

Joint ICTP-IAEA School on Nuclear Energy Strategic Planning and Application of the IAEA INPRO Methodology for Sustainability Assessment



26 - 30 September 2022
An ICTP - IAEA Hybrid Meeting
Trieste, Italy

Further information:
<http://indico.ictp.it/event/9827/>
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During this 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.

Description:

The International Project on Innovative Nuclear Reactors and Fuel Cycles (INPRO) was established within the IAEA in 2000, with the goal of ensuring a sustainable nuclear energy supply to help meet 21st century global energy needs. INPRO's activities are centred on the key concepts of global nuclear energy sustainability and the development of long-range nuclear energy strategies, so that nuclear energy is and remains available to meet national energy needs.

The event aims to familiarize the participants with the concept and methodology for nuclear energy system (NES) sustainability assessment and provide theoretical and practical introductory training on INPRO tools for NES modelling and analysis. Young professionals working in the nuclear energy industry, researchers, students and lecturers from technical universities will benefit from a better understanding of the nuclear role in the long-term sustainability of energy production according to national priorities.

Topics:

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

- Energy planning and strategies for sustainable development
- Planning for nuclear energy sustainability
- Economics of nuclear power
- Methodology for assessing the sustainability of nuclear energy systems (the INPRO Methodology)
- Nuclear energy systems modelling and analysis
- Methods and tools for modelling and analysis of nuclear energy systems
- Role of technological and institutional innovations
- Evolutionary and innovative reactor designs, including SMRs
- Technological and national approaches for the nuclear fuel cycle

Director:

M. GLADYSHEV, IAEA, Austria

Local Organiser:

N. BINGGELI ICTP, Italy

Lecturers:

A. BYCHKOV, IAEA
G. FESENKO, International Expert
I. JALAL, International Expert
H. KHARTABIL, IAEA
A. KOSILOV, STAR-NET
A. MIASSOEDOV, IAEA
C. SCHERER, IAEA

How to apply:

Online application:
<http://indico.ictp.it/event/9827/>

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.

Deadlines:

30 July 2022

for applications to attend in person

1 September 2022

for applications to attend online



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