



Agenda

21st INPRO Dialogue Forum on the Deployment of Small Modular Reactor Projects and Technologies to Support the Sustainable Development Goals

28 August - 1 September 2023, Rosatom Technical Academy,
St Petersburg, Russia

Day 1 – Monday, 28 August (Rosatom Technical Academy)

<i>Time</i>	<i>Topic</i>	<i>Presenters</i>
10:00	Session I: Opening and The role of SMRs in achieving SDGs	Chaired by Mr MRABIT
	- Opening Remarks (5')	Mr. Khammar MRABIT Former DG of the Moroccan Nuclear Regulatory Body, President, PAM Parliamentary Group, Morocco
	- Welcome Address (5')	Mr Pavel PTITSYN, D-Director, PE Science and Innovations, Russia
	- Welcome Address (5')	Mr Sergei LUKOVNIKOV, Head, North European Department, Rostechнадzor, Russia
	- Welcome Address (5')	Mr Viktor MAZEPOV Director for Int'l Cooperation Rosatom Technical Academy, Russia
	- Welcome Address (7')	Ms Aline DES CLOIZEAUX Director, NENP, IAEA
	- Agenda and Objectives (5')	Mr Sung Soo KIM INPRO, IAEA
	- INPRO's Role in Supporting Sustainable Development (15')	Mr Maxim GLADYSHEV In lieu of SH-INPRO, IAEA
	- IAEA Historic and Current Activities in SMRs (20')	Mr M. Hadid SUBKI NPTDS, IAEA
	- INPRO Studies on Transportable Nuclear Power Plants and Modules: Key Findings and Challenges for their Transportation and Regulations (20')	Mr Alexander BYCHKOV INPRO, IAEA
	- Safeguards by Design (SBD) and Current Status of SBD for Advanced Small Modular Reactors (SMRs) (20')	Mr Jae-Sung LEE SG, IAEA
	- Status of SMRs in Korea and Recommendation for Roles of IAEA (20')	Mr Dong Wook JERNG Chung-Ang Univ., R. Korea
	- Questions and Open Discussion (10')	All Participants
12:20	<i>Lunch</i>	

<i>Day 1 – Monday, 28 August (Rosatom Technical Academy) - Afternoon</i>		
<i>Time</i>	<i>Topic</i>	<i>Presenters</i>
14:00	Session II (a) : Current status of SMRs in energy planning for embarking countries	Chaired by Mr SETIADIPURA
	- Opening Remarks (5-10')	Mr Topan SETIADIPURA BRIN, Indonesia
	- Analysis on the gaps and needs of the national regulatory infrastructure in the perspective of increased interest in SMR projects (15')	Mr. Ramin PASHAYEV, State Agency on NRAR, Azerbaijan
	- Present Status of Understanding and Deployment of Small Modular Reactor technologies in Bangladesh (15')	Mr. Shanjib KARMAKER BAEC, Bangladesh
	- Opportunities and Challenges of deploying SMRs in developing countries (15')	Mr Nader M. A. MOHAMED EAEA, Egypt
	- The status of nuclear power Development in Ethiopia (15')	Mr Kaleb Tadesse TEBELU MIN of Water & Energy, Ethiopia
	- SMR Contributions in Indonesian Net Zero Emission Program (15')	Mr Sidik PERMANA BRIN, Indonesia
	- Questions and Open Discussion (10')	All Participants
15:30	<i>Coffee Break</i>	
16:00	Session II (a) : Current status of SMR in energy planning for embarking countries (continued)	Chaired by Mr SETIADIPURA
	- The development of SMRs in Jordan to support achieving sustainability goals (15')	Mr Tariq M. M. MHEIDAT JAEC, Jordan
	- The need for SMR in Lesotho and Role of SMRs with various functions and features in achieving SDGs (15')	Mr Mojalefa SELLO MIN of Infor., Comm., and STI, Lesotho
	- Libya's nuclear energy program and the feasibility of using SMRs to achieve the program's objectives (15')	Mr Musbah ALHENGARI LAEE, Libya
	- Questions and Open Discussion (15')	All Participants
17:00	<i>Adjourn for day</i>	
17:30	<i>Welcome reception</i>	
22:00	<i>Return to Hotel – bus provided</i>	

Day 2 – Tuesday, 29 August (Technical Tour divided by 2 groups)

Technical Tour to the Emergency Preparedness and Response Centre of Rosatom
(International Participants)

1 GROUP

Meet at 07:50 at Orbital Hotel.
Bus departs **PROMPTLY at 08:00**

2 GROUP

Meet at 12:50 at Rosatom Technical Academy.
Bus departs **PROMPTLY at 13:00**

Technical Tour to Krylov State Research Centre
(Russian Participants)

Meet at 08:45 at Rosatom Technical Academy.
Bus departs **PROMPTLY at 09:00**

Day 3 – Wednesday, 30 August (Rosatom Technical Academy) Morning

<i>Time</i>	<i>Topic</i>	<i>Presenters</i>
09:00	Session II (b) : Current status of SMR in energy planning for embarking countries	Chaired by Ms SALNIKOVA
	- Opening Remarks (5-10')	Ms Nadezhda SALNIKOVA OKBM, Russia
	- Assessing the financial viability of SMR and Large reactor in Malaysia electricity market by using IAEA FINPLAN Model: Malaysia case study (15')	Ms Fairuz Suzana M. CHACHULI MNA, Malaysia
	- Nuclear energy policy of Mongolia (15')	Mr Baldorj MYAGMARSUREN MIN of Energy, Mongolia
	- The role of the Research Reactor in contributing to the SDGs and Small Modular Reactor deployment in Nigeria (15')	Mr Uwaisu ADAM Ahmadu Bello Univ., Nigeria
	- Development of future energy in Paraguay: challenges and opportunities (15')	Mr Jorge RODAS Nat'l Univ. of Asuncion, Paraguay
	- Current status of Nuclear Power Program in Philippines (15')	Mr Alvaine N. IBARROLA Department of Energy, Philippines
	- Questions and Open Discussion (10')	All Participants
10:30	<i>Coffee Break</i>	
11:00	Session II (b) : Current status of SMR in energy planning for embarking countries (continued)	Chaired by Ms SALNIKOVA
	- Identification of cooperative frameworks suitable for experimenting irradiation as preservative pre-treatment to an improved fish fermentation tech. developed in Senegal (15')	Mr Michel Bakar DIOP Gaston Berger Univ., Senegal
	- Nuclear Energy Program in Thailand and considerations for SMRs (15')	Mr Peeravuth BOONSUWAN OAP, Thailand
	- Assessing the role of SMRs in Türkiye for promoting new employment opportunities within the context of the Green Transformation and Sustainable Development Goals (15')	Ms Nevriye Simge OZGULEC MIN of Energy & Natural Resources, Türkiye
	- Zambia's Nuclear Programme (15')	Mr Fredrick CHEWE ZAEA, Zambia
	- Questions and Open Discussion (15')	All Participants
12:15	<i>Lunch</i>	

Day 3 – Wednesday, 30 August (Rosatom Technical Academy) Afternoon

<i>Time</i>	<i>Topic</i>	<i>Presenters</i>
13:30	Session III: Host Country Session	Chaired by Mr JERNG
	- Opening Remarks (5-10')	Mr Dong Wook JERNG Chung-Ang Univ., R. Korea
	- Role of the MBIR Project in achieving SDGs (20')	Mr Artem GONCHARUK MBIR Reactor International Research Centre, Russia
	- The case for improving the technical and economic parameters of FR SMRs in Russia (20')	Mr Andrei KASHIRSKII JSC «Proryv», Russia
	- Development of technologies in the sphere of atomic energy and evolution of non-proliferation regime (20')	Mr Vladimir MALEV JSC «Afrikantov OKBM», Russia
	- Logistics system for the creation and deployment of the NPP with SMR (20')	Mr Vladimir USANOV JSC «SSC RF – IPPE», Russia
15:00	Coffee Break	
15:30	Session III: Host Country Session (continued)	Chaired by Mr JERNG
	- SMR Projects: an experience and a perspective (20')	Mr Ilya ZHURAVLEV PE «Science and Innovations», Russia
	- Prospects and aspects of deployment of transportable small modular reactors on the example of SHELF-M (20')	Mr Stepan ZAITSEV JSC «NIKIET», Russia
	- The sustainability assessment of the nuclear energy systems with SMR RITM-200M by INPRO IAEA Methodology (15')	Ms Mariia ROSLAIA JSC «Afrikantov OKBM», Russia
	- Ensuring nuclear safety of nuclear floating power units from the point of view of the maritime law (15')	Ms Daria SIROTKINA JSC «Afrikantov OKBM», Russia
	- Experience of the site licensing the Yakutsk SMR (15')	Mr Andrei CHERNOKNIZHNIKOV JSC «Rosenergoatom», Russia
	- Features and Principles of Regulatory Regulation for the Project of Land-Based SNPP with RITM-200N Reactor Plant (15')	Ms Inna YURINA JSC «Afrikantov OKBM», Russia
	- Safety concept of the project VVER-1 (15')	Mr Vadim TOLSTYKH JSC «OKB Hidropress», Russia
	- Questions and Open Discussion (20')	All Participants
17:30	<i>Adjourn for day</i>	

Day 4 – Thursday, 31 August (Rosatom Technical Academy)

<i>Time</i>	<i>Topic</i>	<i>Presenters</i>
09:00	Session IV: Current status of developing SMRs and their further implementation	Chaired by Ms ROSLAIA
	- Opening Remarks (5-10')	Ms Mariia ROSLAIA
	- Scientific establishment in which the work has been carried out (15')	Mr Vahe GRIGORYAN ANRA, Armenia
	- Diversifying the Brazilian Energy Matrix with SMR (15')	Ms Ana C. de SOUZA LIMA IPEN/CNEN, Brazil
	- Research Progress on Radioactive Source Terms in Lead-Bismuth Fast Reactors and Environmental Impact (15')	Mr Ni MUYI IPCCN-SYSU, China
	- Advancing mechanism of oxide/matrix interface for the internal oxidation of austenitic stainless steel in liquid lead-bismuth eutectic (15')	Mr Min WANG CAS, China
	- Modularization in PHWRs for energy transition (15')	Mr Vijai CHAUDHRY NPCI, India
	- Questions and Open Discussion (10')	All Participants
10:30	Coffee Break	
11:00	Session IV: Current status of developing SMRs and their further implementation (continued)	Chaired by Ms ROSLAIA
	- Replacement of SMR reactors instead of fossil power plants and evaluating competitiveness of SMR reactors with fossil power plants (15')	Mr Mahdi G. ASHRAF AEOI, Iran
	- Small Modular Reactor, Clean and Affordable Energy SWOT Analysis (15')	Mr Atif Mahmood TAYYAB PAEC, Pakistan
	- SMR role in achieving NDC goals in isolated systems (15')	Mr Luis G. GUTIERREZ UNAM, Mexico
	- Issues of personnel training during the integration of nuclear power plants into the energy system (15')	Mr Andrei BUROV STAR-NET
	- Questions and Open Discussion (20')	All Participants
12:20	<i>Lunch</i>	
13:30	Session V: Breakout Session	
	- Introduction to Breakout Session	Mr. Khammar MRABIT Main chair
	- 8 Groups. Each has Group Chair + IAEA/Russia facilitator	All Participants
15:30	<i>Coffee Break</i>	
16:00	- Feedback to all-in-one room	Led by Group Chairs
17:30	<i>Adjourn for day</i>	

<i>Day 5 – Friday, 1 September (Rosatom Technical Academy)</i>		
<i>Time</i>	<i>Topic</i>	<i>Presenters</i>
09:00	Virtual Tour	
	- Virtual Technical Tour to Icebreaker «Academic Lomonosov»	Ms Anastasiia TITOVA Rosenergoatom, Russia
	- Questions and Open Discussion (30')	All Participants
10:30	<i>Coffee Break</i>	
11:00	Session VI: Closing Session	Chaired by Mr GLADYSHEV
	- Chair's summary (20')	Mr. Khammar MRABIT Former DG of the Moroccan Nuclear Regulatory Body, President, PAM Parliamentary Group, Morocco
	- Closing Remarks (10')	Mr Yuri SELEZNEV, Rector, Rosatom Technical Academy
	- Concluding remarks and closing of the meeting (20')	Mr Mikhail CHUDAKOV Deputy Director General, IAEA
11:50	<i>Meeting adjourned</i>	

✘ Plans to upload presentations on the INPRO Dialogue Forum webpage for participants who are not included in the oral presentations, according to their willingness.