



**РОСАТОМ**

ГОСУДАРСТВЕННАЯ КОРПОРАЦИЯ ПО АТОМНОЙ ЭНЕРГИИ «РОСАТОМ»

# **International Training Activities to support HRD for national nuclear programmes**

**Alesia Iunikova**  
Head of the Project Office for Nuclear Infrastructure  
Development  
Obninsk, June 27, 2019

---

**1:** Nuclear Infrastructure Development for newcomer countries

**2:** Rosatom programme for training the IAEA/OECD NEA pull of experts

**3:** Centre for Nuclear Science and Technology – the new Rosatom product

# 1: Positioning of Rosatom Tech as a Training Provider to Support NI Development

## IAEA Milestone approach for establishing NI Organization of Activities in State Atomic Energy Corporation "Rosatom"

### IAEA Milestone Approach



19 (+2)  
issues



3 organizations

OO

**Regulatory Body**  
**NEPIO**

### Milestones for development of NI activities in Rosatom Tech

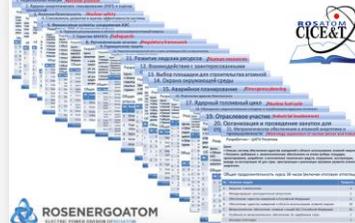
**2011 (55-th GC):**  
Trilateral Practical Arrangements between IAEA, Rosenergoatom and CICE&T (since 08.2017 Rosatom Technical Academy – Rosatom Tech)

**2015:**  
Portfolio of 19+2 bilingual training courses on Nuclear Infrastructure Issues (under contract with Rosenergoatom)

**2017:**  
Extra budgetary contribution of RF in TC Projects on Nuclear Infrastructure

**2018:**  
Model of Nuclear Industry-Recommendation on how to organize the system of nuclear industry (under contract with Rosenergoatom)

**2018:**  
Trilateral Practical Arrangements between IAEA, Rosatom Tech and Emergency Response Centre of Rosatom



### Integrating organization on NI



**2017:**  
appointment of JSC "Rosatom Service" integrator for NI

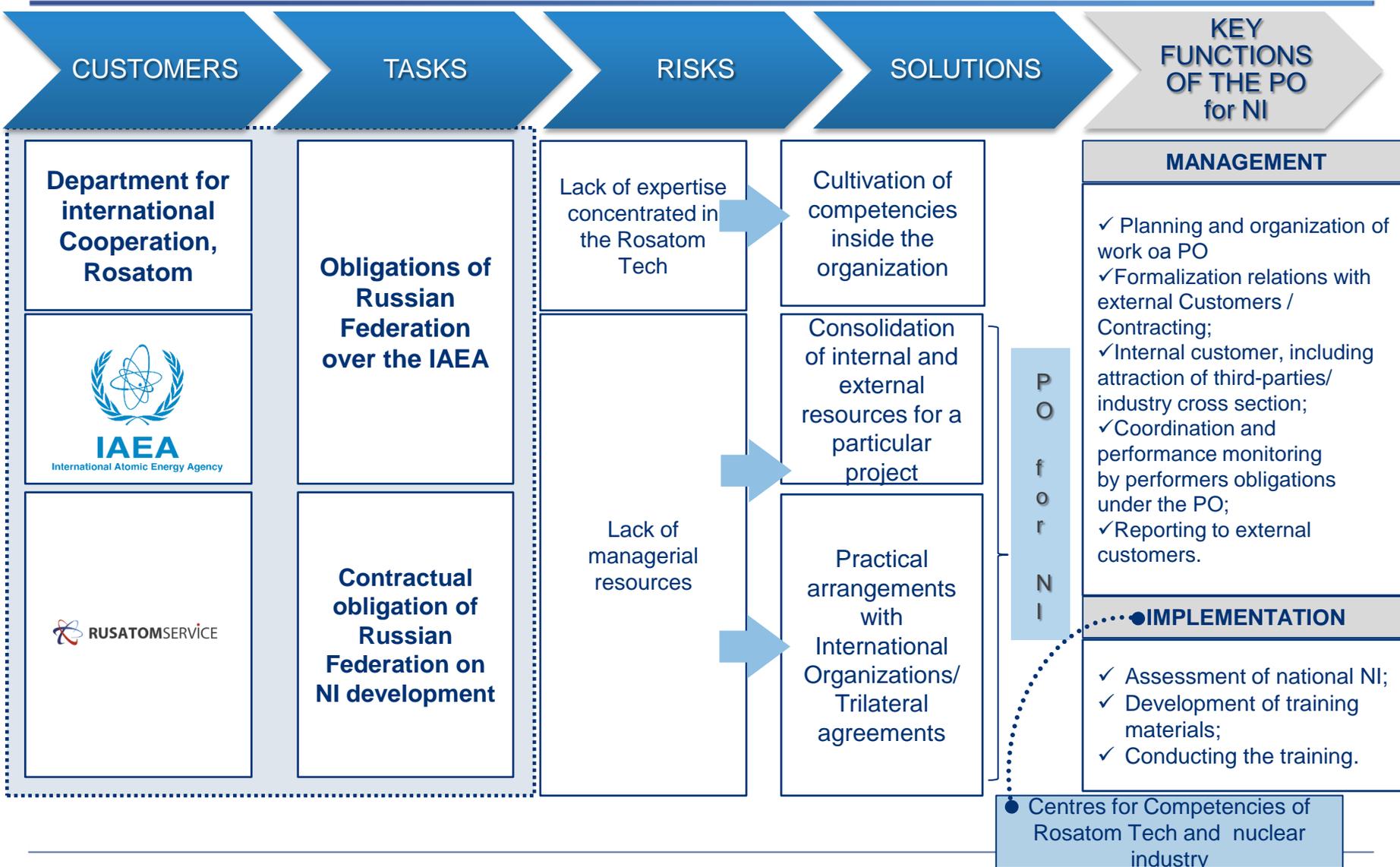
**2018:**  
product offer for evaluation and development NI for a foreign customer contains a package of training programmes (Rosatom Unified Industry Procedure)

**2018:**  
coordination of the project participants on the assessment and development of NI in the new comer countries that are planning to construct nuclear facilities under the Russian projects (Order from 23.05.2018 No. 1/523-П)



**January, 2019:**  
Establishment of the Department for NI in JSC "Rosatom Overseas"

# 1: Rosatom Tech Role (Project Office for NI Development) in the Implementation of NI Projects

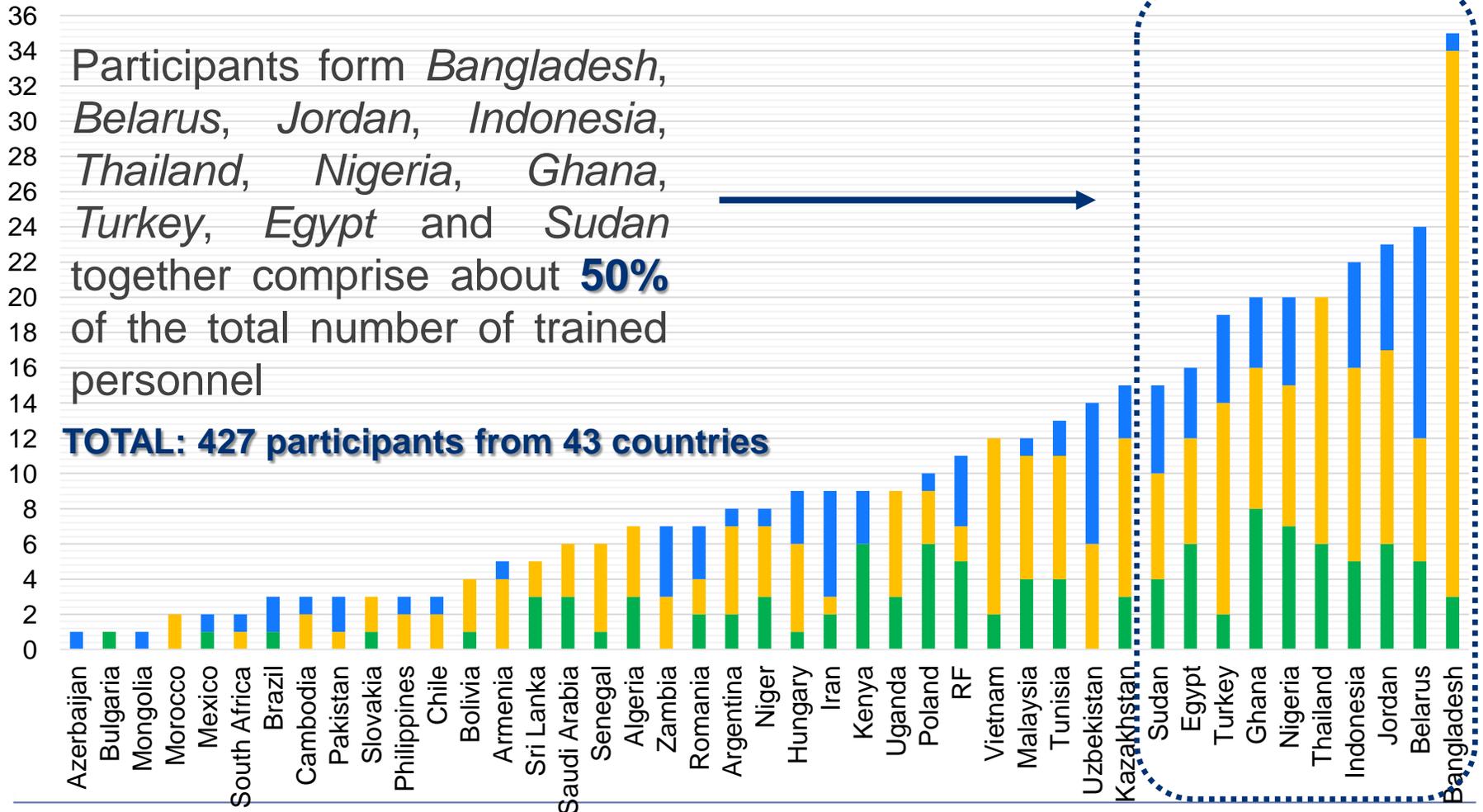


# 1: Dynamics of Training within RF Extra budgetary Contribution to the IAEA-TC



## Number Nuclear Infrastructure Personnel Trained by Country

■ 2017 ■ 2018 ■ 2019

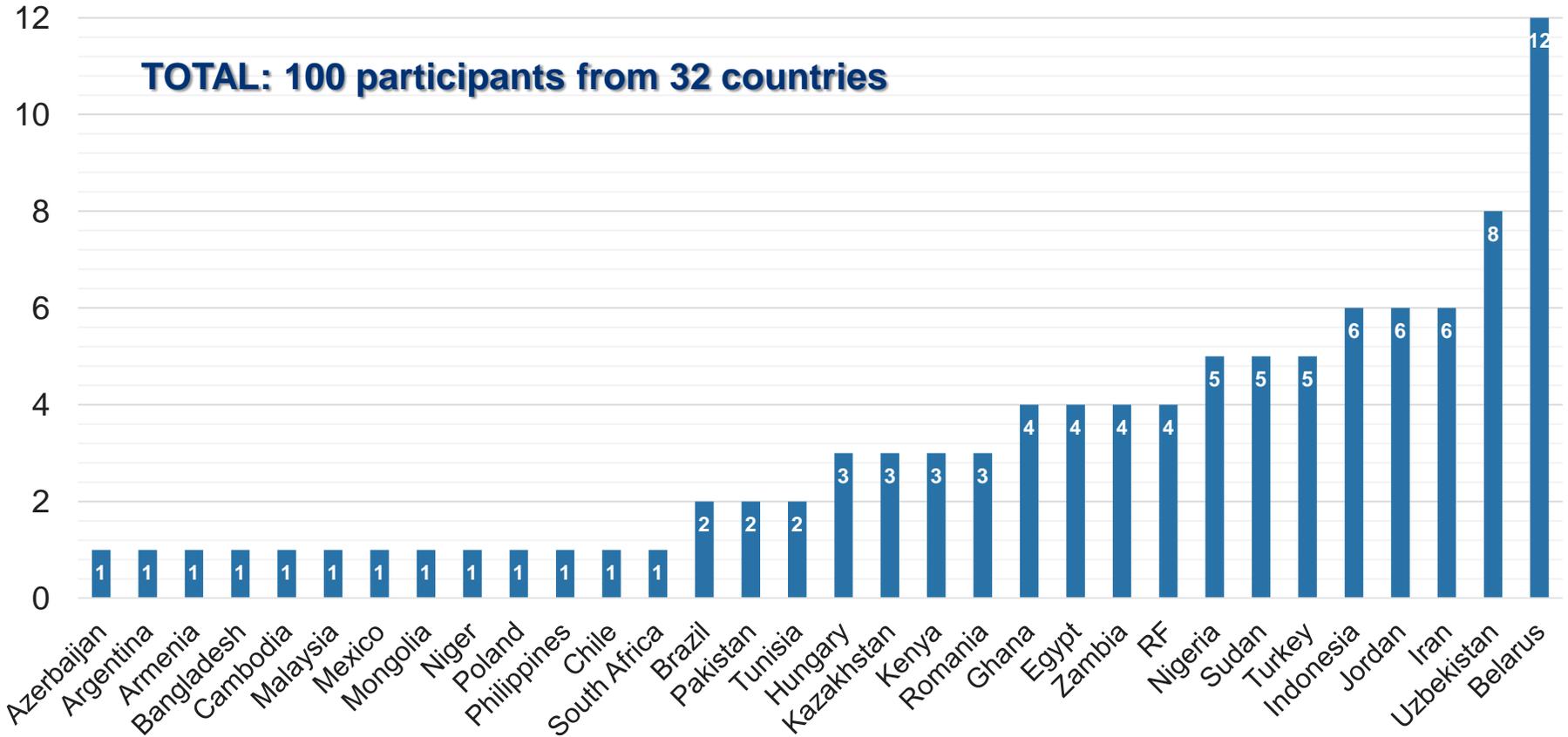


\*as of June 26, 2019

# 1: Number of Participants Trained within RF Extra budgetary Contribution to the IAEA in 2019

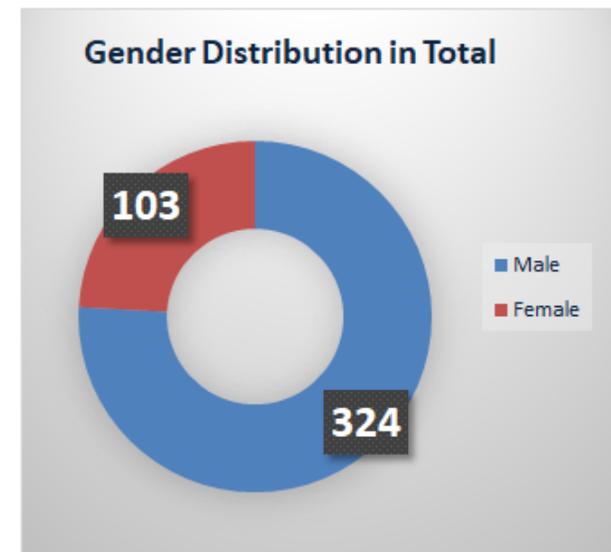
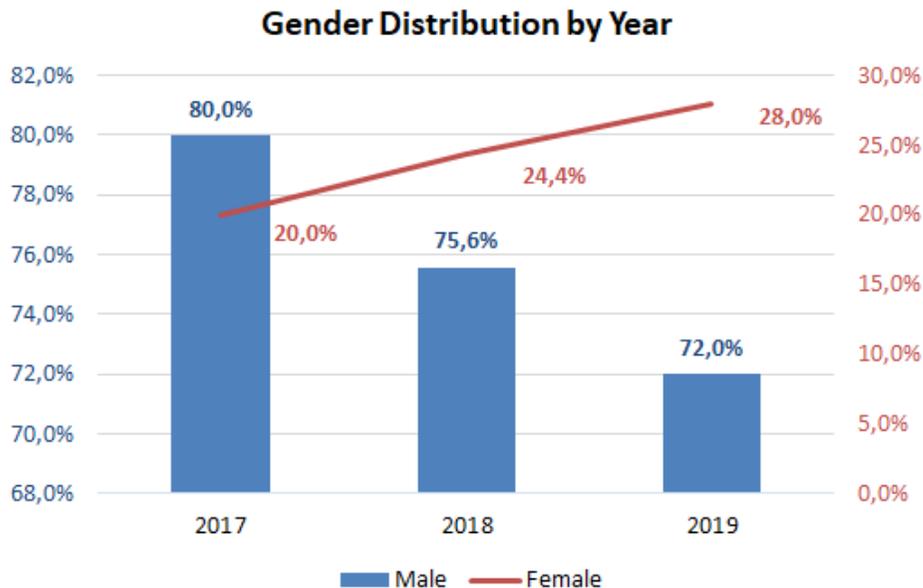


## Number Nuclear Infrastructure Personnel Trained by Country in 2019



# 1: Participants Gender Distribution

- The number of male participants is about **3 times larger** than that of female participants.
- However **there is a tendency** to an increase the proportion of women in the total number of participants



## 2: Objectives and Numbers



**2016** year of the programme launch

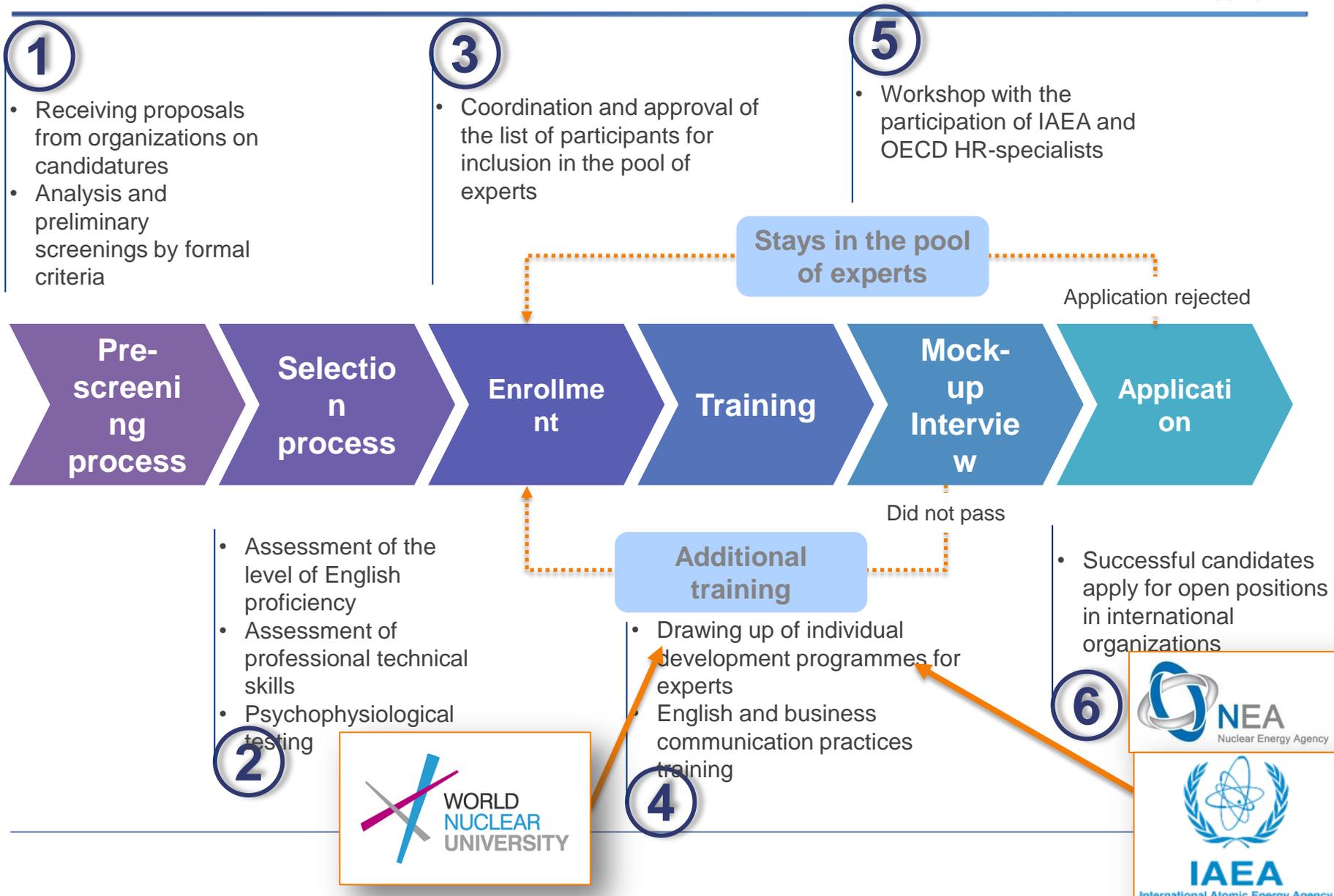
**OBJECTIVE 1**  
to increase the level of professional and technical knowledge and skills of the Rosatom experts applying for positions in the international organizations

**78** total number of Rosatom experts enrolled in the programme within 3 years

**OBJECTIVE 2**  
to strengthen Rosatom nuclear experts competencies required to cooperate with and work in international organizations

**42** organizations affiliated to Rosatom participated in the programme

## 2: Programme Overview





## Workshop on practical recommendations for preparing for the assessment by the international organizations HR-specialists

Workshop includes lectures on the history, structure and activities of international nuclear organizations as well as group works

### WNU-team



### OECD NEA-team



### IAEA-team



2017, 29 out of 46 experts  
2018, 33 out of 58 experts  
2019, 40 out of 122 experts



**IAEA**

International Atomic Energy Agency

### Workshop with the representatives of IAEA Division of Human Resources

- SONRU
- Logical tests
- Panel interview
- Group work

*Workshop includes lectures and practical simulation of the interview process in the international nuclear organizations*



### 3: Steps Towards RT School in Obnisk



**November 11, 2015**

Ms. Patricia Wieland, Head of the World Nuclear University (WNU), visited ROSATOM-CICE&T to assess the capabilities of the Institute in organizing the WNU events



**February 5, 2019**

Rosatom Technical Academy and the World Nuclear University signed agreement to hold a School on Radiation Technologies in Russia



**May 20-21, 2019**

In preparation for the 5th School on Radiation Technologies of the World Nuclear University Ms Klassen visited Rosatom Tech

### 3: WNU School on Radiation Technologies



POCATOM



**SCHOOL ON RADIATION TECHNOLOGIES 2019**



### Previous Radiation Technologies Schools

2017 - Nuclear and Energy Research Institute , São Paulo, Brazil

2014 - Hamad Medical Corporation, Doha, Qatar

2012 - Kyeryong Spatel, Daejeon, Republic of Korea

2010 - Swiss Grand Hilton, Seoul, Republic of Korea



The next WNU School on Radiation Technologies will be held in Obninsk, Russia, from 14 to 25 October 2019.



## 3: Key Activities during the School

### Curriculum

Developed in consultation with an expert Programme Committee, the RT School curriculum covers a wide spectrum of topics relevant to radiation technologies, including:

- Operations, research, development, and regulatory frameworks, including production of radioisotopes, quality assurance and control, safety and security, transport, waste management, and supply chain.
- Current and future applications, including nuclear techniques in healthcare, industrial process management, food and agriculture, environmental protection, and life sciences.



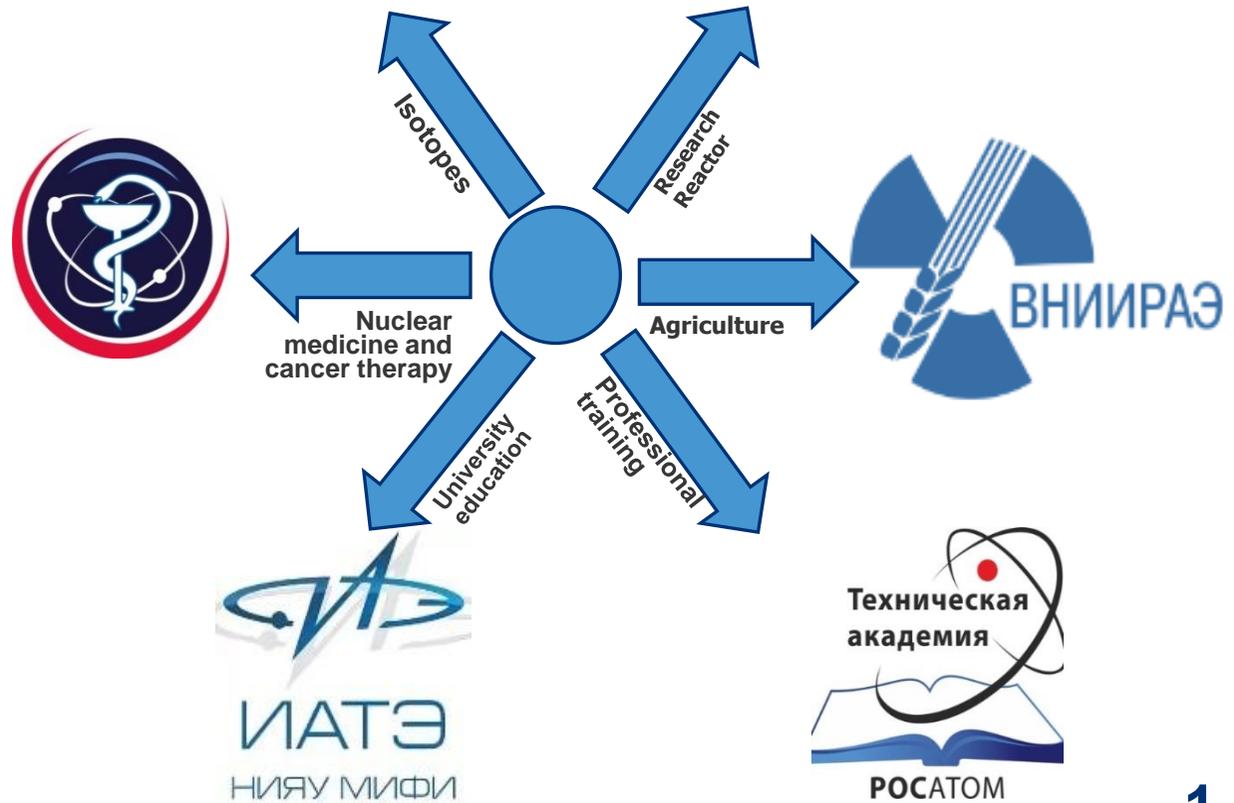
The RT School's intensive two-week programme features:

- Lectures by prominent experts in radioisotopes and radiation technologies and distinguished speakers.
- Small-group work led by mentors, where participants analyse case studies and develop proposals for resolving RT-related issues.
- Technical visits to RT-related sites including medical and industrial facilities.



# 3: Nuclear cluster – Basis for Centre of Nuclear Science and Technology

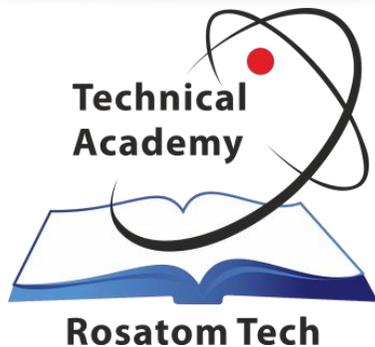
Nuclear cluster



Thank you for Your Attention!



РОСАТОМ



Спасибо!  
(Spasibo!)  
Thank You!

**Aleisia IUNIKOVA**

Head of the Project Office for Nuclear Infrastructure Development

[AVIunikova@rosatomtech.ru](mailto:AVIunikova@rosatomtech.ru)