

Web: <http://www.tracenz.org/>

Monday 30 June ... MORNING SESSIONS

Time	Activity
7.45-8.45 am	Registration / Exhibitor setup
8.45-9.00 am	Welcomes
Session ONE: Trace Elements in the Environment	
<i>Key session phrases & themes: chemistry & behaviour (environmental chemistry; geochemistry), fingerprinting & profiling, monitoring & mapping, baseline determinations, aquatic ecosystems, urban air quality, natural and anthropogenic, forensic science, analytical approaches</i>	
9.00-9.20 am	1. Monica Handler (Victoria University of Wellington). <i>Tracking historic pumice dispersal events through trace element fingerprinting.</i>
9.20-9.40 am	2. Tamsin Mitchell (Greater Wellington Regional Council). <i>Arsenic in outdoor air from burning of CCA-treated timber in home fires.</i>
9.40-10.00 am	3. Louis Boamponsem (University of Auckland). <i>Transplanted lichens as biomonitors of atmospheric inputs of trace elements in the Auckland Region of New Zealand.</i>
10.00-10.20 am	4. Nicholas Ling (University of Waikato). <i>Trace element profiling in urban catchments: instantaneous vs integrated matrices and bioavailability.</i>
10.20-10.40 am	Morning tea
10.40-11.00 am	5. Niklas Lehto (Lincoln University). <i>Micro-scale oxygen and trace metal dynamics in a sediment mesocosm using a novel DGT-Planar Optode combined sensor.</i>
11.00 -11.20 am	6. Jurian Hoogewerff (University of Otago). <i>Elemental and isotope forensic mapping for geographical origin determination.</i>
11.20-11.40 am	7. Adam Hartland (University of Waikato). <i>Phosphorus and arsenic distributions in a seasonally-stratified, iron- and manganese-rich lake: microbiological and geochemical controls.</i>
11.40 am-midday	8. Peter Swedlund (University of Auckland). <i>Thallium geochemistry during acid mine drainage treatment.</i>
midday - 12.20 pm	9. Fiona Curran-Cournane (Auckland Council). <i>Trace element pollution within urban green spaces in New Zealand's largest city.</i>
12.20-12.30 pm	Over-run buffer
12.30-1.30 pm	Lunch

Monday 30 June ... AFTERNOON SESSIONS

Time	Activity
Session TWO: Trace Elements in People	
<i>Key session phrases & themes: dietary intakes, iodine, selenium, polonium, gluten-free, magnets, button batteries, population exposures, and POPs (Persistent Organic Pollutants) as honorary trace elements, introduction to managing risks from contaminated sites (central government remediation initiatives)</i>	
1.30-1.50 pm	10. Sheila Skeaff (University of Otago). <i>Technical issues in the assessment of iodine status in the New Zealand population.</i>
1.50-2.10 pm	11. Louise Brough (Massey University). <i>Iodine and selenium intakes in postmenopausal women in New Zealand after the mandatory fortification of bread with iodised salt.</i>
2.10-2.30 pm	12. Celine Evans (University of Otago). <i>Iodine status in pregnant New Zealand women: are current intakes and recommendations adequate?</i>
2.30-2.50 pm	13. Sally Gaw (University of Canterbury). <i>Does gluten-free mean free of potentially toxic trace elements?</i>
2.50-3.00 pm	Over-run buffer
3-3.20 pm	Afternoon tea
3.20-3.40 pm	14. Andrew Pearson (Ministry for Primary Industries). <i>Characterising dietary polonium exposure.</i>
3.40-4.00 pm	15. Stuart McLaren (Massey University with MBIE). <i>Swallowing hazards of the modern age.</i>
4.00-4.20 pm	16. J. Robin Fulton (Victoria University of Wellington). <i>Examining the chemistry of soluble divalent lead complexes.</i>
4.20-4.40 pm	17. Jonathan Coakley (Centre for Public Health Research @ Massey University). <i>Persistent organic pollutants (POPs) in the New Zealand adult population.</i>
4.40-5:00 pm	18. Bruce Croucher (Ministry for the Environment). <i>Recent work involving the Contaminated Sites Remediation Fund: a central government initiative to facilitate clean up of the most seriously contaminated orphan sites. (also an intro to Session THREE)</i>
5:00 p.m.	Wind up for the day
7:00 p.m.	Conference dinner, Artisan Restaurant @ Bolton Hotel (12 Bolton St) (Bolton St is near The Beehive end of The Terrace)

Tuesday 1 July ... MORNING SESSIONS

Time	Activity
8.00-9.00 am	Registration desk still open
Session THREE: Contaminated Sites Risk Assessment and Management	
<i>Key session phrases & themes: contaminated sites investigation, risk assessment, remediation and management, human health protection, site-specific guidelines, sampling approaches, site-specific investigation, high concentration soil and dust contamination</i>	
9.00-9.20 am	19. Dave Bull (Golder Associates (NZ)). <i>Bioavailability of arsenic and lead at Moanataiari, Thames, New Zealand.</i>
9.20-9.40 am	20. Ben Keet (Geo & Hydro – K8). <i>Development of the ‘Ben Keet Method’ of house dust analysis to identify lead and other heavy metal contaminants.</i>
9.40-10.00 am	21. Andrew Rumsby (Pattle Delamore Partners). <i>Guidance of the use of field-portable XRF (FP-XRF) for contaminated site investigation.</i>
10.00-10.20 am	22. Jo Cavanagh (Landcare Research). <i>Determining background concentrations of trace elements.</i>
10.20-10.40 am	Morning tea
Session FOUR: Trace Element Contaminants in Agriculture, Part 1	
<i>Key session phrases & themes: high-level contamination at specific sites, toxicity of volcanic ash, fluorine, cadmium, uranium; introduction to lower level diffuse enrichment (fluorine)</i>	
10.40-11.00 am	23. Matthew Taylor (Waikato Regional Council). <i>Fertiliser associated trace elements in 2 transects of soils away from an airfield fertiliser bin sampled 20 years apart.</i>
11.00 -11.20 am	24. Carol Stewart (Joint Centre for Disaster Research, Massey University/GNS Science). <i>Leachable elements in volcanic ashfall: towards improved assessment of health and agricultural hazards.</i>
11.20-11.40 am	25. Nick Kim (Massey University). <i>Accumulation and behaviour of fluorine in agricultural soils of two regions: what the field data reveals.</i>
Session break - opportunity to view posters with their authors in attendance	
11.40 am-midday	26. Georgina Addae Boamponsem (University of Canterbury). <i>Effect of iron on callus cultures of Solanum tuberosum (potato).</i> 27. Phil Clunies-Ross (Waterways Centre for Freshwater Management, University of Canterbury). <i>Accumulation of trace elements in urban Christchurch waterways.</i> 28. Thalita van Aswegen (University of Otago). <i>Bioavailable strontium isotope ratios ($^{87}\text{Sr}/^{86}\text{Sr}$) in European soils – an isoscape for forensic provenancing.</i> 29. Steve Cameron (University of Waikato). <i>Biological/medical applications of Laser Ablation ICPMS.</i> 30. Travis Ancelet (GNS Science). <i>New XRF Capability at GNS Science.</i> 31. Bill Trompetter (GNS Science). <i>Composition of indoor dust determined by IBA and PIXE.</i>
12.00-1.00pm	Lunch

Tuesday 1 July ... AFTERNOON SESSIONS

Time	Activity
Session FIVE: Trace Element Contaminants in Agriculture, Part 2: Special Focus on Cadmium	
<i>Key session phrases & themes: cadmium (National Cadmium Management Strategy, Cadmium Workshop) plant uptake. (Organisations involved in managing the national strategy include: Ministry for Primary Industries, Fertiliser Association of New Zealand, Ballance Agri-Nutrients, Ravensdown, Waikato Regional Council, Landcare Research)</i>	
1.00-1.20 pm	32. Gerald Rys (Ministry of Primary Industries). <i>A National Cadmium Management Strategy for New Zealand Agriculture.</i>
1.20-1.40 pm	33. Jo Cavanagh (Landcare Research). <i>Cadmium – Where are we at? What do we need? How do we get there?</i>
1.40-2.00 pm	34. Ants Roberts (Ravensdown). <i>Cadmium status of New Zealand soils – 2014.</i>
2:00 - 2:20 pm	35. Jo Cavanagh (Landcare Research). <i>Review of models to predict cadmium accumulation in agricultural soils.</i>
2.20-2.40 pm	36. Michelle Thunders (Massey University). <i>Sex, Worms, Genes and Cadmium.</i>
2.40-3.00 pm	Over-run buffer
3-3.20 pm	Afternoon tea
3.20-3.40 pm	37. Aaron Stafford (Ballance Agri-Nutrients). <i>Spatial variability of soil cadmium in long-term dairy systems.</i>
3.40-4.00 pm	38. Shamim Al Mamun (Lincoln University). <i>Municipal compost effectively reduces the transfer of Cd from soil to vegetables.</i>
4.00-4.20 pm	39. Jo Cavanagh (Landcare Research). <i>Methodologies for deriving cadmium soil guideline values for the protection of ecological receptors and food standards.</i>
4.20-4:30 p.m.	Second day wind up & farewells

