

Feb. 19/02

METALS IN THE ENVIRONMENT RESEARCH NETWORK (MITE-RN)

ANNUAL RESEARCH SYMPOSIUM

February 27- 28, 2002

Crowne Plaza, 101 Lyon Street, Ottawa, Ontario Phone: 613-237-3600 Fax: 613-237-2351

Hotel web site: www.crowneplazaottawa.com

DATE	TIME	FUNCTION	PARTICIPANTS	LOCATION
Tues. Feb. 26	3:00 p.m. -	- EAP Closed meeting	- EAP & Indiv. Univ Domain Leaders	- Suite #2503
	6:30 - 9:00 p.m.	- EAP Dinner Meeting	- EAP & 6 Domain Leaders	- Suite #2503
	8:00 - 10:00 p.m.	- SSC Closed meeting	- SSC Members	- Chaudière
Wed. Feb. 27	7:30 - 8:30 a.m.	- Breakfast		- Panorama
	8:30 a.m.	- Welcome	- P. Campbell	- Richelieu/Frontenac
	8:35 a.m. - noon.	- 6 Sources Domain Presentations ¹	- See list below	- Richelieu/Frontenac
	10:15 a.m.	- Coffee		- Foyer
	12:00 p.m.	- Lunch		- Panorama
	1:00 pm	- 8 Processes Domain Presentations ²	- See list below	- Richelieu/Frontenac
	2:45 p.m.	- Coffee (15 minute break)		- Foyer
	4:15 p.m.	- Attended Poster Session & Cash Bar	- Joint MITE- RN/GSC-MITE	- Pinnacle
	6:30 p.m.	- Dinner & Cash Bar		- Panorama
8:00 - 9:00 p.m.	- Attended Poster Session continued		- Pinnacle Room	
9:00 p.m.	- EAP Closed Meeting	- EAP	- Suite #2503	

Thurs. Feb.28	7:30 a.m. 8:30 a.m. 10:15 11:30 p.m. Noon 11:30 a.m. 1:30 p.m. 1:40 p.m. 2:30 p.m. 3:15 p.m. 4:30 p.m. 7:00 - 9:00 p.m..	- Breakfast - 6 Impacts Domain Presentations ³ - Coffee (15 minute break) - Student Awards (3) for Best Poster - Lunch - EAP Working Lunch - Expert Advisory Chair's report - Ecological Risk Assessment Roundtable - ERA European presentations ⁴ - Coffee (15 minute break) - <u>Symposium close</u> - SSC Closed Meeting	- See list below - J. Klaverkamp - EAP members - J. Klaverkamp - Peter Chapman - TBA - SSC	- Panorama - Richelieu/Frontenac - Richelieu/Frontenac - Panorama - Suite 2503 - Richelieu/Frontenac - Richelieu/Frontenac - Richelieu/Frontenac - Foyer - Suite #2503
Fri. Mar. 1	8:30 a.m. 10:00 a.m. 12:20 p.m. 1:30 - 4:30 p.m.	- Metals Speciation Roundtable - Coffee break - Lunch - MITE-RN Closed Board of Directors Meeting	- By invitation only - Board Members	- Richelieu - Foyer - Buffet in Foyer - Richelieu - Chaudière

¹ **Sources Research Domain Presentations**

Domain Overview (M. Lamoureux, and R. Garrett, Domain Leaders)

- 1) 2001, a Yukon odyssey: Metals on particulates and gaseous mercury fluxes. (Edwards)
- 2) *In situ* solid state chemical speciation of some metal pollutants associated with atmospheric particulate matter of varying size. (Lamoureux)
- 3) Metal deposition histories in lake sediments: Influence of geochemical mobility of metals, diagenesis and local watershed perturbations. (Carignan)
- 4) Metal species associated with atmospheric particulate matter/aerosols - method development. (Lu)
- 5) Development of sensitive techniques for the chemical analysis of aerosolic particulates. (Spiers)
- 6) The role of bacteria in the mobilization of arsenic from mine-impacted sediments. (Palace)

²Processes Research Domain Presentations

Domain Overview (B. Hale and G. Rawn, Domain Leaders)

- 1) Post-depositional mobility of trace elements in northern forest ecosystems. (Hale)
- 2) Development of rational models for relating metal accumulation by aquatic organisms to metal concentrations in their environment: relative importance of ambient metal sources. (Hare)
- 3) Quantification and modelling of metal mobility in lakes. (Diamond/Evans)
- 4) The competing ligand exchange method with electrochemical techniques for determination of speciation parameters in lake waters. Are speciation parameters significant in terms of the needs of MITE-RN? (Chakrabarti)
- 5) Importance of reduced sulfur species in controlling metal speciation in surface waters on the Canadian shield: Methodological development and preliminary results. (Wang)
- 6) Biogeochemical cycling in the boreal forest - metal concentrations in woody tissues - Phase II. (Begin)
- 7) The availability of trace metals in the rhizosphere of contaminated soils from the Sudbury area. (Courchesne)
- 8) Trace metal mass balances for Plastic Lake and its catchment (Dillon)

³Impacts Research Domain Presentations

Domain Overview (P. Campbell and Uwe Borgmann, Domain Leaders)

- 1) Predicting metal and metal mixture effects in aquatic biota. (Dixon)
- 2) The biotic ligand model: making it work in the real world. (Wood)
- 3) Links between tissue metal burdens in indigenous fish and metal induced effects of the organism and population levels. (Campbell)
- 4) Food chain transfer of mercury in ecosystems impacted by mining/smelting activities, or by Hg from natural geological sources. (Scheuhammer for Chan)
- 5) Quantitative synthesis of aquatic environmental effects studies for metal mines of the Precambrian Shield. (Grapentine)
- 6) Impacts of metal-contaminated forest soils from the Canadian Shield on terrestrial organisms. (Feisthauer for Scroggins)

*** 10 minutes for the Domain Overview (by Domain Leaders) and 25 & 5 min. for platform talks & questions.**

⁴ERA European Metals Presentations

- 1) Environmental Risk Assessment in the EU: Principles and Problems for Metals (I. Schoeters, European Copper Institute)
- 2) Zinc EU Existing Substances Risk Assessment: Status Update (A. Green, Lead Zinc Research Organization)
- 3) Nickel EU Existing Substances Risk Assessment: Status Update (L. Ortego, NiPERA, Durham, N.C.)

Notes:

- 1) **MITE-RN Research Symposium Presentations** in Richelieu/Frontenac
- 2) **Expert Advisory Panel Closed Meetings** will be in Suite 2503
- 3) **MITE-RN Board of Directors' Closed Meeting:** Feb. 28, 2002, 1:30 - 4:30 p.m. in Chaudière
- 4) Room for Domain meetings, if requested - Joliet Room Feb. 27; Chaudière Room, Feb. 28
- 5) Posters Displayed in Pinnacle Room: available for set up Feb. 27 8:30 a.m. to 2:00 p.m.; Posters taken down after 9 p.m. Feb. 27
Maximum size of posters no larger than: 70" by 45". Posters presenters must provide information to Secretariat before Feb. 15.
- 6) Symposium Program and Name Tag Available for Pick-up outside Richelieu/Frontenac
- 7) Registration is \$75.00 per person; forms available on MITE-RN web site at: www.mite-rn.org/announce/announce.html