

You are invited to submit an abstract to SEGH 2010 International Conference and Workshops (<http://www.nuigalway.ie/segh2010>).

The SEGH 2010 International Conference and Workshops of the **Society for Environmental Geochemistry and Health** (SEGH, [www.segh.net](http://www.segh.net)) on **Environmental Quality and Human Health** will be held in Galway, Ireland during June 27-July 2, 2010. This conference and workshops provides an internationally leading forum for interaction between scientists, consultants, and public servants engaged in the multi-disciplinary areas of environment and health. Participants of the conference represent expertise in a diverse range of scientific fields (such as biology, engineering, geology, hydrology, epidemiology, chemistry, medicine, nutrition, and toxicology), as well as regulatory and industrial communities.

There is a special honorary session for the lifetime achievement award to **Prof. Iain Thornton**. In addition, the **International Medical Geology Association** (IMGA, [www.medicalgeology.org](http://www.medicalgeology.org)) has a short course and a session in SEGH 2010.

Galway, located in the west of Ireland, is one of the **most popular tourist destinations** in Europe and attracts more than 1 million international tourists annually. It is easily accessible, with frequent direct flights to and from several cities in the UK. There are also frequent air, train and bus connections with Dublin.

### **Keynote speakers**

Prof. **Iain Thornton** (Former SEGH Chair, Lifetime achievement award recipient), Imperial College and Imperial College Consultants London, UK  
Title: Applied Environmental Geochemistry and Health

Prof. **Shu Tao** (SETAC Asia/Pacific Chair), Peking University, China  
Title: Emission, fate and respiration exposure risk of polycyclic aromatic hydrocarbons in China

Dr. **Olle Selinus** (IMGA founder and co-Chair), Geological Survey of Sweden, Sweden  
Topic: Medical Geology

Prof. **Luke Clancy** (Director General, RIFTFS), Research Institute for a Tobacco Free Society, Ireland  
Topic: Air Pollution and Health

### **Conference Themes**

Main Conference Theme: **Environmental Quality and Human Health**

Alongside the traditional topics in environmental geochemistry of air, water, sediments and soils, we will explore the following pressing issues:

- > Biogeochemistry of trace elements, organic pollutants and radio-nuclides
- > Medical geology, environmental pollution and public health
- > Interpretation using GIS, such as health atlas and geochemical mapping, whilst allowing for uncertainty
- > Urban geochemistry, contaminated land and waste management
- > Environmental impacts of climate change and human activities: agriculture, industry, transport and pesticides
- > Chemicals fate, transport and exposure in environmental extreme events
- > Minerals and the environment
- > Perception and communication of environmental health risks and social inequality

Detailed scientific topics for abstract submission (When you submit your abstracts, you will be required to choose one of the following topics that best suits your abstract.):

1. Agricultural pollution 2. Air (indoor and outdoor) pollution and health 3. Bioavailability and bio-accessibility 4. Biomonitoring 5. Cancer 6. Climate change impact 7. Contaminated land 8. Environmental impact of traffic and transportation 9. Environmental policy 10. Epidemiology 11. Exposure assessment 12. Food contamination 13. GIS mapping and spatial analysis (Geochemistry, Pollution, Health) 14. Health impact assessment 15. Health risk perception and communication 16. Heavy metals and metalloids 17. House dust 18. Medical geology 19. Minerals 20. Marine pollution 21. POPs, Pesticides, Dioxins 22. Pollution archive (cores) 23. Radio-nuclides 24. Respiratory diseases 25. Risk assessment 26. Sediment geochemistry 27. Social inequality 28. Soil geochemistry 29. Urban geochemistry 30. Waste and waste management 31. Water pollution 32. Others

Best regards,

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