



INPRO
International Project on
Innovative Nuclear Reactors
and Fuel Cycles

Agenda 26th INPRO Dialogue Forum on the Deployment of Nuclear Energy Systems for Applications Beyond Electricity

24 August – 28 August 2026, Centara Grand at Central Plaza Ladprao,
Bangkok, Thailand

Day 1 – Monday, 24 August (Vibhavadee Ballroom C)

<i>Time</i>	<i>Topic</i>	<i>Presenters</i>
08:30- 09:00	Registration	
09:00- 10:30	Opening Session	Main Chair: Mr Roppon PICHA, TINT, Thailand
	Call meeting to Order	Mr Roppon PICHA
	Welcome remarks (video)	Mr Mikhail CHUDAKOV DDG, IAEA
	Welcome remarks	Assoc.Prof. Thawatchai ONJUN, Executive Director, TINT
	Objectives and Agenda	Ms Hyun Sook CHO INPRO, IAEA
	IAEA Role in supporting Member States in Strategic Planning for Sustainable Nuclear Energy (INPRO)	Mr Frederik REITSMA, Section head, NPTDS, IAEA
	Nuclear power for non-electric applications and highlights on IAEA activities	Ms Alina CONSTANTIN, NPTDS, IAEA
	Keynote presentation: Thailand Hub of Talents for Nuclear Energy Technology	Assoc.Prof. Thawatchai ONJUN, TINT, Thailand
	Administrative announcement	TINT, Thailand
	Group Photo	All Participants
10:30-11:00	Coffee Break	
11:00-12:30	Plenary Session 1: Scene Setting - Nuclear Energy for Industrial Process Heat	Chaired by Mr Yujie Dong

	Economic and policy requirements for wider applications of SMR in newcomer countries Nuclear Energy Beyond Electricity: Opportunities for Industrial Heat and Hydrogen Production in Türkiye Deployment of Nuclear Energy Systems for Applications Beyond Electricity in Pakistan Discussion	Mr Kampanart Silva, NSTDA, Thailand Ms Hilal Gumuslu, TENMAK, Türkiye Ms Khizra Iqtidar, PAEC, Pakistan
12:30- 13:30	<i>Lunch</i>	
13:30-15:00	Plenary 2: Industrial Heat Applications	Chaired by Mr Shiran Altaher
	Needs of Polish district heating networks and industrial sectors - possible application of the nuclear cogeneration Potential Areas of Nuclear Energy Applications in Mongolia Discussion	Mr Pawel Gilski, ORLEN Synthos Green Energy, Poland Mr Davaa Suren, Nuclear Energy Commission, Mongolia
15:00-15:30	<i>Coffee Break</i>	
15:30- 17:00	Plenary 2: Industrial Heat Applications (cont.)	Chaired by Mr Pawel Gilski
	SMRs for Sustainability: Jordan Case Study on Non-Electric Applications Feasibility of Integrating Nuclear Reactors with Seawater Desalination in Tripoli, Libya: An Assessment within the IAEA INPRO Framework Discussion Nuclear Energy and Cogeneration for Desalination: A Comparative Bibliometric Analysis of Global Research Trends Discussion	Mr Shiran Altaher, JAEC, Jordan Mr Khaled Abdulsalam Hussain Alashtar, Libyan Atomic Energy Establishment, Libya Ms Nur Hasanah, BRIN, Indonesia
17:00	Adjourn for day Departure for the Reception Venue	
18:00	Reception hosted by TINT	

<i>Day 2 – Tuesday, 25 August</i>		
<i>Time</i>	<i>Topic</i>	<i>Presenters</i>
09:00- 10:30	Plenary 3: Advanced High-Temperature Reactor Technologies	Chaired by Mr Topan Setiadipura
	HECTAR: High Temperature Gas-cooled Reactor for Industrial Process Heat	Mr Chan Soo Kim, KAERI, Korea
	Advancing Reactor Technologies for Non-Electric Applications through Experimental Research	Mr Rauf Bikmurzin, ROSATOM Science JSC, Russian Federation
	Development of the industrial-scale HTR-PM and its preliminary application	Mr Yujie Dong, Tsinghua Univ., China
	Discussion	
10:30- 11:00	<i>Coffee Break</i>	
11:00- 12:30	Plenary 4: Nuclear Hydrogen	Chaired by Mr Hossam Gaber
	Deploying a Licensed SMR for Industrial Hydrogen: Cost Conditions for SMART100 Pink Hydrogen in the Republic of Korea	Mr Joo Hyung Moon, KAERI, Korea
	Opportunity and Strategy of Nuclear Energy Implementation for Hydrogen and Ammonia Production	Mr Topan Setiadipura, BRIN, Indonesia
	Status of Clean Hydrogen Production Demonstration	Mr Taewon Kim, KHNP, Korea
	Recent developments in Nuclear Hydrogen Production	Mr Shripad Revankar, Purdue Univ., USA
	Discussion	
12:30- 13:30	<i>Lunch</i>	
13:30- 15:00	Plenary 4: Nuclear Hydrogen (cont.)	Chaired by Mr. Shripad Revankar

	Exploring the Role of SMRs in Integrated Energy Systems: A Case Study of Industrial Heat and Hydrogen in Hungary	Ms Yulia Chernyakhovskaya, STAR-NET
	Resilient Nuclear-Renewable Hybrid Energy Systems and Digital Twin for Practical Planning and Deployments Strategies	Mr Hossam Gaber, UOIT, Canada
	Hydrogen Nuclear Synergy: Pathway to Net zero Discussion	Mr Visarn Lilavivat, NSTDA, Thailand
15:00- 15:30	Coffee Break	
15:30-16:30	Plenary 5: Policy & Infrastructure	Chaired by Mr Chan Soo Kim
	Exploring Malaysia's Potential Contributions and Capabilities in Nuclear Power Plant Cogeneration	Mr Phongsakorn Prak Tom, Malaysian Nuclear Agency,
	Licensing process of future SMRs in Thailand	Ms Pantip Ampornrat, OAP, Thailand
	Discussion	
17:00	Adjourn for day	
Day 3 – Wednesday, 26 August		
Time	Topic	Presenters
09:00- 10:30	Member States presentations 1	Chaired by Mr Kampanart Silva
	The Role of TINT in Supporting the 19 IAEA Nuclear Infrastructure Issues: A Technical Support Organization (TSO) Perspective	Ms Saensuk Wetchagarun
	Sudan Nuclear Power Programme: Status, Challenges and Future Opportunities for Nuclear Energy Applications Beyond Electricity	Mr Ammar Ahmed, Nuclear Power Directorate, Sudan
	Thailand’s Nuclear Energy System Assessment: KIND-ET and CENESO	Ms Piyatida Kaewchinda, KMUTT, Thailand
	Discussion	

10:30-10:40	Introduction of Breakout Sessions	Hyun Sook CHO, INPRO, IAEA
10:40- 11:00	<i>Coffee Break</i>	
11:00-12:30	Breakout Group Discussion 1: From Demonstration to Deployment (Identifying Opportunities and Barriers)	
	Group 1. Applications, Markets and Demand Group 2. Economics, Business Models and Investment Risks Group 3. Regulatory, Governance and Infrastructure Readiness Group 4. International Cooperation and Capacity Gaps	
12:30-13:30	<i>Lunch</i>	
13:30-15:00	Feedback to all	Chaired by Mr Roppon PICHIA
	Presentations: Group Discussion results Discussion	Group chairs (10 minutes each)
15:30	<i>Adjourn for day</i>	
Day 4 – Thursday, 27 August		
Time	Topic	Presenters
09:00~10:30	Breakout Group Discussion 2: Building the Ecosystem (Solutions and Strategies for Deployment)	
	Group 1. Market Development and Demand Creation Group 2. Business Models, Financing and Risk Sharing Group 3. Regulatory Frameworks, Infrastructure and Project Development Group 4. International Cooperation, Capacity Building and Supply Chains	
10:30~11:00	<i>Coffee Break</i>	
11:00~12:30	Feedback to all	Chaired by Mr. Roppon PICHIA
	Presentations: Group Discussion results Discussion	Group chairs (10 minutes each)
12:30~13:30	<i>Lunch</i>	

13:30~15:00	Closing Session: Summary	Chaired by Mr Roppon PICHAI
	Interactive Survey	Hyun Sook CHO, INPRO, IAEA
	Recommendations to the IAEA & Chair's summary	Main Chair
	Closing remarks	Main Chair
	Closing of the meeting	Frederik REITSMA, Section head, NPTDS, IAEA
<i>Day 5 – Friday, 28 August</i>		
<i>Time</i>	<i>Topic</i>	
10:00-12:00	Technical Tour: Research Reactor and Radioactive Waste Management facilities operated by TINT Departure: 10:00 AM, Lobby of Centrara Grand Ladprao	

※ All the presentation files to be uploaded on the INPRO Dialogue Forum webpage.