

		Tuesday, 20 September 2022		
9:30-9:45	1.	Welcome Address - Dir NEFW - SH NFCMS	Ms Olena Mykolaichuk (IAEA) Mr Clément Hill (IAEA)	
9:45-10:05	2.	 Opening remarks Scientific Secretary Overall Objectives of the Technical Meeting Participating Organizations from Member States Chairperson of the TM and Adoption of the Agenda 	Ms Amparo González (NFCMS, IAEA)	
		IAEA Presentations		
10:05-10:25	3.	SMRs Booklet	Hadid Subki (NPTDS, IAEA)	
10:25-10:45	4.	Agency-wide Platform on SMRs and Their Applications	Stefano Monti (NPTDS, IAEA)	
		10:45-11:15 Coffee Break		
11:35-11:55	5.	IAEA On-going Activities on Spent Fuel Management	Amparo González (NFCMS, IAEA)	
11:55-12:15	6.	Information on the IAEA TM on Back End Opportunities and Challenges for Spent e-ATFs Management (June 2022)	David Hambley (NNL, UK)	
		12:15-13:45 Lunch Break		
13:45-14:15	7.	Consideration of Non-Water Cooled Reactors and SMRs in the IAEA Safety Standards	Paula Calle (NSNI, IAEA)	
14:15-14:35	8.	Security Considerations for Back-end of Nuclear Fuel Cycle for SMRs	Tariq Majeed (NSNS, IAEA)	
14:35-14:55	9.	Safeguards Considerations for SMR Fuel Cycles	Kerrin Swan (SGCP, IAEA)	
14:55-15:25	10.	CRP on the Economic Appraisal of SMRs	Saied Dardour (PES, IAEA)	
		15:25-15:55 Coffee Break		
15:55-16:15	11.	Transport Safety and Back End of SMR Fuel Cycle	Shazia Fayyaz (NSRW, IAEA)	
International Perspectives				
16:15-16:35	12.	Update on EC/JRC On-going Activities on the Backend of the Fuel Cycles for SMRs	Concetta Fazio, EC/JRC (20')	
16:35-16:55	13.	Update on OECD/NEA On-going Activities on the Backend of the Fuel Cycles for SMRs	Rebecca Tadesse (OECD/NEA) (20')	
16:55-17:15	14.		Charles McCombie (ERDO) (20')	
17:15-17:30	15.	Wrap up of the day	Chairperson	
Adjourn 17:30h				



		Wednesday, 21 September 2022	
		Member State Presentations	
9:20-9:35	16.	Safety Implications on the Back End of the Fuel Cycle for SMRs	Surik Bznuni (Armenia) (15')
9:35-9:45	17.	Fuel Cycle Considerations for WWR-SM Research Reactor	Azizbek Boltabaev (Uzbekistan) (10')
9:45-9:55	18.	Direct Recycling of SMR Spent Fuel for Uranium Utilization Improvement and Reduction of High Level Nuclear Waste	Nader M.A Mohamed (Egypt) (10')
9:55-10:05	19.	Design Extension Conditions for Spent Fuel Storage at the PWR NPP Krško	Tomi Živko, (Slovenia) (10')
10:05-10:15	20.	The process of decarbonization of the domestic power industry in Poland using SMR reactors - issues related to spent fuel as one of the parameters determining the choice of technology	Miskiewicz Agnieszka (Poland) (10')
10:15-10:25	21.	Considerations and Perceptions for Nuclear Fuel Cycle Back End Related to the SMRs under Consideration in Jordan	Fatmah Al Momani (Jordan) (10')
		10:25-10:55 Coffee Break	
10:55-11:05	22.	Back End of the Fuel Cycle Considerations for Small Modular Reactors	Andrea Salvatores (CEA, France) (10')
11:05-11:20	23.	Advanced nuclear reactors: what about the back end? With a focus on reprocessing/recycling or treatment of various fuel types	Liberge Renaud (Orano, France) (15')
11:20-11:35	24.	Molten Salt Reactor Technology Opportunities of molten salt fuel for actinides management	Vincent Pascal (Orano, France) (15')
11:35-11:50	25.	Integration of MSRs in LW-SMR fleets to close their fuel cycle and/or manage waste	Isabelle Morlaes (Orano, France) (15')
11:50-12:05	26.	Application of a graded approach to the concept of fuel recycling	Olivier Gregoire (MoltexEnergy, Canada) (15')
		12:05-13:20 Lunch Break	<u>, </u>
13:20-13:45	27.	,	Ville Koskinen (STUK, Finland) Tim Schatz (VTT, Finland) (25')
13:45-14:05	28.	Managing Fuel from SMRs: UK Framework and HTGR Gap Analysis (Moved to Thursday)	NNL, UK (20')
14:05-14:15	29.	TRISO Fuel Management Depending on the Choice of the Fuel Cycle research currently conducted at INCT in Poland (Moved to Thursday)	Katarzyna Kiegiel, (Poland) (10')



14:15-14:35	30.	Fuel Cycle Scenarios and Back-End Technologies of	JAEA, Japan (20')
		HTGR in Japan (Moved to Thursday)	
14:35-14:50	31.		Xiaotong Chen (China)
		Measurement of Burnup for SFE Storage	(15')
		(Moved to Thursday)	
		14:50-15:15 Coffee Break	
15:15-15:35	32.	The Anita Program and SMR Spent Fuel Management	Kyle Johnson (Sweden)
		from the Swedish Perspective	(20')
15:35-15:55	33.	Challenges of Small Modular Reactor Used Fuel	George Xu, Blair P.
		Management in Canada	Bromley (CNL, Canada)
			(20')
15:55-16:15	34.	Overview of the U.S. DOE's Office of Spent Fuel and	Jorge Narvaez, Natalia
		Waste Disposition Activities	Saraeza, Stephen Kung
			(DoE, USA) (20')
16:15-16:30	35.	Progress on Considering the Back End of the Fuel Cycle	Stuart Arm (PNNL, USA)
		for Small Modular Reactors	(15')
16:30-16:45	36.	Investigations into Back End of the Nuclear Fuel Cycle	Ramon Pulido (SNL,
		(BENFC) Issues for Advanced Reactor (AR) Fuels and	USA) (15')
		Accident Tolerant Fuels (ATF)	
16:45-17:00	37.		Milos Atz (ANL, USA)
		Management Facility Deployment	(15')
17:00-17:15	38.		Rod McCullum(NEI,
		Used Nuclear Fuel Management in the United States	USA) (15')
17:15-17:30	39.		CNEA, Argentina (15')
		CAREM - the Argentinian Small Modular Reactor (Moved	
		to Thursday)	
17:30-17:40	40.	Wrap up for the day	
Adjourn 17:40			



		Thursday, 22 September 2022	
Member State Presentations			
9:15-9:35	41.	Romanian strategy on safe management of SNF and RW, including the new projects SMR and Generation IV	Romania (20')
9:35-9:50	42.	Advanced nuclear reactors: what about the back end? Focus on spent fuel storage and transportation for various fuel types	France, Orano (15')
9:50-10:10	43.	Transport for Small Modular Reactor Back End Fuel Cycle	Nuclear Transport Solutions, UK (20')
10:10-10:25	44.	Back End of the Fuel Cycle Considerations for the CAREM - the Argentinian Small Modular Reactor	CNEA, Argentina (15')
		10:25-10:55 Coffee Break	
10:55-11:15	45.	Managing Fuel from SMRs: UK Framework and HTGR Gap Analysis	NNL, UK (20')
11:15-11:25	46.	TRISO Fuel Management Depending on the Choice of the Fuel Cycle - research currently conducted at INCT in Poland	Katarzyna Kiegiel, (Poland) (10')
11:25-11:45	47.	Fuel Cycle Scenarios and Back-End Technologies of HTGR in Japan	JAEA, Japan (20')
11:45-12:00	48.	Deconsolidation of HTR-10 Irradiated Fuels & Measurement of Burnup for SFE Storage	Xiaotong Chen (China) (15')
		12:00-13:00 Lunch Break	
13:00-13:15	49.	Break Out Session Objectives and Materials	Ms Amparo González (NFCMS, IAEA)
Bre	ak Out S	Sessions (Please, go to your assigned Room) MOE13,	M0E15, M0E16
13:25-15:00	50.	(LWRs, HTGRs, ARs+MSRs) to identify and discuss gaps/challenges/opportunities for implementing Back End of the Fuel Cycle of SMR Technologies	All
		0-15:30 Coffee Break (All back to M7 or main on-line	session)
15:30-17:30	51.	Summary of discussions from each per Working Team (15' each) on:	All
		challenges/issues/opportunities	
Adjourn 17:30			



Friday, 23 September 2022				
General Discussion on TM Findings and Member States' Recommendations				
9:15-10:45	52.	Review of discussions during TM and Break Out Sessions on gaps/challenges/opportunities for implementing Back End of the Fuel Cycle of SMR Technologies General Discussion on cross-cutting challenges/issues/opportunities	Chairperson to lead All	
10:45-11:15 Coffee Break				
Discussion on potential future IAEA and TM Conclusions				
11:15-13:00	53.	Discussion on potential future IAEA activities, collaborations and path to move forward Conclusions and Closing Session	Chairperson to lead All	
Adjourn 13:00				