

Jan 17/06

Metals in the Human Environment (MITHE-RN) Symposium
Chateau Cartier Resort, 1170 Chemin Aylmer, Gatineau, Quebec
January 24-25, 2006

Monday, January 23

- 12:00 - 5:00 p.m.** Science Steering Committee (SSC) <working lunch and closed meeting> <Frontenac A/B>
5:00 p.m. Expert Advisory Panel (EAP) <closed meeting> <Room 602>

Tuesday, January 24 (Day I of Symposium)

- 7:15 a.m. Breakfast <Champions Room>
8:30 a.m. Welcome (Beverley Hale) <Chaudiere C>
Aquatic Theme Research Overview (Peter Campbell)
Aquatic Platform Presentations (3)
Health Break (coffee available at 10:00) <Chaudiere C Foyer>
Aquatic Theme Facilitated Posters (4) <Chaudiere B>
12:00 p.m. Lunch <Champions Room>

1:00 p.m. Soils & Plants Research Overview (William Hendershot)
Soils & Plants Platform Presentations (5) <Chaudiere C>
Health Break (coffee available at 2:45) <Chaudiere C Foyer>
Soils & Plants Facilitated Posters <Chaudiere B>
4:45 p.m. Data Archiving (Robert Garrett)
5:00 p.m. Graduate Student Attended Poster Viewing and Cash Bar <Chaudiere B>
7:00 p.m. Cash Bar <Rive Gauche>
Dinner <Beau Rivage A>
Poster Room open viewing (not facilitated) <Chaudiere B>

Wednesday, January 25 (Day II of Symposium)

- 7:15 a.m. Buffet Breakfast <Champions Room>
8:30 a.m. Foods & Ingested Particles Research Overview (Beverley Hale)
Foods & Ingested Particles Platform Presentations (4) <Chaudiere C>
Health Break (coffee available at 10:00) <Chaudiere C Foyer>
Foods & Ingested Particles Theme Facilitated Posters (3) <Chaudiere B>
12:00 p.m. Lunch <Champions> (+ Closed luncheon meeting for judges of posters <Sam Snead's Bar & Grill>)

1:00 p.m. "Trick or Treatment? Exploring the Two Sides of Risk Communication" (Joe Arvai, Michigan State University) <Chaudiere C>
1:30 p.m. "Informing Choice... The Role of Science in Risk Communications" (Paul Schubert, Agriculture, Agri-Food Canada)
2:00 p.m. "Risk Communication Issues Related to Domain III: Foods and Ingested Particles" (Evert Nieboer, McMaster Univ.)
"Bioavailability & Other Bio." (Peter Chapman, Golder Associates Ltd.)
"The Largest Deficiency in Terrestrial Metals Risk Assessment" (Steve Sheppard, ECOMatters)
2:30 p.m. Roundtable Discussion on Communicating Risk Data to Decision Makers (Facilitated by Beverley Hale)

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- 3:00 p.m. Environment Canada's Risk Assessment Priorities for Metal-Containing Substances (Marisol Eggleton, Existing Substances Division, Environment Canada)
- 3:10 p.m. Expert Advisory Panel Comments <Dave Mount, EAP Chair>
- 3:20 p.m. Awards (3) for Best Student Poster in each Theme <Dave Mount, EAP Chair>
- 3:30 p.m. Symposium Closing Remarks (Beverley Hale)

4:00 p.m. - 6:00 p.m. SSC (closed) meeting <Frontenac A/B>

Thursday, Jan. 26

9:00 – 11:00 a.m. **MITHE-RN Board of Directors' (Closed) Meeting <Cartier Room>**

MITHE-RN THEME TEAM PRESENTATIONS, JAN. 24 & 25

Aquatic Ecosystems Theme

Platform Presentations

- A1 Generation and Field-Validation of Chronic Biotic Ligand Models for Fish (Pyle)
- A2 Multiple Metal Interactions with Fish Gills and with Natural Organic Matter (Wilkie)
- A3 Integration of Geochemical Speciation, Chronic Toxicity Tests and *In-Situ* Field Bioassays for Predicting the Ecotoxicity of Mine Effluents Using BLM Approaches (Chakrabarti)

Facilitated Poster Presentations

- A4 Environmental Risk Assessment of Metals in Water and Sediment: Importance of Dietary Uptake and Water-Sediment Interactions to *Hyalella Azteca* (Dixon)
- A5 Metal Transfer Along Aquatic Food Chains (Hare)
- A6 Impact of Selenium on the Aquatic Biota in the Prairie Ecosystems (Hontela)
- A7 Contaminant Burdens in Scaup Staging on the Lower Great Lakes (Badzinski for Petrie)

Soils and Plants Theme

Platform Presentations

- S2 The Role of Speciation in the Uptake of Tl, As, and Se (Berkelaar)
- S2 The Impact of Microbial Activity and Trace Metal Speciation in the Rhizosphere on Metal Uptake by Plants (Courchesne)
- S2 Metal Retention by Soils (Hendershot)
- S2 Localization and Speciation of Metals at the Cellular Level (Macfie)
- S2 Chemical Forms and Release of Trace Elements in Soils and Soil Solutions (Sauvé)

Facilitated Poster Presentations

- S1 Impact of Long-Term Phosphate Application and Level of Fertilizer Cd on Crops and Soils (Grant et al.)
- S1 Impact of Cropping Sequence, Tillage and P Fertilization on Trace Elements in a Semi-Arid Environment (Grant et al.)
- S1 Impacts of Cropping Sequence, Tillage and P Fertilization on Trace Elements in a Humid Environment (Forge and Bittman)

Foods & Ingested Particles Theme

Platform Presentations

- I1 Refined Analysis and Characterization Methods for Metals in Urban Residential Air (Rasmussen)
- I2 Arsenic, Thallium and Mercury Speciation in Dust from Abandoned Gold Mine Tailings in Nova Scotia (Jamieson)
- I3 Pulmonary Absorption of Metals: Influence of Lung Surfactant Components on the Bioavailability and Toxicity of Inhaled Metals (Jumarie)
- I7 Cytogenetic Damage and Exposure to Metals / Metalloids in Inuit Women Living in the Canadian Arctic (Ayotte)

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Facilitated Poster Presentations

- I5 Bioaccessible and Bioavailable Cd, As and Ni in Foods and Soils (Hale)
- I5 Development of Bioaccessibility Methods for Soil and Fish (Reimer)
- I6 Children's Exposure to Arsenic and Chromium from Playgrounds (Le)