



Technical Meeting on Advances in Design Development for Microreactors and their Applications

IAEA Headquarters, Meeting Room C0343
and virtual participation via Microsoft Teams

18 – 22 May 2026

Ref. No.: EVT2503602

Information Sheet

Introduction

Microreactors represent a promising frontier in nuclear energy, offering flexible, resilient, and low-carbon solutions for diverse applications, including remote communities, industrial sites, and outer space missions. Following the Consultancy Meeting held in June 2025, which brought together experts and developers to initiate the preparation of a technical document on microreactors, this technical meeting will serve as the next step in advancing international dialogue. It will broaden participation, deepen technical discussions, and enrich the content of the forthcoming IAEA TECDOC publication on “Advances in Design Development for Microreactors and their Applications.” The meeting is key to facilitate the release of the first draft of the TECDOC, providing a unique opportunity for stakeholders to contribute to its finalization and ensure alignment with Member States’ needs.

Objectives

- Present and discuss the evolving design features, technology deployment strategies, and application scenarios of microreactors.
- Collect feedback on the draft structure and contribution to the content of the IAEA TECDOC.

- Identify lessons learned, trends, and challenges in microreactor technology development and deployment.
- Foster collaboration among technology developers, regulators, end users in Member States.
- Define terminology related to microreactors.

Target Audience

- Technology developers and vendors of microreactors.
- Representatives from national nuclear energy authorities and regulatory bodies.
- Experts in nuclear safety, security, safeguards, and fuel cycle.
- Researchers and academics involved in advanced reactor design.
- End users from industry, remote communities, and outer space agencies.
- International organizations and stakeholders engaged in innovative nuclear reactor design.

Working Language(s)

The working language of this meeting will be English with no interpretation provided. All communications, presentations and papers must be submitted in English.

Expected Outputs

- Consolidated feedback on the draft technical document structure and content.
- Identification of key technical and non-technical challenges and opportunities.
- Strengthened international collaboration and knowledge exchange.
- Updated taxonomy and classification approaches for microreactors.
- Recommendations for future IAEA activities and support mechanisms.

Structure

The meeting will be organized into plenary sessions, expert presentations, and moderated panel discussions. Breakout sessions will provide opportunities for focused dialogue on specific topics such as safety, safeguards, fuel cycle, and deployment scenarios. A dedicated session will be held to review and refine the draft technical document.

Topics

- Microreactor design features and classification approaches.
- Deployment models and infrastructure requirements.
- Fuel cycle strategies and supply chain challenges.
- Safety, security and safeguards for microreactors.
- Autonomous operation considerations.
- Economic and financial models for microreactor deployment.
- Lessons learned from current development projects.
- Integration with non-electric applications and hybrid energy systems.

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 **16 March 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 a paper is being submitted and complete the relevant information;
 - 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 **16 March 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.

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 four (4) pages (including figures and tables) and should not exceed 1000 words. It should be sent electronically to Ms Dandara Araujo da Silva and Mr M. Hadid Subki, the Scientific Secretaries of the event (see contact details below), not later than **16 March 2026**. Authors will be notified of the acceptance of their proposed presentations by **18 April 2026**.

Submission of a paper should be confirmed, together with the submission of the main application via the InTouch+ platform, by **16 March 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 **16 March 2026**.

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.

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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 Secretary.

Event Web Page

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

www.iaea.org/events/EVT2503602