

METALS IN THE ENVIRONMENT RESEARCH NETWORK (MITE-RN) ANNUAL RESEARCH SYMPOSIUM – May 11-13, 2004 Chaudière B & C of Chateau Cartier Resort, 1170 Aylmer Road, Aylmer (Québec) Tel. 819-778-0000			
DATE	TIME	FUNCTION	LOCATION
Monday May 10	18:00 19:00-21:00	Dinner for SSC & EAP members SSC Closed Meeting	Sam Snead's Beau Rivage B
Tuesday May 11	7:30	Closed Breakfast Meeting (EAP, BH, PC, LR)	Sam Snead's Restaurant
Tuesday May 11	7:00 8:30 8:35 8:45 9:10 9:35 10:00 10:25 10:50 11:15 11:40 12:05	Buffet Breakfast Welcoming Remarks (P. Campbell) Sources Domain Introduction (R. Garrett) G. Edwards / W. Van Heyst Project M. Lamoureux Project A. Tessier / R. Carignan Project J. Lu Project Coffee Break G. Spiers Project W. Hendershot Project C. Banic Project Buffet Lunch & hotel check out	Champions Chaudière B&C Foyer Champions
	13:15 14:00 14:25 14:50 15:15 16:45 18:00 18:30 20:00	Panel Discussion for Sources Projects (Chaired by EAP member) Update on the Cu Risk Assessment (Robert L. Dwyer, International Copper Association Ltd.) Update on Zn Risk Assessment in Europe (Robert L. Dwyer) Update on the Ni Risk Assessment (Chris Schlekat, Nickel Producers' Environmental Research Program) Poster Viewing of Sources Domain, Gov. Posters, CNTC posters (Combined with coffee break) Health Break <free time> Cash Bar & Hors-d'oeuvres Buffet Dinner SSC Closed Meeting	Chaudière B&C Chaudière A Rive Gauche Beau Rivage A Beau Rivage B
Wednesday May 12	7:00 8:30 8:35 8:45 9:10 9:35	Breakfast Buffet Welcome to Day II (P. Campbell) Processes Domain Introduction (B. Hale) B Hale Project L. Hare Project C. Chakrabarti Project	Champions Chaudière B&C

Final

DATE	TIME	FUNCTION	LOCATION
Wednesday May 12 (continued)	10:00	Coffee	Foyer
	10:20	F. Courchesne Project	Chaudière B&C
	10:45	P. Dillon Project	
	11:10	F. Wang Project	
	11:35	M. Diamond Project	
	12:00	Buffet Lunch	Champions
	13:15	Processes Domain Panel Discussion <chaired by EAP member>	Chaudière B&C
	14:00	Poster Viewing of Processes and Impacts Domains & Coffee	Chaudière A
	15:30	Health Break <free time>	
	18:00	Cash Bar	Champions
18:30	Buffet Dinner	Champions	
Note: Posters must be removed before 17:00			

Thursday May 13	7:00	Buffet Breakfast	Champions
	8:30	Welcome to Day III (P. Campbell)	Chaudière B & C
	8:35	Impacts Domain Introduction (P. Campbell)	
	8:45	G. Dixon Project	
	9:10	C. Wood Project	
	9:35	A. Hontela / P. Campbell Project	
	10:00	Coffee Break	Foyer
	10:15	P. Couture Project	
	10:40	Panel Discussion of Impacts Domain (chaired by EAP member)	Chaudière B&C
	11:25	Buffet Lunch and hotel check out	
	13:15	Refining a dynamic multi-pathway bioaccumulation model for the sensitive crustacean <i>Daphnia magna</i> Straus: Integration in ecological risk assessment practices at the regulatory level (R. Goulet)	Champions Chaudière B & C
	13:40	Improvement to Metals ERA from MITE-RN: Presentation & discussion (P. Chapman)	Foyer
	14:25	Coffee Break	Chaudière B & C
	14:40	New Metals Network Application (B. Hale)	
	15:00	Student Awards (3) for Best Posters (J. Klaverkamp)	
	15:20	EAP chair's remarks (J. Klaverkamp)	
15:30	Symposium closing remarks (P. Campbell)		
Fri. May 14	09:00 – 10:30	Closed MITE-RN Board of Directors' Meeting	Cartier

Note: Platform presentations must be no longer than 25 minutes. Questions will be entertained at the Panel Discussion following each of the three Domain presentations.

Sources Research Domain Platform Presentations

Domain Overview (R. Garrett, Domain Leader)

- 1) A summary of method development and measurement of particulate concentrations and gaseous emissions of metals at remote sites. (G. Edwards)
- 2) Chemical speciation and quantitative determination of some airborne metal contaminants of varying particle sizes: General trends and limitations (M. Lamoureux)
- 3) Historical records of metal loadings from the atmosphere in Canadian Shield lakes (A. Tessier for R. Carignan)
- 4) Studies of mercury species in the atmosphere. (J. Lu)
- 5) EMMA at Work: Applications for Chemical Characterization of Aerosols, Sediments, Soils and Vegetation of the Sudbury Smelter Footprint. (G. Spiers)
- 6) Rate of potentially toxic metal release by soil mineral weathering. (W. Hendershot).
- 7) Physical and chemical evolution of aerosols in smelter and power plant plumes. (C. Banic)

Processes Research Domain Platform Presentations

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

- 1) Post-depositional mobility of trace elements in northern forest ecosystems; root soil interactions (B. Hale)
- 2) Development of rational models for relating metal accumulation by aquatic organisms to metal concentrations in their environment. (L. Hare)
- 3) Metal speciation, challenges, and prospects for the freshwater environment. (C. Chakrabarti)
- 4) Trace metal speciation and mineral weathering at the soil-root interface of forest soils. (F. Courchesne)
- 5) Trace metal budgets of a boreal ecozone lake in its catchment. (P. Dillon)
- 6) Metal-sulfide species in oxic waters: complexes, clusters, or colloids? (F. Wang)
- 7) TRANSPEC a coupled speciation-fate model: lake and model comparisons. (M. Diamond)

Impacts Research Domain Platform Presentations

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

- 1) Predicting metal and metal mixture effects in *Hyalella azteca*. Bioaccumulation and toxicity in metal mixture modeling, biotic ligand modeling and site assessments. (G. Dixon)
- 2) Extending the Biotic Ligand Model (BLM) approach for assessing chronic impacts of metals in freshwater fish: prospects and challenges. (S. Niyogi for C. Wood)
- 3) Direct (physiological) and indirect (food-web mediated) effects of metal exposure on yellow perch. (A. Hontela for P. Campbell)
- 4) Biochemical & morphometric effects of industrial metal contamination on wild yellow perch. (P. Couture)