



The Abdus Salam
**International Centre
for Theoretical Physics**



Joint ICTP-IAEA INPRO School on Strategic Planning for Sustainable Nuclear Energy

Description:

During this INPRO School, the IAEA and international experts will share their insights and experience to familiarize the participants with the basic concepts, methodology and tools for performing modelling, analysis and sustainability assessment of nuclear energy systems.

MORE INFORMATION:

The International Project on Innovative Nuclear Reactors and Fuel Cycles (INPRO) was established within the IAEA in 2000, with the goal 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.

The IAEA has developed a set of decision support tools for developing nuclear energy scenarios and conducting studies for formulating national strategies for sustainable nuclear energy systems. The INPRO School aims to disseminate these tools and to develop and strengthen the competencies needed for long-term strategic planning of sustainable nuclear energy systems at the national, regional, and global levels. This objective is accomplished by providing knowledge and basic practical experience on the INPRO analytical approaches, methods and tools for assessment and analysis of nuclear energy systems.

The School programme focuses on the following topics related to the sustainability of nuclear energy systems.

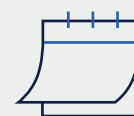
TOPICS:

- 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

SPEAKERS:

A. Bychkov, International Expert
I. Jalal, International Expert
H. Khartabil, IAEA (remote)
A. Kosilov, STAR-NET

C. Margeanu, Institute for Nuclear
Research Pitesti
A. Miassoedov, IAEA
C. Scherer, IAEA



15 - 26 September 2025



Trieste, Italy



**Deadline:
1 June 2025**

DIRECTOR:

M. Gladyshev, IAEA, Austria

LOCAL ORGANISER:

R. Kaiser, ICTP, Italy

FURTHER INFORMATION:



E-mail: smr4101@ictp.it

Web: <https://indico.ictp.it/event/10866/>

Female scientists are encouraged to apply.

GRANTS:

A limited number of grants are available to support the attendance of selected participants, with priority given to participants from developing countries. There is no registration fee.



IAEA
International Atomic Energy Agency
Atoms for Peace and Development

