

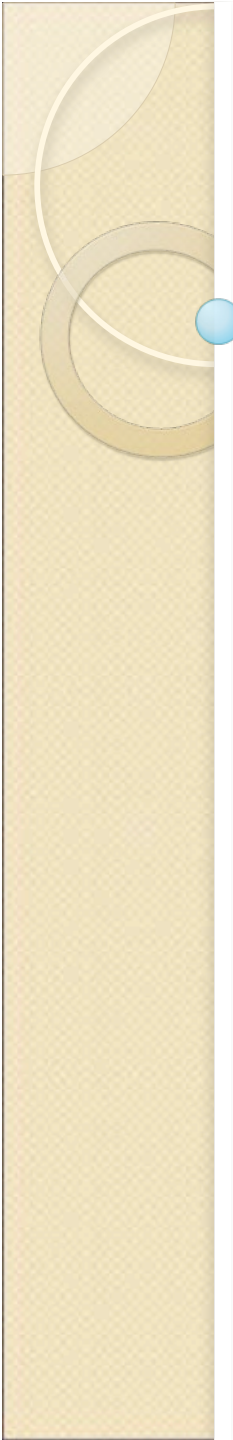


Announcements & Housekeeping

1. Cell phones off, please.

Question for panel discussion:

Where should contaminated site RA R&D go over the next 1 year, 3 years, 5 years?



Risk Assessment: How Far Have We Come, and Where Should We Go?

How has risk assessment progressed in Canada since 2000 and what could (should?) be next, through 2013?

G. Mark Richardson

Progress over past years

- Private Sector - Community-wide risk assessments with biomonitoring
- Atlantic Provinces - RBCA
- CCME - CWS PHCs
- BC - SABCS
- Federal gov't - FCSAP
 - HHRA - Guidance and training programs
 - PQRA
 - Indoor infiltration of volatiles
 - DQRA_{Chemicals}, DQRA_{Radiologicals}, other....

Progress over past years

- Federal gov't – FCSAP (cont'd)
 - Public Outreach - Guidance and training programs
 - Engagement of academia and private sector as part of the 'team'
 - Research
 - Developmental rodent bioassay of mixture of Cu, Cd, Cr, Pb, Zn
 - Bioaccessibility & bioavailability from soil
 - Dermal absorption from soil
 - *In vitro* mutagenicity of soil-borne PAH mixtures
 - National indoor dust survey

Progress over past years

- MITHE-SN
- BARC
- GSC
 - Geo-reconnaissance database
 - Tri-National Soil Survey
- CMP
- Severe shortage of experienced, trained practitioners of RA

Where should we go in the next 5 years?

- University graduate diploma program in Risk Assessment
- Geological Survey of Canada as an Expert Support Department in FCSAP
 - Canada's experts in *all things dirt*
- Atlantic RBCA + CWS PHCs
- All provinces & territories truly join forces with the federal government in CCME CWSs and SQGs
- Spatially-relevant BSCs and SQGs
 - Ecozone, watershed, geologic province, ...
- Increased use of Probabilistic RA

Where should we go in the next 5 years?

- Rapid, inexpensive in-field bioaccessibility assay kit for metals
- Increased disclosure and availability of research results, consultants' reports and other reference materials
 - www.riskassessmentcanada.ca
 - www.bioavailabilityresearch.ca
- Bioaccessibility method(s) for organics with performance standard
- 5 year federal funding commitment to contaminated site/soil research with a 5 year research plan focused on federal needs, but with public (F/T/P)/private/academic governance

The Other Coast

