretary of the event (see contact details below), not later than **30 August 2024**. Authors will be notified of the acceptance of their proposed presentations by **30 September 2024**.

In addition to the registration already submitted through the InTouch+ platform, participants have to submit the abstract, together with the Form for Submission of a Paper (**Form B**), to the competent national authority (e.g. Ministry of Foreign Affairs, Permanent Mission to the IAEA or National Atomic Energy Authority) or organisation for onward transmission to the IAEA not later than **30 August 2024**.

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 **30 August 2024**.

Venue

The event 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: www.iaea.org/events.

Participants are advised to arrive at Checkpoint 1/Gate 1 of the VIC one hour before the start of the event 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.

IAEA Contact

Scientific Secretary:

Mr Sung Soo Kim

Division of Nuclear Power
Department of Nuclear Energy
International Atomic Energy
Agency
Tel.: +43 1 2600 22818
Email: S.S.Kim@iaea.org

Co-Scientific Secretaries:

Mr Mikhail Khoroshev

Division of Nuclear Power
Department of Nuclear Energy
International Atomic Energy
Agency
Tel.: +43 1 2600 26737
Email: M.Khoroshev@iaea.org

Mr Francesco Ganda

Division of Nuclear Power
Department of Nuclear Energy
International Atomic Energy
Agency
Tel.: +43 1 2600 22859
Email: F.Ganda@iaea.org

Administrative Secretaries:

Ms Tin Ling Loi

Division of Nuclear Power
Department of Nuclear Energy
International Atomic Energy
Agency
Tel.: +43 1 2600 22792
Email: T.Loi@iaea.org

Ms Lorena Tagani

Division of Nuclear Power
Department of Nuclear Energy
International Atomic Energy
Agency
Tel.: +43 1 2600 22774
Email: L.Tagani@iaea.org

Mailing address & fax:

International Atomic Energy
Agency
Vienna International Centre
PO Box 100
1400 VIENNA
AUSTRIA
Fax: +43 1 26007

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

Event Web Page

Please visit the following IAEA web page regularly for new information regarding this event:

www.iaea.org/events/EVT2103426

Enclosure: Form for Submission of a Paper (Form B)

Form for Submission of a Paper

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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 Secretaries S.S.Kim@iaea.org, M.Khoroshev@iaea.org & F.Ganda@iaea.org, and to the Administrative Secretaries T.Loi@iaea.org & L.Tagani@iaea.org.

Participants who are members of an invited organization can submit this form to their organization for subsequent transmission to the IAEA.

Deadline for receipt by IAEA through official channels: 30 August 2024

Title of the paper:		
One sentence description of your paper:		
Family name(s) and first name(s) of all author(s) (same as in passport(s):	Scientific establishment(s) in which the work has been carried out	City/Country
1.		
2.		
3.		

Family name(s) and first name(s) of author presenting the paper (same as in passport):	Mr/Ms:
Mailing address (including postcode):	
Tel./Fax:	
Email:	
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