



IAEA

International Atomic Energy Agency
Atoms for Peace and Development

22nd INPRO Dialogue Forum on Successful Development and Sustainable Deployment of SMRs

Hosted by the
Government of the Republic of Korea

through the
Korea Nuclear International Cooperation Foundation

Jeju Island, Republic of Korea

6–10 May 2024

Ref. No.: EVT 2304017

Information Sheet

Introduction

The International Project on Innovative Nuclear Reactors and Fuel Cycles (INPRO), launched in 2000, was initiated by an International Atomic Energy Agency (IAEA) General Conference resolution [GC (44)/RES/21]. The objective of INPRO is to help ensure that nuclear energy is available to contribute in a sustainable manner to the energy needs of the 21st century. INPRO is a forward-looking project that integrates all areas important to the sustainability of nuclear energy. The current INPRO membership comprises 43 IAEA Member States and the European Commission. INPRO dialogue forums offer a platform to bring together technology holders, technology users and other stakeholders to share information, perspectives, and knowledge to address actions needed to achieve desired innovations for sustainable nuclear energy development.

Recently small modular reactors (SMRs) gained considerable attention and investments due to their compact size, enhanced safety features, scalability, and manufacturing strategies that could provide flexibility and be cost-effective to meet growing energy demands. SMRs when integrated with renewable energy sources can support electrical grid stability, and States' greenhouse gas emissions goals and energy security. For embarking countries, SMRs provide reliable clean energy, reduce reliance on fossil fuels, and promote economic growth. Meeting the socio-economic potential of SMR deployment will require collaboration among Member States, including both established and embarking countries.

The 31st and 32nd INPRO Steering Committee Meetings (November 2022 and October 2023) endorsed the 22nd Dialogue Forum, which focuses on topics and issues, for expediting successful development and sustainable deployment of SMRs.

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 following are the objectives of the 22nd INPRO Dialogue Forum.

- Facilitate the rapid development and deployment of SMRs by promoting the exchange of knowledge, experiences, and best practices among key stakeholders, including governments, industry experts, academia, and international organizations;
- Promote sharing of research and development efforts aimed at advancing SMR technologies in safety, efficiency, and cost-effectiveness;
- Discuss common safety standards, licensing procedures, and guidelines to streamline the regulatory framework and infrastructure to support a consistent approach to SMR deployment across different regions;
- Promote public awareness and engagement in terms of communication strategies for informing the public about the benefits, safety measures, proliferation resistance and environmental considerations associated with deployment of SMRs;
- Analyse the specific requirements and needs of SMR vendors and Member States in using the INPRO methodology to support the sustainable deployment of SMRs; and
- Develop recommendations for the IAEA Secretariat and the Member States in efficiently developing and effectively deploying SMRs.

Target Audience

The INPRO Dialogue Forum is primarily open to participants from INPRO Member States. The forum is also open to other interested IAEA Member States and international organizations. The audience is for established and embarking countries, and includes technology stakeholders and users, and key international organizations responsible for SMR deployment.

Working Language(s)

The working language of the event will be English with no interpretation provided. The submission of all communications, abstracts and papers must be in English.

Structure

The meeting will include keynote speeches, participant presentations, panel discussions and breakout working group sessions.

Topics

The event will consist of the following session topics:

- National, regional, and global opportunities and challenges on development and deployment of SMRs;
- Demonstration of safety and operating performance, which accelerate the entry of SMRs into the market;
- Demonstration of economic competitiveness through manufacturing strategies that include serial construction and robust supply chains to support sustainable deployment of SMRs;
- Technical, economic, safety and waste management challenges of floating nuclear power plants based on SMR technology; and
- SMR planning for clean energy strategies, specifically focusing on the area of key infrastructures.

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 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 **31 January 2024**, following the registration procedure in InTouch+:

1. Access the InTouch+ platform (<https://intouchplus.iaea.org>):
 - Persons with an existing NUCLEUS account can sign into 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).
 - 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 **31 January 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, Mr Dohee Hahn and Mr Maxim Gladyshev, the Scientific Secretaries of the event (see contact details below), not later than **31 January 2024**. Authors will be notified of the acceptance of their proposed presentations by **29 February 2024**.

In addition to the registration already submitted through the InTouch+ platform, participants have to submit the abstract, together with the attached 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 organization for onward transmission to the IAEA not later than **31 January 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 in InTouch+, by **31 January 2024**.

Venue

The event will be held at the International Convention Center Jeju in Jeju, Republic of Korea. Participants must make their own travel and accommodation arrangements.

The host organization will provide general information on the meeting venue and logistics details including hotel accommodation offering reduced rates once the IAEA finalises the attendees and invitation letters are sent. These additional details may also be found on the event webpage listed below.

Visas

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

IAEA Contacts

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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.

Event Web Page

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

www.iaea.org/events/EVT2304017

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