

Society for Environmental Geochemistry and Health
SEGH-ISEE 2009 Conference
27th & 28th August 2009, Dublin, Ireland

DRAFT PROGRAMME
UCD campus, Belfield, Dublin

Thursday 27 August 2009

Training Session

Thursday 27 August 2009, 07:30 - 08:30

Plenary Session 3: Mouths, Meals, Methane and Malthus

Thursday 27 August 2009, 08:30 - 10:00 With ISEE

Tea/Coffee

Thursday 27 August 2009, 10:00 - 10:30

SEGH – MULTITUDE (Multiple Links Towards Integrating Teams for Understanding of Disease and Environment) **workshop – session 1: Prioritising environmental pollutants and mixtures through toxicology and health outcomes**

Thursday 27 August 2009, 10:30 - 12:00 Venue TBC

Toxic pollutant transport and dynamics – key issues.

Andrew Hursthouse

The challenge of mixtures.

Alex Stewart

Discussion by all participants

SEGH European Annual General Meeting

Thursday 27 August 2009, 12:00 - 12:30

Lunch

Thursday 27 August 2009, 12:00 - 14:00

SEGH – MULTITUDE (Multiple Links Towards Integrating Teams for Understanding of Disease and Environment) **workshop – session 2: Iodine deficiency disorders – is environmental iodine deficiency real? Identifying environmental contributions to control measures**

Thursday 27 August 2009, 14:00 – 17:30

(including coffee break 15:30-16:00)

Clinical aspects of Iodine Deficiency Disorders

LDKE Premawardhana

Biochemistry of iodine

Peter Smyth

Geochemistry of iodine

Christopher Johnson

Epidemiology and control of Iodine Deficiency Disorders

Alex Stewart

Discussion by all participants

SEGH International Board Meeting

Thursday 27 August 2009, 19:00 – 22:00

Venue tbc

Friday 28 August 2009

Training session

Friday 28 August 2009, 07:30 - 08:30

SEGH – Environmental geochemistry & health – unhealthy outcomes: oral session 1

Friday 28 August 2009, 08:30 - 10:00

Health aspects of exposure to emissions from burning beryllium-rich coal

Vladimir Bencko, Elena V Vasilieva, Jitka Petanova

Groundwater Uranium and Chronic Health Outcomes in South Carolina

Sara E. Wagner, James B. Burch, Matteo Bottai, Dwayne Porter, Rebecca C. Wilkerson, Susan Bolick-Aldrich, Tom Temples, James R. Hebert.

The association between arsenic exposure and cerebrovascular disease – a study in the blackfoot disease endemic area in Taiwan

Tain-Junn Cheng, Der-Shin Ke, Ying-Jan Wang, How-Ran Guo

Dose-response relationship between arsenic in drinking and mortality of urinary cancers in Taiwan

Yen-Cheng Tseng, Ya-Ling Chung, Bing-Fang Hwang, Yung-Po Liaw, Jang-Huang Sheen, Wen-Hsin Liu, How-Ran Guo

Environmental geochemistry and drinking water resources in the Pannonian Basin (Western Romania)

Cristina Jimenez, Calin Baciu, Emil Cordos, Calin Tatu.

Tea/Coffee

Friday 28 August 2009, 10:00 - 10:30

SEGH – Environmental geochemistry & health – a measured approach: oral session 2

Friday 28 August 2009, 10:30 - 12:00

The use of mineral magnetic measurements to determine urban roadside soil pollution concentrations

Colin Crosby, C. A. Booth, M. A. Fullen, Annie Worsley.

Rapid classification of contaminated land and waste using STREM (Support Tool for Reliable Environmental Measurement)

Katy A. Boon and Mike H. Ramsey

Mass load and heavy metal concentrations of ambient air particulate matter (PM₁₀) and its health risk in selected cities of Southwestern Nigeria.

A. F. Abimbola and T. Kolawole.

An attempt to evaluate air quality from analysis of *Parmotrema tinctorum* by PIXE

Hirokazu Fujimaki, Miyu Hirai and Koichiro Sera.

Pentachlorophenol contamination of *Quercus Suber* Forests: A NATO Science for Peace Project.

Iain McLellan, Andrew Hursthouse, C Morrison, C Silva Pereira, A Hassen, V Mazzoleni, M Blahgen, A Varela, C Rodrigues, C Leitao, H I Ouzari, A J Aouani, N Gaamour, M D Fumi, E Novelli, M Trevisan and K Lyamiuoli.

SEGH – Environmental geochemistry & health - poster session

Friday 28 August 2009, 12:00 - 14:00

Temporal variability of freshwater

environmental quality parameters in UK river systems, with regards to copper speciation and toxicity.

Maria Lathouri and Anna Korre

The solid phase distribution and bioaccessibility of arsenic, chromium and nickel in natural ironstone soils in the uk

Joanna Wragg, Mark Cave, Helen Taylor, Charles Gowing and Shaun Gregory

Selenium in the agricultural soils of East Anglia, UK.

E. Louise Ander, Chris. C. Johnson, Fiona M. Fordyce, J. Wragg.

Use of sub-national indicators to improve public health in Europe (UNIPHE)

Lorraine Stewart, Adedoyin Awofisayo.

Is soil always truly iodine deficient as a cause of IDD (iodine deficiency disorders)? – Potential for an environmental contribution to the control of IDD.

Alex G. Stewart, Sohel Saikat, Aradhana Mehra, Joy Carter.

Key issues and research opportunities in human health and the environment: results from the interdisciplinary MULTITUDE workshop.

Michael H. Ramsey and Alex G. Stewart

Micronutrient Deficiency in Maternity and Child Health: exploring agricultural, medical and social influences on Fe and Zn deficiencies.

Natalie Dickinson, John Gulliver, Gordon MacPherson, John Atkinson, Andrew Hursthouse.

Lunch

Friday 28 August 2009, 12:00 - 14:00

SEGH – Environmental geochemistry & health – confounded complications: oral session 3

Friday 28 August 2009, 14:00 - 15:30

Effect of intermediate levels of contaminant heterogeneity in soil, based on field measurements, on uptake of zinc by *Brassica juncea* and *B. Napus*.

Jacqueline Y Thomas, Mike H Ramsey,

E.A. John and B. Barnes.

Simulation to validate a technique for the optimization of contaminated land investigations.

Peter D. Rostron, Katy A. Boon and Mike H. Ramsey.

Outlier identification and visualization for Pb concentrations in urban soils and its implications for identification of potential contaminated land.

Chaosheng Zhang

Comparative microbiological quality of supplied and end-user drinking water in Chakdha, West Bengal: implications for risk substitution arising from arsenic mitigation

Debapriya Mondal, Ashok K. Giri, Mayukh Banerjee, Nilanjana Banerjee, Manjari Kundu, Saugata Sen Roy, Bhaswati Ganguli, and David A. Polya.

Real or illusory? A study on the public perception of environmental health risks in the North West of England.

Paolo Luria and Alex G. Stewart.

Coffee

Friday 28 August 2009, 15:30 - 16:00

Plenary Session 4: Food and the Environment: Sustaining Supplies, Shifting Consumer Choices

Friday 28 August 2009, 16:00 - 17:30

With ISEE