

Day 1 | October 25, 2022 Presentations

Start	End	Title and Author(s)	Session
1:00	1:10	Welcome, Land Acknowledgement and Opening Remarks <i>The Honourable Minister Pirie, Ministry of Mines</i>	Critical Minerals: Opportunities in Ontario
1:10	1:40	Rare Element-Bearing Granitoids: Exploration and Mapping Strategies <i>Manuel Duguet – ERGMS</i>	
1:40	2:00	Ontario Critical Minerals Projects and Exploration Opportunities <i>Mark Puumala – RGP</i>	
2:00	2:05	Catching it by the Tailings: An Introduction to the OGS Critical Minerals Mine Waste Sampling Project <i>Darla Bennett – RGP</i>	
2:05	2:25	Preliminary Results of Bedrock Geology Mapping of the Quetico Subprovince, Shebandowan Greenstone Belt and Midcontinent Rift North of Thunder Bay <i>Riku Metsaranta – ERGMS</i>	
2:25	2:30	Break	
2:30	2:40	Introduction to the OGS Fertile Granites Project <i>Robert Cundari – RGP</i>	
2:40	3:00	Update on the Precambrian Geology of the Georgia Lake Area, Quetico Subprovince, Northwestern Ontario <i>Manuel Duguet – ERGMS</i>	
3:00	3:05	Investigation of Biogeochemistry Exploration Techniques to Aid in Exploration for Lithium-Cesium-Tantalum (LCT) Pegmatite Units <i>Ethan Amyotte – RGP</i>	
3:05	3:25	The Natural Refinement of Gold and its Critical Element Association <i>Evan Hastie – ERGMS, Julian Melo-Gómez – LU, Harold Gibson – LU, Kimberly Tait – ROM, Dave Crabtree – Geo Labs, Brian Langelier – McMaster University, and Joe Petrus – Elemental Scientific Lasers</i>	
3:25	3:35	Break	Resources to Explore Ontario
3:35	3:55	Analytical Developments at the Ontario Geological Survey Geoscience Laboratories in Support of Ontario's Critical Minerals Strategy <i>Marcus Burnham – Geo Labs</i>	
3:55	4:10	The Role of the Geoscience Laboratories Mineralogy Section in Supporting Ontario Geological Survey Projects <i>Dave Crabtree – Geo Labs</i>	
4:10	4:15	Producing and Delivering the Best Provincial Geoscience Data for Users <i>Carlo Castrechino – PSU</i>	
4:15	4:20	Break	
4:20	4:50	A Demo of OGSEarth Data Sets Including OGSFocus and the OGS GeoData Listing <i>Genevieve Dorland – RGP</i>	
4:50	5:00	Adding New Data Sets: A Work in Progress <i>Sonia Préfontaine – ERGMS</i>	
5:00	5:05	Introducing the OGS Virtual Field Trip: Geology of the Sudbury Impact Structure <i>Caroline Gordon – ERGMS, Shirley Péloquin – RGP, and Patrick Gervais – ERGMS</i>	
5:05	5:15	Resident Geologist Program's Drill Core Libraries – An Invaluable Tool for Exploration <i>Dawn-Ann Metsaranta – RGP</i>	
5:15	5:30	Wrap-up	
5:30	6:30	Student Information Session: OGS Employment Opportunities <i>Lianna Vice and Andrea Marich – ERGMS</i>	

Day 2 | October 26, 2022 Presentations

Start	End	Title and Author(s)	Session
1:00	1:10	Welcome, Land Acknowledgement and Opening Remarks <i>Steven Beneteau, Director, OGS</i>	Insights into Northeastern Ontario's Geology
1:10	1:30	Exploration, Mining and Resident Geologist Program Activity Update for the Timmins and Sault Ste. Marie Districts <i>Zeinab Azadbakht – RGP</i>	
1:30	1:50	Exploration, Mining and Resident Geologist Program Activity Update for the Kirkland Lake and Sudbury Districts <i>Peter Chadwick – RGP</i>	
1:50	2:10	Bedrock Mapping of the Southern Swayze Area, Abitibi Subprovince <i>Thomas Gemmell – ERGMS</i>	
2:10	2:25	Bedrock Mapping of the Northeast Swayze Area, Abitibi Subprovince <i>Peter MacDonald and Lianna Vice – ERGMS</i>	
2:25	2:30	Break	
2:30	2:50	Bedrock Mapping of the Northeastern Michipicoten Greenstone Belt <i>Lianna Vice, Lise Robichaud and Joseph Walker – ERGMS</i>	
2:50	3:20	Northern Ontario's Warmer Geological Past: Evidence for Carolinian Forest Under a Much Warmer Climate in the James Bay Lowland in the Mid-Pliocene <i>Cunhai (George) Gao – ERGMS</i>	
3:20	3:40	Beyond the Clay: Quaternary Geological Mapping of Ontario's Great Clay Belt <i>Andrea Marich – ERGMS</i>	
3:40	3:50	Break	
3:50	4:10	Exploration, Mining and Resident Geologist Program Activity Update for Southern Ontario <i>Laura Mancini – RGP</i>	Insights into Southern Ontario's Geology
4:10	4:25	From Mighty Moraines to Dramatic Drumlins: Introducing the Guelph 3-D Sediment Mapping Project <i>Abigail Burt and Grant Hagedorn – ERGMS</i>	
4:25	4:55	Subsurface Alternative Energy Storage Initiatives in Paleozoic Strata, Southwestern Ontario <i>Frank Brunton – ERGMS</i>	
4:55	5:00	Break	
5:00	5:10	Correlating the Basal Paleozoic Succession in Southern Ontario—From Chaos to Clarity <i>Catherine Béland Otis, Frank Brunton and Katherine Hahn – ERGMS</i>	
5:10	5:25	Geologic Mapping of Potentially Alkali Carbonate Reactive Beds in the Kingston Area <i>Katherine Hahn – ERGMS</i>	
5:25	5:45	Geological Controls on Porosity and Permeability in the Early Silurian Lockport and Salina Groups, Southwestern Ontario <i>Shuo Sun – UWO, Frank Brunton – ERGMS, Terry Carter – CarterGeologic, and Hazen Russell – GSC</i>	
5:45	6:05	Subsurface Correlation of the Lower Silurian Medina Group, Southwestern Ontario <i>Rhys Paterson – UWO, Frank Brunton – ERGMS, Al Phillips – Clinton-Medina Group, and Jisuo Jin – UWO</i>	
6:05	6:10	Wrap-up	

Day 3 | October 27, 2022 Presentations

Start	End	Title and Author(s)	Session
1:00	1:10	Welcome, Land Acknowledgement and Opening Remarks <i>John Hechler, Senior Manager, ERGMS</i>	Insights into Northwestern Ontario's Geology
1:10	1:30	Exploration, Mining and Resident Geologist Program Activity Update for the Red Lake and Kenora Districts <i>Paul Malegus – RGP</i>	
1:30	1:50	Exploration, Mining and Resident Geologist Program Activity Update for the Thunder Bay North District <i>Sophie Kurucz – RGP</i>	
1:50	2:10	Exploration, Mining and Resident Geologist Program Activity Update for the Thunder Bay South District <i>Dorothy Campbell – RGP</i>	
2:10	2:30	Geology of the Rowan–Kakagi Greenstone Belt, Western Wabigoon Subprovince <i>Steven Meade – ERGMS</i>	
2:30	2:35	Break	
2:35	2:55	Geology of the “Ring of Fire” Region <i>Riku Metsaranta – ERGMS, and Michel Houlé – GSC</i>	Discovering the Geoscience of Ontario's “Ring of Fire”
2:55	3:15	“Ring of Fire” Chromite Deposits: End of the Story? Results of Till and Modern Alluvium Sampling <i>Cunhai (George) Gao – ERGMS, and Dave Crabtree – Geo Labs</i>	
3:15	3:35	Peat Geochemistry and Soil Gas Hydrocarbon Data Over Known “Ring of Fire” Nickel-Copper and Chromium Deposits: Potential Exploration Method in Thick Peat Landscapes of the Far North <i>Laura Handley – ERGMS, and Richard Dyer – Landscape Geochemical Services</i>	
3:35	3:45	Break	
3:45	4:05	Trace Element Content of Gold Across Ontario: An Update on the Gold Fingerprinting Project <i>Julian Melo-Gómez – LU, Evan Hastie – ERGMS, Harold Gibson – LU, Kimberly Tait – ROM, and Joe Petrus – Elemental Scientific Lasers</i>	Insights into Province-wide Geology
4:05	4:25	Probing the Earth: Geophysics at the OGS <i>Saurav Biswas and John (Yanni) Evangelatos – ERGMS</i>	
4:25	4:35	Resident Geologist Program's Land Use Geology – Informing Land-Use Planning Decisions <i>Catherine Daniels – RGP</i>	
4:35	4:40	Break	
4:40	5:10	OGS Virtual Field Trip: Geology of the Sudbury Impact Structure <i>Caroline Gordon – ERGMS, Shirley Péloquin – RGP, and Patrick Gervais – ERGMS</i>	
5:10	5:15	Event Wrap-up	

Organization Abbreviations:

ERGMS – Earth Resources and Geoscience Mapping Section, OGS

Geo Labs – Geoscience Laboratories, OGS

GSC – Geological Survey of Canada

GSS – GeoServices Section, OGS

LU – Laurentian University

OGS – Ontario Geological Survey

PSU – Publication Services Unit, OGS

RGP – Resident Geologist Program, OGS

ROM – Royal Ontario Museum

UWO – University of Western Ontario