



26th INPRO Dialogue Forum on the Deployment of Nuclear Energy Systems for Applications Beyond Electricity

**Hosted by the
Government of Thailand**

**through the
Thailand Institute of Nuclear Technology (TINT)**

24–28 August 2026

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Information Sheet

Introduction

The International Project on Innovative Nuclear Reactors and Fuel Cycles (INPRO), launched in 2000, supports the long-term sustainability of nuclear energy systems in the 21st century and beyond. Endorsed by the IAEA General Conference through resolution GC (44)/RES/21, INPRO takes an integral approach that addresses the full range of technical, economic, institutional, and infrastructure aspects relevant to sustainable nuclear energy development. INPRO currently includes 48 Member States and the European Commission.

At its 34th Steering Committee Meeting in 2025, members endorsed the organization of an INPRO Dialogue Forum in 2026 dedicated to innovative non-electric applications of nuclear energy. As of 2024, 67 nuclear reactors worldwide were capable of supplying heat for non-electric applications, with 46 already providing heat services. The majority of these applications—approximately 94%—support district heating.

In parallel, many Member States are actively exploring additional non-electric applications of nuclear energy to diversify energy use and to enhance system integration.

Among the areas of growing interest are industrial applications that require reliable, high-temperature heat. Nuclear energy is being examined as a potential source of process heat for sectors such as steelmaking, oil refining, chemical production, and hydrogen generation. Advanced reactor designs, including Generation IV systems, offer capabilities well suited to such requirements. These developments open new opportunities for nuclear cogeneration—the combined production of both electricity and process heat—while also introducing technical, regulatory, and organizational challenges that call for coordination among a wider range of stakeholders, including industrial users, energy suppliers, regulators, technology developers, and investors.

Previous INPRO Dialogue Forums have highlighted the importance of innovation and collaboration in expanding the role of nuclear energy beyond electricity generation. Building on these discussions, the 26th INPRO Dialogue Forum will focus on nuclear energy innovations for industrial applications. The Forum will include keynote addresses, technical presentations, and interactive discussions with participants from Member States and international organizations, with the aim of advancing practical understanding and informed decision-making.

Objectives

The purpose of the event is to provide a platform for Member States and stakeholders to share ideas, concepts and information related to current and emerging topics regarding innovative developments and the sustainability of nuclear energy systems.

The following are the objectives of the 26th INPRO Dialogue Forum:

- 1) Discuss key economic, technological, and institutional factors influencing nuclear energy innovation for industrial applications
- 2) Review the status of ongoing activities related to the nuclear production of industrial heat and identify areas for further research, development and demonstration
- 3) Explore strategies to support regulatory alignment, coordinated infrastructure development, and effective market introduction of nuclear energy systems for industrial use
- 4) Develop recommendations for the IAEA Secretariat and Member States to facilitate the advancement of nuclear energy innovations for industrial applications

Target Audience

The INPRO Dialogue Forum is primarily open to participants from the INPRO Member States and Observers. The Forum is also open to other interested IAEA Member States and international organizations. Participants in the Forum will include operators, regulatory bodies, relevant industries, technology holders, government officials, technical support organizations, representatives of international organizations, along with technical and legal experts working on related nuclear energy programs. The

Forum may also be of interest to non-governmental organizations and academic institutions. INPRO encourages the participation of women, early career professionals, and individuals from developing countries.

Working Language(s)

English.

Topics

The event will consist of the following session topics:

- 1) Opportunities and challenges in deploying nuclear energy systems for industrial processes.
- 2) Innovative technologies and strategies to enhance safety, efficiency, and sustainability of nuclear energy systems delivering high-temperature steam heat for industrial use.
- 3) Business and financing models to accelerate market entry of nuclear energy systems for industrial applications.
- 4) Cooperation and partnerships among nations, industry leaders, and regulatory bodies to ensure harmonized standards and practices for nuclear-generated industrial heat and other applications.
- 5) Economic, technological, and institutional requirements for nuclear energy cogeneration systems, serving electricity and non-electric applications

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 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);
- 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.

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 Ms Hyun Sook Cho, Ms Alina Constantin, and Mr Maxim Gladyshev, the Scientific Secretaries of the event (see contact details below), not later than **30 April 2026**. Authors will be notified of the acceptance of their proposed presentations by **31 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 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 April 2026**.

Venue

The event will be held at the **Centara Grand at Central Plaza Ladprao, Bangkok, Thailand**. Participants must make their own travel and accommodation arrangements.

The host organisation will provide general information on the meeting venue and logistics details including hotel accommodations offering reduced rates, which will be sent with the invitation letter from the IAEA. These additional details may also be found on the event webpage listed below.

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

IAEA and Local Host Contacts

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Subsequent correspondence on scientific matters should be sent to the Scientific Secretary/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/EVT2503836

<https://indico.tintrd.com/e/inpro26>