



# Joint Conference of ISEH ICEPH & ISEG on Environment and Health

## Joint Conference Programme at a Glance

### EVENING OF AUGUST 11

17:00 Registration

18:30 Welcome Reception  
*Áras na Mac Léinn*

### AUGUST 12

07:45 Registration

08:15 Opening Ceremony  
Chaosheng Zhang  
*Plenary and Parallel Room 1 – Bailey Allen Hall*

08:45 **Plenary 1**  
**Cost and Health benefits of promoting clean cooking and heating in rural China**  
Shu Tao  
(Chair: Tong Zhu)  
*Bailey Allen Hall*

09:15 **Plenary 2**  
**Maximizing the Health Benefits of Air Pollution Control and Climate Change Mitigation**  
Tong Zhu  
(Chair: Shu Tao)  
*Bailey Allen Hall*

09:45 Group Photo

|       |  |  |   |   |
|-------|--|--|---|---|
| 10:00 | <b>Air Pollution and Health 1</b><br>(Guofeng Shen, Jurgita Ovadnevaite)<br><i>Plenary and Parallel Room 1 – Bailey Allen Hall</i> | <b>Antibiotics and Microbiology 1</b><br>(Xun Wen Chen, Andrew Hursthouse)<br><i>Parallel Room 2</i> | <b>Big Data and Data Analytics</b><br>(Jennifer McKinley, Cunjian Yang)<br><i>Parallel Room 3</i> | <b>Climate Change and Population Health</b><br>(Daniel Sui, Shuxiao Wang)<br><i>Parallel Room 4</i> |
|-------|--|--|---|---|

11:15 Coffee Break

|       |   |   |   |  |
|-------|---|---|---|--|
| 11:45 | <b>Air Pollution and Health 2</b><br>(Yanpeng Gao, Qiaohui Fan)<br><i>Plenary and Parallel Room 1 – Bailey Allen Hall</i> | <b>Antibiotics and Microbiology 2</b><br>(Rok Fink, Thomas Ducey)<br><i>Parallel Room 2</i> | <b>Arsenic</b><br>(Yan An, Dongyu Xu)<br><i>Parallel Room 3</i> | <b>Environmental Management</b><br>(Cassio Roberto Silva, Teresa Heller)<br><i>Parallel Room 4</i> |
|-------|---|---|---|--|

13:00 Lunch  
*An Bhiailann, Arts & Science Building*

14:00 Poster Session  
*Áras na Mac Léinn*

14:30 **Plenary 3**  
**New pollutants study in China: History & future perspective**  
Guibin Jiang  
(Chair: Yanxin Wang)  
*Bailey Allen Hall*



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|  |   |   |  |  |
|--|---|---|--|--|
| 15:00                                  | <p align="center"><b>Plenary 4</b><br/> <b>Mapping Distribution of Geogenic Contaminated Groundwater Using Machine Learning Methods</b><br/>         Yanxin Wang<br/>         (Chair: Guibin Jiang)<br/> <i>Bailey Allen Hall</i></p>     |   |  |  |
| 15:30                                  | <p><b>Air Pollution and Health 3</b><br/>         (Jianmin Chen, Tiantian Li)<br/> <i>Plenary and Parallel Room 1 – Bailey Allen Hall</i></p>   | <p><b>Antibiotics and Microbiology 3</b><br/>         (Yong Li, Liqin Su)<br/> <i>Parallel Room 2</i></p>                           | <p><b>Environmental Health 1</b><br/>         (Peng Lu, Yue Ba)<br/> <i>Parallel Room 3</i></p>      | <p><b>Biochar 1</b><br/>         (Hailong Wang, Scott X. Chang)<br/> <i>Parallel Room 4</i></p>                        |
| 16:45                                  | <p align="center"><b>Coffee Break</b></p>   |   |  |  |
| 17:15                                  | <p><b>Air Pollution and Health 4</b><br/>         (Benjamin J. Ryan, Martin Gaberšek)<br/> <i>Plenary and Parallel Room 1 – Bailey Allen Hall</i></p>   | <p><b>Agriculture</b><br/>         (Wende Yan, Yanxin Yu)<br/> <i>Parallel Room 2</i></p>   | <p><b>Environmental Health 2</b><br/>         (Xun Shi, Furong Deng)<br/> <i>Parallel Room 3</i></p> | <p><b>Biochar 2</b><br/>         (Xiaokai Zhang, Jingzi Beiyuan)<br/> <i>Parallel Room 4</i></p>                       |
| <p align="center"><b>AUGUST 13</b></p> |   |   |  |  |
| 08:45                                  | <p align="center"><b>Special Session in Memory of Olle Selinus</b><br/> <i>Bailey Allen Hall</i></p>  |   |  |  |
| 09:00                                  | <p align="center"><b>Plenary 5</b><br/> <b>Medical Geology: 20 Years of Progress</b><br/>         Robert Finkelman<br/>         (Chair: Jose A. Centeno)<br/> <i>Bailey Allen Hall</i></p>  |   |  |  |
| 09:30                                  | <p align="center"><b>Plenary 6</b><br/> <b>Medical Geology - Integrating Environmental Science, Public Health and Earth Science</b><br/>         Jose A. Centeno<br/>         (Chair: Robert Finkelman)<br/> <i>Bailey Allen Hall</i></p> |   |  |  |
| 10:00                                  | <p><b>Air Pollution and Health 5</b><br/>         (Laura M. Langan, Lin Zhang)<br/> <i>Plenary and Parallel Room 1 – Bailey Allen Hall</i></p>  | <p><b>Medical Geology (In Memory of Olle Selinus)</b><br/>         (Jose Centeno, Robert Finkelman)<br/> <i>Parallel Room 2</i></p> | <p><b>Water Quality 1</b><br/>         (Guangxue Wu, Sabry Shaheen)<br/> <i>Parallel Room 3</i></p>  | <p><b>Diagnostics and Remediation</b><br/>         (Fujie Li, Hua Zhang)<br/> <i>Parallel Room 4</i></p>               |
| 11:15                                  | <p align="center"><b>Coffee Break</b></p>   |   |  |  |
| 11:45                                  | <p><b>Air Pollution and Health 6</b><br/>         (Shengrui Tong, Xi Chen)<br/> <i>Plenary and Parallel Room 1 – Bailey Allen Hall</i></p>  | <p><b>Medical Geology in Africa</b><br/>         (Theophilus C. Davies, Emmanuel Arhin)<br/> <i>Parallel Room 2</i></p>             | <p><b>Water Quality 2</b><br/>         (Bryan Brooks, Shenglei Fu)<br/> <i>Parallel Room 3</i></p>   | <p><b>Environmental Friendly Remediation</b><br/>         (Owen Williams, Zhifan Chen)<br/> <i>Parallel Room 4</i></p> |



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|                  |  |   |  |  |
|------------------|--|---|--|--|
| 13:00            | <b>Lunch</b><br><i>An Bhialann, Arts &amp; Science Building</i>  |   |  |  |
| 14:00            | <b>Poster Session</b><br><i>Áras na Mac Léinn</i>  |   |  |  |
| 14:30            | <b>Plenary 7</b><br><b>Standardisation of Applied Geochemical Methods</b><br>Alecós Demetriades<br>(Chair: Qiuming Cheng)<br><i>Bailey Allen Hall</i>  |   |  |  |
| 15:00            | <b>Plenary 8</b><br><b>Integration of Big Data and AI Techniques for Understanding Arsenic Behaviour in Mineralization Processes</b><br>Qiuming Cheng<br>(Chair: Alecós Demetriades)<br><i>Bailey Allen Hall</i> |   |  |  |
| 15:30            | <b>New Emerging Pollutants</b><br>(Wilfred Dathe, Jie Han)<br><i>Plenary and Parallel Room 1 – Bailey Allen Hall</i>   | <b>Geochemical Mapping</b><br>(Timo Tarvainen, Jaana Jarva)<br><i>Parallel Room 2</i>                     | <b>Water Quality 3</b><br>(Elena Alvareda, Jovana Radosavljevic)<br><i>Parallel Room 3</i> | <b>Dust and Indoor Air Pollution</b><br>(Audil Rashid, Christof Lanzerstorfer)<br><i>Parallel Room 4</i> |
| 16:45            | <b>Coffee Break</b>  |   |  |  |
| 17:15            | <b>Environmental Geochemistry</b><br>(Michael Kersten, Jianming Xu)<br><i>Plenary and Parallel Room 1 – Bailey Allen Hall</i>  | <b>Environmental Modelling</b><br>(Haidong Kan, Zhongyun Ni)<br><i>Parallel Room 2</i>                    | <b>Water Quality 4</b><br>(Carla Patinha, Bing Yan)<br><i>Parallel Room 3</i>              | <b>Coastal System</b><br>(Yuxin Ma, Jianhui Tang)<br><i>Parallel Room 4</i>                              |
| <b>AUGUST 14</b> |  |   |  |  |
| 09:00            | <b>Plenary 9</b><br><b>Arsenic biogeochemistry in paddy soil and strategies to limit arsenic accumulation in rice</b><br>Fang-Jie Zhao<br>(Chair: Ming-Hung Wong)<br><i>Bailey Allen Hall</i>                    |   |  |  |
| 09:30            | <b>Plenary 10</b><br><b>Food contamination and health impacts: Geochemical and environmental pollutants</b><br>Ming-Hung Wong<br>(Chair: Fang-Jie Zhao)<br><i>Bailey Allen Hall</i>                              |   |  |  |
| 10:00            | <b>Geo-Health 1</b><br>(Siwen Liu, Dawen Liu)<br><i>Plenary and Parallel Room 1 – Bailey Allen Hall</i>  | <b>Environmental Pollution and Reproductive Health</b><br>(Bin Wang, Zhiwen Li)<br><i>Parallel Room 2</i> | <b>Organic Pollutants</b><br>(Yingqin Wu, Faina Gelman)<br><i>Parallel Room 3</i>          | <b>Emerging Organic Pollutants 1</b><br>(Xiaoping Wang, Bixian Mai)<br><i>Parallel Room 4</i>            |



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|       |   |  |  |   |
|-------|---|--|--|---|
| 11:15 | <b>Coffee Break</b>   |  |  |   |
| 11:45 | <b>Geo-Health 2</b><br>(Daniel Murphy,<br>Dawen Liu)<br><i>Plenary and<br/>           Parallel Room 1 –<br/>           Bailey Allen Hall</i>  | <b>Food Quality</b><br>(Maria Aurora<br>Armienta,<br>Kim Dowling)<br><i>Parallel Room 2</i>  | <b>Peat</b><br>(Niall O Brolchain,<br>Andre Banning)<br><i>Parallel Room 3</i>                       | <b>Emerging Organic<br/>           Pollutants 2</b><br>(Taicheng An,<br>Guiying Li)<br><i>Parallel Room 4</i>                                 |
| 13:00 | <b>Lunch</b><br><i>An Bhiallann, Arts &amp; Science Building</i>  |  |  |   |
| 14:00 | <b>Poster Session</b><br><i>Áras na Mac Léinn</i>   |  |  |   |
| 14:30 | <b>Plenary 11</b><br><b>Chemical Earth Program: Global Geochemical Observation Networks</b><br>Xueqiu Wang<br>(Chair: Minhan Dai)<br><i>Bailey Allen Hall</i>   |  |  |   |
| 15:00 | <b>Plenary 12</b><br><b>Coastal Ocean Under Intensifying Human Activities and Changing Climate:<br/>           from Science to Sustainability and needs for a digital twin platform</b><br>Minhan Dai<br>(Chair: Xueqiu Wang)<br><i>Bailey Allen Hall</i> |  |  |   |
| 15:30 | <b>PFAS 1</b><br>(Jim Ippolito,<br>Jörg Rinklebe)<br><i>Plenary and<br/>           Parallel Room 1 –<br/>           Bailey Allen Hall</i>   | <b>Health Risks of<br/>           Micro- and Nano-<br/>           plastics</b><br>(Chen Tu,<br>Yongming Luo)<br><i>Parallel Room 2</i> | <b>Water<br/>           Environment Health</b><br>(Wenzhi Cao,<br>Lei Jin)<br><i>Parallel Room 3</i> | <b>GIS Spatial Modelling</b><br>(Gevorg Tepanosyan,<br>Xun Shi)<br><i>Parallel Room 4</i>   |
| 16:45 | <b>Coffee Break</b>   |  |  |   |
| 17:15 | <b>PFAS 2</b><br>(Hongwen Sun,<br>Yanyan Zhang)<br><i>Plenary and<br/>           Parallel Room 1 –<br/>           Bailey Allen Hall</i>   | <b>High Background<br/>           Values in Soils</b><br>(Xueqi Xia,<br>Zhongfang Yang)<br><i>Parallel Room 2</i>                      | <b>Wetland</b><br>(Anne E. Nigra,<br>Guo Liu)<br><i>Parallel Room 3</i>                              | <b>Environmental<br/>           Applications of<br/>           Nanomaterials</b><br>(Jason W. White,<br>Daohui Lin)<br><i>Parallel Room 4</i> |
| 19:45 | <b>Conference Dinner and Entertainment</b><br><i>Galmont Hotel</i><br>(paid attendees only)   |  |  |   |



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## AUGUST 15

09:00

**Plenary 13**  
**Ecosystem Health and Sustainable Development**  
Bojie Fu  
(Chair: Donal Sparks)  
*Bailey Allen Hall*

09:30

**Plenary 14**  
**The Climate, Soil, and Health Nexus: Grand Challenges in a Changing Environment**  
Donald Sparks  
(Chair: Bojie Fu)  
*Bailey Allen Hall*

10:00

**Soil Quality**  
(Lei Huang,  
Xingmei Liu)  
*Plenary and  
Parallel Room 1 –  
Bailey Allen Hall*

**Microbiological Risks  
in Drinking Water**  
(Xin Yu,  
Fangbai Li)  
*Parallel Room 2*

**Statistical  
Modelling**  
(Joseph D. Ayotte,  
Yan Zheng)  
*Parallel Room 3*

**Radon Risk**  
(Stefano Albanese,  
Olga Belyaeva)  
*Parallel Room 4*

11:15

**Coffee Break**

11:45

**Remediation**  
(Pakshirajan Kannan,  
Liping Fang)  
*Plenary and  
Parallel Room 1 –  
Bailey Allen Hall*

**Nanoparticles and  
Microplastics 1**  
(João Frias,  
Qian Liu)  
*Parallel Room 2*

**Volatile Organic  
Compounds**  
(Nan Lin,  
Erik Uhde)  
*Parallel Room 3*

**Public Health**  
(Shaobin Wang,  
Michal Molcho)  
*Parallel Room 4*

13:00

**Lunch**

*An Bhiallann, Arts & Science Building*

14:00

**Poster Session**  
*Áras na Mac Léinn*

14:30

**Potentially Toxic  
Elements 1**  
(Juan Liu,  
Yamin Deng)  
*Plenary and  
Parallel Room 1 –  
Bailey Allen Hall*

**Nanoparticles and  
Microplastics 2**  
(Hefa Cheng,  
Jamie Lead)  
*Parallel Room 2*

**Sediments**  
(Qian Zhang,  
Beibei Chai)  
*Parallel Room 3*

**POPs & PAHs**  
(Feng Hu,  
Roberto XaviSeur  
pe Tulcan)  
*Parallel Room 4*

15:45

**Coffee Break**

16:15

**Potentially Toxic  
Elements 2**  
(Miloš Miler,  
Saša Kos)  
*Plenary and  
Parallel Room 1 –  
Bailey Allen Hall*

**Nanoparticles and  
Microplastics 3**  
(Jiang Xu,  
Izabela Joško)  
*Parallel Room 2*

**Soil Threats**  
(Dharani Dhar Patra,  
Mingzhou Qin)  
*Parallel Room 3*

**Nitrogen Cycle**  
(Chunli Su,  
Yanling Zheng)  
*Parallel Room 4*

17:30

**Chaosheng Zhang**  
*Bailey Allen Hall*

18:00

**Closing Ceremony**