



# **Regional INPRO School on Strategic Planning for Sustainable Nuclear Energy**

**Hosted by**

The Government of Hungary

**through the**

Paks Nuclear Power Plant Co. and Ltd.

Paks, Hungary

**2 to 13 June 2025**

**Ref. No.:** ME-RER0049-EVT2500389

## **Information Sheet**

### **Purpose**

The purpose of the event is to train the participants on how to develop competencies needed for long-term strategic planning of sustainable nuclear energy systems at the national, regional, and global levels using the knowledge and basic practical experience of IAEA-INPRO analytical approaches, methods and tools for assessment and analysis of nuclear energy systems.

### **Working Language(s)**

The working language(s) of the event will be English.

### **Deadline for Nominations**

Nominations received after **4 April 2025** will not be considered.

## **Project Background**

Education and training are key factors to the sustainability of the nuclear infrastructure at the national and regional levels. The problems of some developing and industrialized countries regarding education and training requirements are primarily associated with limitations on the resources and capabilities of universities in providing the required scope and quality of education and training. At the same time the levels of nuclear education in the region differ and this create challenges for expanding and sustaining nuclear knowledge. Adequate attention and resources must be devoted, from the outset, to the education and qualification of teachers, and to the cooperation between universities and industry to ensure the provision of hands on experience and on the job training in the nuclear field. Thus, the project aims to enhance capacity and quality of educational institutions for the sustainable, safe, and secure use of nuclear technologies. The regional approach will allow the sharing of information and exchange of knowledge and expertise between countries with well advanced educational programmes and ones which need further assistance to optimize and enhance education programmes through existing networks. The project offers high impact opportunities such as the establishment and strengthening of nuclear education programmes, resource optimization and development of partnerships. It will also enhance cooperation and exchange of experience among the Members States (MSs) in Europe and Central Asia. The harmonization of Member States' priorities, needs and gaps with IAEA recommendations and standards will ensure the consistency and effectiveness of national, regional, European, and international policies in nuclear safety. The project is in line with the Europe Regional Profile (2018–2021) and more specifically with 3.1 “Nuclear and Radiation Safety Knowledge Management and Capacity Building” and will furthermore contribute to nuclear safety and security and multiple Sustainable Development Goals (SDGs) such as 4, 5 and 17.

The IAEA's International Project on Innovative Nuclear Reactors and Fuel Cycles (INPRO) was established in 2000 to ensure that nuclear energy is available to contribute, in a sustainable manner, to the growing energy needs of the current century and beyond. INPRO is one of several key IAEA programmes. It is a forward-looking project that integrates all areas important to the sustainability of nuclear energy. INPRO developed a set of decision support tools for developing nuclear energy scenarios and conducting studies for formulating national strategies for sustainable nuclear energy systems. INPRO disseminates these tools and conducts specialized training in the IAEA INPRO School on Strategic Planning for Sustainable Nuclear Energy (the INPRO School), to help Member States build local expertise for strategic planning for sustainable nuclear energy development. The INPRO School introduces the INPRO concept of nuclear energy sustainability and develop competencies for assessment and analysis of nuclear energy systems to support national decisions on the future use of nuclear energy.

## **Expected Outputs**

On completion of the INPRO School, the participants should be able to:

- explain the concept of sustainable development and the role of sustainable energy development
- demonstrate knowledge and understanding of the IAEA/INPRO concept and approaches for analysis of sustainable nuclear energy systems, including the INPRO methodology for sustainability assessment
- perform basic modelling and analysis of nuclear energy systems using INPRO tools
- describe the innovation process and articulate the role of technological and institutional innovations in the nuclear energy sector in achieving sustainability

## Scope and Nature

During this event, the IAEA and international experts will share their insights and experiences to familiarize the participants with the IAEA/INPRO concepts, methodologies, and tools for performing modelling, analysis, and sustainability assessment of nuclear energy systems. The training program includes lectures, practical exercises, group projects, and technical tours to nuclear facilities, focusing on the following topics related to the sustainability of nuclear energy systems:

- Energy planning and strategies for sustainable development
- Planning for nuclear energy sustainability
- INPRO methodology for assessing sustainability of nuclear energy systems
- The role of innovations for sustainability of nuclear energy systems
- Methods and tools for modelling and analysis of nuclear energy systems
- Evolutionary and innovative reactor designs, including SMRs

## Participation

The participants may come from universities, centres of excellence and vocational institutions in embarking countries that are considering the use of nuclear energy, and universities in countries with nuclear energy programmes that are assessing their existing capabilities or are considering an expansion of the nuclear role.

## Participants' Qualifications and Experience

- Fundamental knowledge in at least one of the following areas: nuclear engineering or technology, energy planning, energy modelling and analysis, or closely related fields.
- Sufficient technical or policy expertise to benefit from in-depth training sessions, hands-on activities, and collaborative exercises.
- Hold (or have held) a teaching or administrative role (e.g., Professor, Department Head, Dean) at an accredited higher education institution.
- Willingness to integrate new knowledge and tools gained from the training into institutional programs, research agendas, or teaching methods.
- Ability to disseminate training insights within their home organizations or networks, potentially leading follow-up workshops, policy briefs, or curriculum enhancements.

## Application Procedure

Candidates wishing to apply for this event should follow the steps below:

1. Access the InTouch+ home page (<https://intouchplus.iaea.org>) using the candidate's existing Nucleus username and password. If the candidate is not a registered Nucleus user, she/he must create a Nucleus account (<https://websso.iaea.org/IM/UserRegistrationPage.aspx>) before proceeding with the event application process below.
2. On the InTouch + platform, the candidate must:
  - a. Finalize or update her/his personal details, provide sufficient information to establish the

required qualifications regarding education, language skills and work experience ('Profile' tab) and upload relevant supporting documents;

- b. Download and complete the [Designation of Beneficiary and Emergency Contact Form](#), and upload to InTouch+ ('Profile' tab under the personal section) specifying the document name. If already provided, kindly discard this step; and
- c. Search for the relevant technical cooperation event (EVT2500389) under the 'My Eligible Events' tab, answer the mandatory questions and lastly submit the application to the required authority.

**NOTE:** Completed applications need to be approved by the relevant national authority, i.e. the National Liaison Office, and submitted to the IAEA through the established official channels by the provided designation deadline.

For additional support on how to apply for an event, please refer to the [InTouch+ Help page](#). Any issues or queries related to InTouch+ can be addressed to [InTouchPlus.Contact-Point@iaea.org](mailto:InTouchPlus.Contact-Point@iaea.org).

Should online application submission not be possible, candidates may download the nomination form for the meeting from the [IAEA website](#).

**NOTE:** A medical certificate signed by a registered medical practitioner dated not more than four months prior to starting date of the event must be submitted by candidates when applying for a) events with a duration exceeding one month, and/or b) all candidates over the age of 65 regardless of the event duration.

## **Administrative and Financial Arrangements**

Nominating authorities will be informed in due course of the names of the candidates who have been selected, and will at that time be informed of the procedure to be followed with regard to administrative and financial matters.

Selected participants will receive an allowance from the IAEA sufficient to cover their costs of lodging, daily subsistence and miscellaneous expenses. They will also receive either a round-trip air ticket based on the most direct and economical route between the airport nearest their residence and the airport nearest the duty station through the IAEA's travel agency AX Travel Management, or a travel allowance, or they will be reimbursed travel by car/bus/train in accordance with IAEA rules for non-staff travel.

## **Disclaimer of Liability**

The organizers of the event do not accept liability for the payment of any cost or compensation that may arise from damage to or loss of personal property, or from illness, injury, disability or death of a participant while he/she is travelling to and from or attending the course, and it is clearly understood that each Government, in approving his/her participation, undertakes responsibility for such coverage. Governments would be well advised to take out insurance against these risks.

## **Note for female participants**

Any woman engaged by the IAEA for work or training should notify the IAEA on becoming aware that she is pregnant.

The Board of Governors of the IAEA approved new International Basic Safety Standards for Protection against Ionizing Radiation and for the Safety of Radiation Sources. The Standards deal specifically with the occupational exposure conditions of female workers by requiring, inter alia, that a female worker should, on becoming aware that she is pregnant, notify her employer in order that her working conditions may be modified, if necessary. This notification shall not be considered a reason to exclude her from work; however, her working conditions, with respect to occupational exposure shall be adapted with a view to ensuring that her embryo or foetus be afforded the same broad level of protection as required for members of the public.

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