

**AGENDA**  
**October 6, 2023**

<b>8:30 - 9:00</b>	<b>Registration and Poster Session</b>
9:00 - 9:10	Welcome, Farrah Norton, Science and Technology Program Manager, Atomic Energy of Canada Ltd
9:10 - 9:20	Remarks from Atomic Energy of Canada Ltd, President and CEO Fred Dermakar
9:20 - 9:30	Remarks from co-chair of sub-committee, Adrienne Ethier, Canadian Nuclear Safety Commission

<b>Guest Speakers</b>		
9:30 - 9:50	Canada's Radioactive Waste Policy and the Federal Nuclear Science & Technology Work Plan	Pui Wai Yuen, Director of Uranium and Radioactive Waste Division, Natural Resources Canada
9:50 - 10:10	Trends in Regulatory Research	Peter Elder, Vice President, Technical Support, Canadian Nuclear Safety Commission
10:10 - 10:30	RADium effects on AquaTic OrgaNisms (RADIATION)	Claude Fortin, Professor, Institut National de la Recherche Scientifique
10:30 - 10:50	COG Decommissioning and Long-Term Waste Management Program Status and Plans	Yevgeniya Le, Program Manager – Health, Safety and Environment, CANDU Owners Group
<b>10:50 - 11:20</b>	<b>Break and Poster Session</b>	

<b>SESSION 1</b>		
11:20 - 11:40	The Regional Information Monitoring Network for the Ottawa River Watershed	Samantha Longo, Nuclear Expert Support Coordinator, Environment and Climate Change Canada
11:40 – 12:00	Overview of environmental stewardship and radioactive waste management theme area	Marie-Claude Gregoire, Head of Directorate, Health and Environment, Canadian Nuclear Laboratories

12:00 - 12:20	Overview of the Environmental Stewardship Research Program	Jennifer Olfert, Manager – Environment and Waste Technologies Branch, Canadian Nuclear Laboratories
12:20 - 12:50	Predictive Modelling and Methods	Stephanie Walsh, Environmental Biologist, Canadian Nuclear Laboratories
<b>12:50 - 1:50</b>	<b>Lunch and Poster Session</b>	

<b>SESSION 2</b>		
1:50 - 2:10	Understanding Migration of Radionuclides in the Environment	Matt Bond, Research Scientist, Canadian Nuclear Laboratories
2:10 - 2:40	Impact of Radionuclides on Humans and Biota	David Rowan, Radioecologist, Canadian Nuclear Laboratories
2:40 - 3:00	Overview of the Waste Management Research Program	Jennifer Olfert, Manager – Environment and Waste Technologies Branch, Canadian Nuclear Laboratories
<b>3:00 - 3:30</b>	<b>Break and Poster Session</b>	

<b>SESSION 3</b>		
3:40 - 4:00	Understanding the Impacts of SMR Development & Operations	George Xu, Research Scientist, Canadian Nuclear Laboratories
4:00 - 4:20	Understanding Long-Term Storage Conditions	German Cota-Sanchez, Research Scientist, Canadian Nuclear Laboratories
4:20 – 4:40	Technologies for Non-Fuel Radioactive Waste & Remediation	George Xu, Research Scientist, Canadian Nuclear Laboratories
<b>4:40 – 4:45</b>	<b>Closing Remarks and Adjourn</b>	

**POSTER SESSION**

<b>Poster Title</b>	<b>Lead Presenter</b>
Assessment of the Effects of Long Term Storage on Spent Nuclear Fuel	German Cota-Sanchez
Assessing the environmental risk from releases of naturally occurring radioactive materials (NORM) in the western Canadian oil patch.	Stephanie Walsh
Improve the understanding of the environmental impacts and waste of SMR operations in support of the Pan-Canadian SMR Roadmap activities	George Xu
Micromechanical examination of degradation of copper coatings	Vineet Bhakhri
Mass balance of NORM and anthropogenic radionuclides in the Ottawa River basin	Matt Bond
Biological cycling of Cs-137: a bioremediation opportunity	David Rowan
Ra-226 water quality guidelines	Marilyne Stuart
Experiment and modeling of gas generation and migration in long term deep geological repository (DGR)	Liyan Qiu
SMR spent fuel characterization and depletion inventory for understanding of the environmental impacts and waste of SMR operations	Xiaolin Wang
Processing technologies for challenging waste streams	George Xu
Canadian Nuclear Fuel Reprocessing and the Implications for SMR Development in Canada - Definition Phase	Dan Wojtaszek
Quantifying ecological half-life at tritium-contaminated sites in recovery	Vlad Korolevych
Evaluate and field test countermeasures for radionuclides in Canadian agricultural and aquatic environments	David Rowan
Improving the measurement and understanding of fate and transport of low-level radionuclides in the environment	Stephanie Walsh
Graphite Waste Management	Ephraim Bulemela

# Enhancing national and global security, nuclear preparedness and emergency response

Definition Project: A dosimetry field study to assess dose to reptiles and amphibians on the Chalk River Laboratories site	Matt Bond
Development of a baseline for radionuclides (tritium and gamma emitters) for the marine ecosystems of Canada's west coast	Elizabeth Priebe
Investigate a platform to integrate fate and transport, and food web models developed at CNL for Canadian freshwater ecosystems - Definition project	Emily Saurette
Investigating the influence of climate on radioecology in the far north, and under climate controlled conditions	Elizabeth Priebe
Comprehensive environmental modelling of Great Lakes	David Rowan