



**IAEA**

International Atomic Energy Agency

*Atoms for Peace and Development*

**Technical Meeting  
of the Analysis Support for Enhanced Nuclear  
Energy Sustainability Pilot Study  
“Sustainable Deployment Scenarios for Small  
Modular Reactors” (ASENES SMR)**

**Hosted by the  
Government of Armenia**

**through the  
Scientific Research Institute of Energy**

**Yerevan, Armenia**  
and virtual participation via Cisco Webex

**23-27 September 2024**

**Ref. No.: EVT2304029**

**Information Sheet**

**Introduction**

The INPRO section developed a service package, "Analysis Support for Enhanced Nuclear Energy Sustainability" (ASENES), with the main purpose of facilitating capacity building, in strengthening the competence and skills of national experts, for evaluation of alternative nuclear energy evolution scenarios, and formulation of strategic plans for development and deployment of sustainable nuclear energy.

Responding to strong interest in Member States expressed at the 28<sup>th</sup> INPRO Steering Committee meeting in October 2019, INPRO launched a new collaborative project “ASENES pilot study on sustainable deployment scenarios for small modular reactors (SMRs)” (ASENES SMR). The overall objectives of this project are to provide the identification of success factors for deployment of sustainable NES with SMRs and to identify the scenarios to achieve these targets, including the prospective models of cooperation.

The ASENES SMR collaborative project started with a preparatory consultants’ meeting in September 2020, followed by a start-up technical meeting in June 2021. These meetings were followed by a consultants’ meeting in November 2021 and two technical meetings in 2022 and 2023.

As of September 2023, Armenia (Scientific Research Institute of Energy), Bangladesh, Belarus, China, Indonesia, Jordan, Mexico, Pakistan, Romania, Russian Federation (Institute for Physics and Power Engineering, National Research Centre “Kurchatov Institute” and Private Enterprise “Science and Innovations”), Thailand and Ukraine were participants of the project, and Armenia (Nuclear and Radiation Safety Center), Bulgaria, Chile, Ghana, Malaysia, Morocco, Russian Federation (OKBM Afrikantov), USA, and Viet Nam were observers to the project.

This is the seventh meeting of ASENES SMR, which is an INPRO activity under Task 1: Global Scenarios.

## **Objectives**

The purpose of the event is to discuss and review prospective models (options) of cooperation through joint case studies for the Analysis Support for Enhanced Nuclear Energy Sustainability (ASENES) pilot study on the development and analysis of scenarios involving the identification of success factors for the deployment of sustainable nuclear energy systems with SMRs.

## **Target Audience**

The meeting participants are from INPRO members, specifically covering the following groups.

- Experts participating in the ASENES SMR Collaborative Project and familiar with INPRO ASENES service and tools.
- National experts involved in studying and energy planning with SMR deployment programmes or perspectives in Member States, to bring in their national standpoints and views of relevance to the project.
- Experts representing SMR vendor enterprises, to be familiarized with the spectrum of SMR demand and deployment options in interested Member States.

## **Working Language(s)**

The working language of the event is English. Participants must submit all communications and presentations in English.

## Expected Outputs

The following are expected outputs of this technical meeting on the ASENES collaborative project.

- Identified success factors for the prospective deployment of sustainable nuclear energy systems with SMRs.
- Updated Scope and Schedule of Work until the next technical meeting of ASENES SMR in 2025.
- Meeting report.

## Structure

Working sessions will be in person, with support for virtual participation via Cisco Webex.

The general outline of the meeting will be project status to date, presentations by project participants, observers, and technology holders. The meeting participants will participate in brainstorming and discussion to identify findings, success factors, and conclusions for consideration in the project report.

Secretariat will present status of the project, including draft final report. There will also be a summary of data needed for the case studies based on previous consultants' meeting. The meeting participants will present their case studies, along with findings. Additionally, technology holders will present models of cooperation and provision of data needed for case studies. Observers will be given time to present their observations and preliminary findings.

After the presentations there will be discussions and brainstorming to identify success factors and gaps for prospective deployment of SMRs in nuclear energy systems. These sessions will help formulate the findings and preliminary conclusions for the project final report.

The meeting will conclude with an update to the scope and schedule of work up to Q1 2025, particularly for the implementation of joint case studies and drafting the final project report. Participants and observers will contribute to drafting the meeting report.

## 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 **9 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 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](mailto: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 **9 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](mailto: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.

## **Presentations and Papers**

The meeting will include presentations from IAEA Secretariat, project participants, observers, and technology holders.

Project participants should deliver presentations highlighting the progress on the ASENES SMR case studies, including scope of work, findings and results. Participants should submit a draft report of their case studies for inclusion in the final project report.

Observers should make presentations on their general observations and preliminary findings of the project.

Technology holders will present models of cooperation and provision of data to support case studies.

## **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 **9 August 2024**.

## **Venue**

The event will commence at 9.30 a.m. on Monday, 23 September 2024, Energy and Electrical Engineering Institute, National Polytechnic University of Armenia, 105, Vahan Teryan str., Yerevan 009, Armenia.

The meeting will also be conducted via Cisco Webex for virtual participants.

## **Visas**

Participants who need a visa for entering Armenia should submit the necessary application to the nearest diplomatic or consular representative of Armenia, along with the invitation letter from the Agency.

## **Additional Information**

This meeting will be organized by the IAEA in collaboration with the Government of Armenia through the Scientific Research Institute of Energy.

## IAEA Contacts

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

**Attachment:** Terms of Reference for ASENES SMR

### Local Event Coordinator:

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