

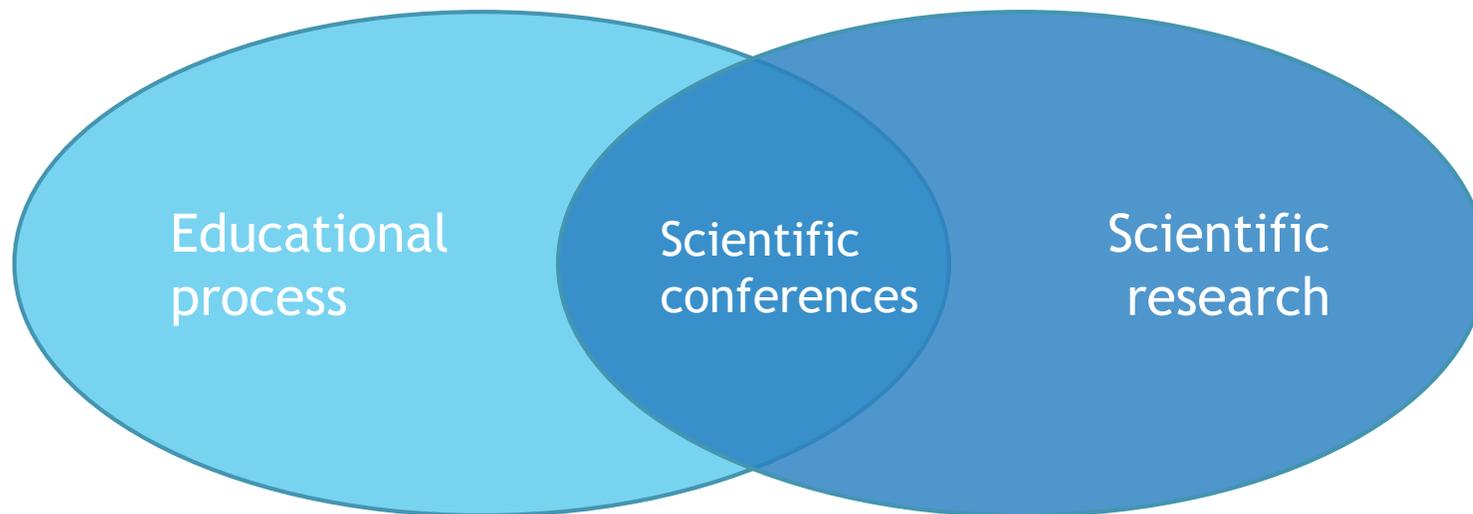


**"The role of the IAEA in the implementation  
of the UN Sustainable Development Goals  
regarding the non-proliferation regime"  
Scientific conference at MEPhI as a way to  
transfer knowledge and experience to  
generations of young professionals**

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# National Research Nuclear University “MEPhI”

- ▶ June 2019 - 65th anniversary of nuclear industry
- ▶ MEPhI:
  - ▶ training of highly qualified specialists in the field of peaceful use of nuclear energy



# United Nations Organization

▶ December 25, 2015 - adoption of 2030 Agenda for Sustainable Development

▶ 17 Sustainable Development Goals (SDGs)

▶ Nuclear technologies - significant role:

- ▶ energy production
- ▶ medicine,
- ▶ agriculture,
- ▶ environmental protection



# International Atomic Energy Agency (IAEA)



- ▶ assistance to IAEA members through its program of technical cooperation in application of nuclear technologies
- ▶ Implementing SDG №9
- ▶ Nuclear and radiation safety standards → increasing safety of nuclear technologies
- ▶ Safeguards system → nuclear non-proliferation regime



# Consequently...

1. There is a need for a broad dialogue between specialists, public and political leaders worldwide on innovative development of nuclear energy technologies with high standards of nuclear, radiation and physical safety, and non-proliferation of nuclear weapons.
2. Education of young professionals and experts in the field of peaceful use of nuclear energy is evermore crucial.
3. An important factor is the participation of veterans in nuclear science, energy and industry.

# International Union of Veterans of Nuclear Energy and Industry (MSVAEP)

- ▶ created in 2010
- ▶ 13 public associations of nuclear veterans
- ▶ 11 countries in Eastern Europe, developing nuclear energy based on Russian technologies and projects
- ▶ only veteran organization accredited to IAEA

PROVIDES ASSISTANCE IN EDUCATING STUDENTS OF IIR MEPHI ON NUCLEAR NON-PROLIFERATION

# International Center for Public Diplomacy (IIR МЕРФИ)



## MISSION

- ▶ to promote the achievement of a stable and sustainable development of civilization through the consolidation of international scientific, educational, economic and cultural relations of Russia in the international academic and industrial communities

## PLANS

- ▶ Autumn 2019 - scientific conference: “The role of the IAEA in the implementation of the UN Sustainable Development Goals regarding the nuclear non-proliferation regime”

# “The role of the IAEA in the implementation of the UN SDGs regarding the nuclear non-proliferation regime” (scientific conference)

## CONCEPT

- ▶ scientific conference of students, undergraduates, graduate students and young scientists
- ▶ situational analysis and discussion under guidance of experienced experts from international veteran organizations of nuclear industry (MSVAEP, etc.)



# “The role of the IAEA in the implementation of the UN SDGs regarding the nuclear non-proliferation regime” (scientific conference)

## GOAL

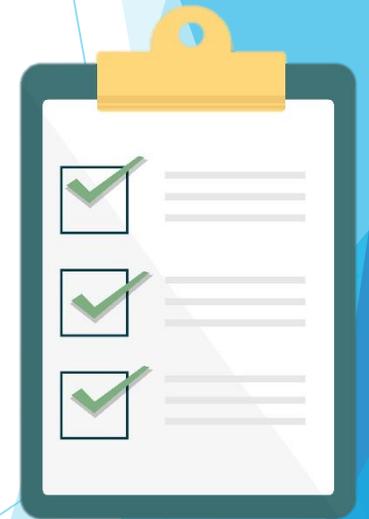
- ▶ to bring students and young specialists to the analysis of modern challenges and current tasks of the IAEA
- ▶ to transfer to them knowledge and experience of nuclear energy veterans in the use of nuclear technologies regarding nuclear non-proliferation issues



# “The role of the IAEA in the implementation of the UN SDGs regarding the nuclear non-proliferation regime” (scientific conference)

## AGENDA

- ▶ Atom for peace and development
- ▶ Nuclear education as a fundamental factor in ensuring sustainable development and peaceful use of atomic energy
- ▶ IAEA safeguards system as an element of international regime for non-proliferation of nuclear weapons



# “The role of the IAEA in the implementation of the UN SDGs regarding the nuclear non-proliferation regime” (scientific conference)

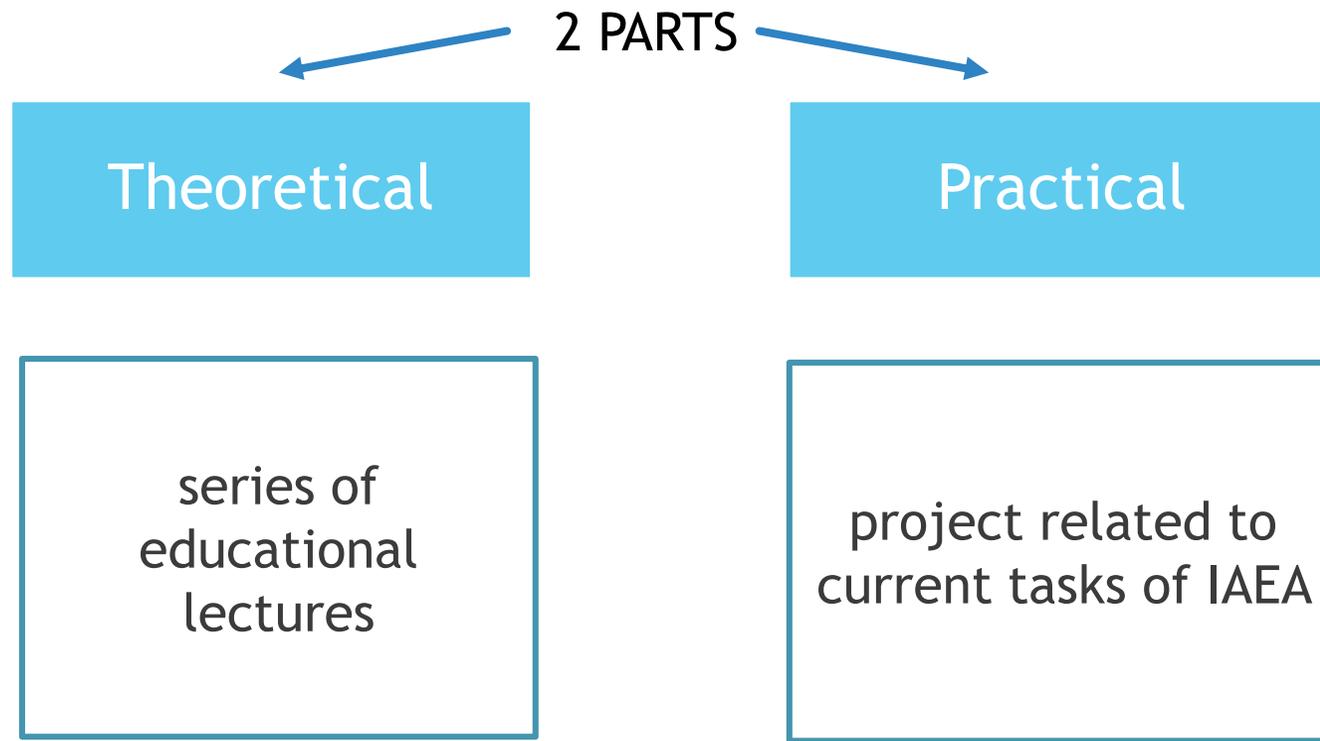
Section 1

Section 2

Section 3

Analysis of current challenges for nuclear power industry and IAEA

# “The role of the IAEA in the implementation of the UN SDGs regarding the nuclear non-proliferation regime” (scientific conference)



# “The role of the IAEA in the implementation of the UN SDGs regarding the nuclear non-proliferation regime” (scientific conference)

## REZULT

- ▶ presented projects will be reviewed by an authoritative commission consisting of teachers of MEPHI and veterans, with a view to the possibility of their publication

## AMBITIONS

- ▶ going global by attracting foreign experts, veterans of nuclear industry, and representatives of academic community

# Bottom Line

The conference will be NRNU MEPhI contribution to:

- ▶ the transfer of knowledge to young generation of nuclear energy specialists
- ▶ drawing attention to current challenges of IAEA, including application of its safeguards system in response to the growth of peaceful use of nuclear energy in the world

**Thank you for your attention!**