



ISEH 2020, ICEPH 2020 & G16 2020

The 5th International Symposium on Environment and Health
The 6th International Conference on Environmental Pollution and Health
The 7th International Conference on Research Frontiers on Chalcogen
Cycle Science and Technology
Environment, Health, GIS and Agriculture in the Big Data Era
Galway, Ireland, August 2–9, 2020
www.nuigalway.ie/iseh2020



Abstract Submission: **Joint Conference of ISEH 2020, ICEPH 2020 & G16 2020** (Opens until March 1, 2020)

The Joint Conference of ISEH 2020 (The 5th International Symposium on Environment and Health), ICEPH 2020 (The 6th International Conference on Environmental Pollution and Health) & G16 2020 (The 7th International Conference on Research Frontiers on Chalcogen Cycle Science and Technology) will be held in Galway, Ireland during August 2–9, 2020

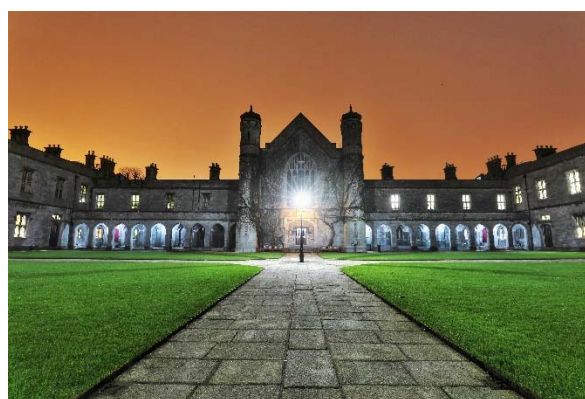
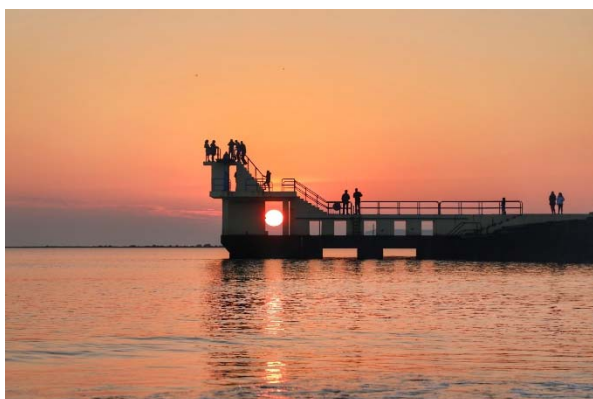
Joint Conference Theme:

Environment, Health, GIS and Agriculture in the Big Data Era

If you are interested in attending the conference, please prepare your abstract using the Abstract Template from the conference website and submit it via the online system (www.nuigalway.ie/iseh2020/abstractsubmission). A copy of the abstract template is available in the next page of this information package.

Abstract submission system opens now. Deadline for abstract submission: **March 1, 2020.**

For more information, visit the conference website:
www.nuigalway.ie/iseh2020.



Administration Enquiries: Go West Conference & Event Management Ltd., Gteic, Spiddal, County Galway, Postal Code: H91 CH01, Ireland.

Tel: +353-91-591222 Web: www.gowest.ie Email: ISEH2020@gowest.ie

Academic Enquiries: Dr. Chaosheng Zhang, International Network for Environment and Health, School of Geography and Archaeology & Ryan Institute, National University of Ireland, Galway, Ireland. Tel: +353-91-49 2375 Email: Chaosheng.Zhang@nuigalway.ie Web: www.nuigalway.ie/iseh2020



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(Abstract Template)

The title of the abstract (Times New Roman 14, Bold, Centred)

Name Surname¹, Name Surname² , Name Surname^{n,*} (Times New Roman, 11)

¹ Address

² Address

* Corresponding author email:

(Times New Roman, 11) An abstract must be submitted in English. Abstracts are accepted for poster and oral sessions. Both original and review presentations are welcome. For original research, an abstract must contain the following contents: Importance of the work and objectives; Methodologies; Main results and conclusion. Incomplete abstracts will be rejected.

The word limit for an abstract is ONE page. The time for an oral presentation in a parallel session will be 15 minutes (12 min talk + 3 min Q&A). The time for a keynote talk will be 25 minutes (20 min talk+ 5 min Q&A).

For **invited delegates for an organised session**, you are required to choose "**ORGANIZED SESSIONS**" on the system and choose the corresponding session topic provided by your session convenor. Organised sessions are listed based on the alphabetic order of the surnames of the 1st session convenors. Invited delegates are those who have been invited by a session convenor and their abstracts have been approved by the session convenor for an oral presentation (15 minutes, 12 min talk + 3 min Q&A) or a poster presentation in the organised session. Full list of organized sessions are available on the Conference website "Sessions" page.

Keynote speakers: You are required to choose "**ORGANIZED SESSIONS**" to fill your details on the system, When you choose the session from "Organised Sessions", please select "**.Keynote Session**".

Academicians (Plenary speakers): You are required to choose "**ORGANIZED SESSIONS**" to fill your details on the system. When you choose the session from "Organised Sessions", please select "**.Special session for Academicians**". The length of presentation time for academicians: 45 minutes (35 min talk + 10 min Q&A).

Ordinary delegates: You are required to choose "**GENERAL TOPICS**" and tick the most appropriate topic when you submit your abstract online.

Word limit: One page! Do not exceed one page!

Abstract limit: One delegate is allowed to submit **ONE** abstract (excluding co-authorship with other delegates)! Choose your most important work to present in this conference!

Keywords: A list of keywords



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Joint Conference Background

Theme: Environment, Health, GIS and Agriculture in the Big Data Era.

The three conference series of ISEH (International Symposium on Environment and Health), ICEPH (International Conference on Environmental Pollution and Health) and G16 (International Conference on Research Frontiers on Chalcogen Cycle Science and Technology) provide internationally leading platforms for interaction between scientists, consultants, and public servants engaged in the multi-disciplinary areas of environment and health. With the fast economic development, the importance of environment and health is widely recognized in the world. There is a growing demand for international experts to work together on this topic of common interest. Meanwhile, in the big data era, we are facing new challenges and opportunities. This conference provides a timely opportunity for a direct communication between international experts, and helps to foster and develop international collaborations.

ISEH conference history (Once every two years):

- 1st ISEH conference: SESEH (Sino-European Symposium on Environment and Health) 2012, Galway. <http://www.nuigalway.ie/seseh2012>
- 2nd ISEH conference: ISEH 2014, Beijing
- 3rd ISEH conference: ISEH 2016, Galway <http://www.nuigalway.ie/iseh2016>
- 4th ISEH conference: ISEH 2018, Shanghai

ICEPH conference history (Annual conference, <http://www.environhealth.cn>):

- 1st ICEPH conference: ICEPH 2015, Guangzhou
- 2nd ICEPH conference: ICEPH 2016, Guangzhou
- 3rd ICEPH conference: ICEPH 2017, Guangzhou
- 4th ICEPH conference: ICEPH 2018, Tianjin
- 5th ICEPH conference: ICEPH 2019, Harbin

G16 conference history (Once every two years):

- 1st G16 conference: G16 2008: Wageningen, the Netherlands
- 2nd G16 conference: G16 2010: Delft, the Netherlands
- 3rd G16 conference: G16 2013: Delft, the Netherlands
- 4th G16 conference: G16 2015: Delft, the Netherlands
- 5th G16 conference: G16 2016: Goa, India
- 6th G16 conference: G16 2018: Naples, Italy

ISEH 2020, the 5th International Symposium on Environment and Health; ICEPH 2020, the 6th International Conference on Environmental Pollution and Health and G16 2020, the 7th International Conference on Research Frontiers on Chalcogen Cycle Science and Technology will be jointly held at National University of Ireland, Galway, Ireland during Aug. 2-9. 2020 (www.nuigalway.ie/iseh2020).

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Galway is recognized as “2020 European Capital of Culture”. Located in the west of Ireland, Galway 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 train connections with Dublin and frequent direct bus connections with Dublin Airport and Shannon Airport.

The conference venue is the campus of National University of Ireland, Galway, within walking distance of Galway’s city centre.



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ISEH 2020, ICEPH 2020 & G16 2020: Conference Committees

Honorary Chair:

	<p>Shu Tao Peking University</p>
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Chair:

	<p>Chaosheng Zhang National University of Ireland, Galway</p>
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Co-Chairs (ISEH 2020):

	<p>Taicheng An Guangdong University of Technology (Environment)</p>
	<p>Guoyou Zhang The Geographical Society of China (Geography)</p>

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		<p>Cathal O'Donoghue National University of Ireland, Galway (Agriculture)</p>
		<p>Aihua Zhang Guizhou Medical University (Health)</p>
		<p>Niall O Brolchain National University of Ireland, Galway (IT)</p>

Co-Chairs (ICEPH 2020):

		<p>Eddy Zeng Jinan University</p>
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		<p>Daniel Schlenk University of California, Riverside</p>
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Co-Chairs (G16 2020):

		<p>Piet Lens National University of Ireland, Galway, Ireland</p>
		<p>Kannan Pakshirajan Indian Institute of Technology Guwahati, India</p>

Academic Secretary:

		<p>Shiming Ding Nanjing Institute of Geography and Limnology, CAS</p>
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Academicians (serving as Plenary Speakers)

(Chinese Academy of Sciences & Chinese Academy of Engineering, in alphabetic order)

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		Dai, Minhan Xiamen University
		Fu, Bojie Beijing Normal University
		Ma, Jun Harbin Institute of Technology
		Tao, Shu Peking University
		Zhou, Chenghu Institute of Geographic and Natural Resources Research, CAS

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Zhu, Yongguan
Institute of Urban Environment, CAS

Organizers:

- National University of Ireland, Galway
- Jinan University
- The Geographical Society of China

Co-Organisers (to be updated):

(In alphabetic order)

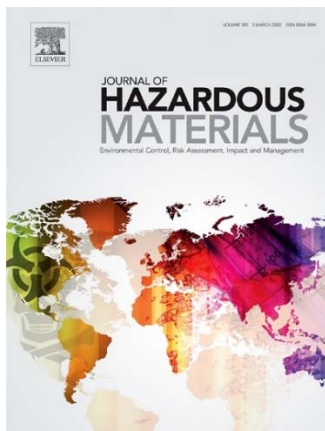
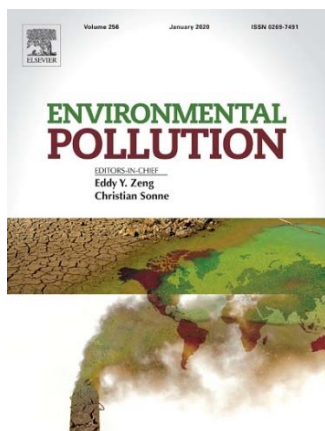
- Asia Resilience Center
- Central South University of Forestry & Technology
- Centre for One Health, NUI Galway
- Chengdu Technological University
- EuroGeoSurveys Geochemistry Expert Group
- Geological Survey Ireland
- Guangdong University of Technology
- Guizhou Medical University
- Harbin Institute of Technology
- Henan University
- IHE Delft, the Netherlands
- Indian Institute of Technology Guwahati, India
- Institute of Geographical Sciences and Natural Resources Research, CAS
- Institute of Urban Environment, CAS
- Ireland Brownfield Network
- IUGS Commission on Global Geochemical Baselines
- Nanjing Agricultural University
- Nanjing Institute of Geography and Limnology, CAS
- Nankai University
- NHC Key Laboratory of Reproductive Health
- Peking University
- Ryan Institute, NUI Galway
- The Committee on Environment and Reproductive Health, CEMS
- UNESCO International Center on Global-Scale Geochemistry
- Xiamen University

Supporting Journals (to be updated)

Special issues for the following international journals are being considered:
Environmental Pollution, Journal of Hazardous Materials, Science of the Total Environment



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Sponsors (to be updated)



Steering Committee:
(In alphabetic order)

Surname	First Name	Affiliation
Albanese	Stefano	University of Naples Federico II
Alvarez	Pedro	Rice University
An	Taicheng	Guangdong University of Technology
Arhin	Emmanuel	University for Development Studies
Ayotte	Joseph D.	U.S. Geological Survey
Ba	Yue	Zhengzhou University
Belyaeva	Olga	Center for Ecological-Noosphere Studies of NAS RA
Bhattacharya	Prosun	KTH Royal Institute of Technology
Birke	Manfred	Bundesanstalt für Geowissenschaften und Rohstoffe
Bolan	Nanthi	The University of Newcastle
Brooks	Bryan	Baylor University
Cachada	Anabela	University of Porto
Cai	Zongwei	Hong Kong Baptist University
Cao	Wenzhi	Xiamen University
Cave	Mark	British Geological Survey
Centeno	Jose A.	U.S.A. Food and Drug Administration
Chang	Scott X.	University of Alberta
Chen	Zhifan	Henan University
Chen	Xi	Chinese Center for Diseases Control and Preventive
Chen	Wei	China University of Geosciences
Chen	Jianmin	Fudan University

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Chen	Da	Jinan University
Cheng	Hefa	Peking University
Cox	Siobhan	Queens University Belfast
Croot	Peter	National University of Ireland, Galway
Dai	Minhan	Xiamen University
Daly	Karen	Teagasc, Johnstown Castle
Dang	Anrong	Tsinghua University
Davies	Theophilus C.	University of Lagos
de Caritat	Patrice	Geoscience Australia
De Vivo	Benedetto	Università Pegaso
Demetriades	Alecos	Institute of Geology and Mineral Exploration, Athens
Deng	Furong	Peking University
Ding	Shiming	Nanjing Institute of Geography and Limnology, CAS
Durães	Nuno	University of Aveiro
Feng	Xinbin	Institute of Geochemistry, CAS
Feng	Yujie	Harbin Institute of Technology
Fu	Bojie	Beijing Normal University
Fu	Shenglei	Henan University
Gan	Jay	University of California, Riverside
Gao	Yang	Institute of Geographic Sciences and Natural Resources Research, CAS
Gelman	Faina	Geological Survey of Israel
Giménez-Forcada	Elena	IGME - Instituto Geológico y Minero de España
Gu	Baojing	Zhejiang University
Guan	Dongxing	Tianjin University
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He	Mengchang	Beijing Normal University
Hou	Deyi	Tsinghua University
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Huang	Zhihong	Central South University of Forestry & Technology
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Kan	Haidong	Fudan University
Karl	Susan	U.S. Geological Survey
Keesman	Karel	Wageningen University
Knights	Kate	Geological Survey of Ireland
Ladenberger	Anna	Geological Survey of Sweden
Lee	Woo-Kyun	Korea University
Lei	Mei	Institute of Geographic Sciences and Natural Resources Research, CAS

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Li	Zhiwen	Peking University
Li	Xuhui	Henan University
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Li	Meifang	Jiangxi Normal University
Li	Xia	East China Normal University
Li	Xiangdong	The Hong Kong Polytechnic University
Liang	Tao	Institute of Geographical Sciences and Natural Resources Research, CAS
Liao	Xiaoyong	Institute of Geographical Sciences and Natural Resources Research, CAS
Lin	Jintai	Peking University
Liu	Juan	Guangzhou University
Liu	Chengshuai	Institute of Geochemistry, CAS
Liu	Xingmei	Zhejiang University
Liu	Huan	Tsinghua University
Liu	Wen	Peking University
Liu	Guo	Chengdu University of Technology
Liu	Min	East China Normal University
Longhurst	Philip	Cranfield University
Lu	Guining	South China University of Technology
Luo	Jian	Georgia Institute of Technology
Luo	Yongming	Institute of Soil Science, CAS
Ma	Jianmin	Peking University
Ma	Jun	Harbin Institute of Technology
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Morrison	Liam	National University of Ireland, Galway
Mouri	Hassina	University of Johannesburg
Muir	Derek	Environment & Climate Change Canada
Mulcahy	Maurice	Health Service Executive West, Galway
Négre	Philippe	French Geological Survey
O Brolchain	Niall	National University of Ireland, Galway
O'Donoghue	Cathal	National University of Ireland, Galway
O'Driscoll	Kieran	Queen's University Belfast
Ok	Yong Sik	Korea University
O'Rourke	Sharon	University College Dublin
Ovadnevaite	Jurgita	National University of Ireland, Galway
Pakshirajan	Kannan	Indian Institute of Technology Guwahati
Pan	Yuepeng	The Institute of Atmospheric Physics, CAS
Pan	Bo	Kunming University of Science and Technology
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Potito	Aaron	National University of Ireland, Galway
Qin	Mingzhou	Henan University
Reid	Brian	University of East Anglia

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Ryan	Mary	Teagasc, Rural Economy & Development Centre
Sahinkaya	Erkan	Istanbul Medeniyet University
Scanlon	Ray	Geological Survey Ireland
Schlenk	Daniel	University of California, Riverside
Serrano	Martin	Insight Centre for Data Analytics
Shi	Huahong	East China Normal University
Shi	Xun	Dartmouth College
Silva	Eduardo Ferreira da	University of Aveiro
Sinharoy	Arindam	National University of Ireland, Galway
Spillane	Charles	National University of Ireland, Galway
Sun	Jian	Xi'an Jiaotong University
Sun	Hongwen	Nankai University
Sweetman	Andrew	Lancaster University
Tack	Filip	Ghent University
Tang	Ya	Sichuan University
Tao	Shu	Peking University
Tarvainen	Timo	Geological Survey of Finland
Torrance	Keith	University of Strathclyde
Tsang	Daniel C.W.	The Hong Kong Polytechnic University
Venier	Marta	Indiana University
Volfson	Iosif	Russian Geological Society
Wang	Bin	Peking University
Wang	Chongjian	Zhengzhou University
Wang	Jingfu	Institute of Geochemistry, CAS
Wang	Dali	Jinan University
Wang	Xueqiu	UNESCO International Center on Global-scale Geochemistry
Wang	Hailong	Foshan University
Wang	Jinfeng	Institute of Geographic Sciences and Natural Resources Research, CAS
Wang	Xiangke	North China Electric Power University
Wang	Xiaoping	Institute of Tibetan Plateau Research, CAS
Wang	Yonghua	Chengdu Center of China Geological Survey
Wheaton	Rebecca	University College Dublin
Wong	Ming-Hung	The Education University of Hong Kong
Wragg	Joanna	British Geological Survey
Wu	Fan	Jinan University
Wu	Longhua	Institute of Soil Science, CAS
Xia	Xueqi	China University of Geosciences
Xia	Xinghui	Beijing Normal University
Xing	Baoshan	University of Massachusetts
Xu	Elvis Genbo	University of Southern Denmark
Xu	Jianming	Zhejiang University
Xu	Zhihong	Griffith University
Yan	Wende	Central South University of Forestry & Technology
Yan	Bing	Guangzhou University
Yang	Xingfen	Southern Medical University

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Yang	Linsheng	Institute of Geographic Sciences and Natural Resources Research, CAS
Yu	Yanxin	Beijing Normal University
Yu	Yingxin	Guangdong University of Technology
Yuan	Songhu	China University of Geosciences
Yuan	Zengwei	Nanjing University
Zappa	Achille	Insight Centre for Data Analytics
Zeng	Eddy Y.	Jinan University
Zhang	Lin	Peking University
Zhang	Hua	Institute of Geochemistry, CAS
Zhang	Zulin	The James Hutton Institute
Zhang	Yan	Fudan University
Zhang	Liwu	Fudan University
Zhang	Chaosheng	National University of Ireland, Galway
Zhang	Aihua	Guizhou Medical University
Zhang	Guoyou	The Geographical Society of China
Zhang	Gan	Guangzhou Institute of Geochemistry, CAS
Zhang	Weihong	University of Ghent
Zhang	Zengqiang	Northwest A&F University
Zhao	Fang-jie	Nanjing Agricultural University
Zheng	Na	Jilin University
Zheng	Yan	Southern University of Science and Technology
Zhou	Feng	Peking University
Zhou	Chenghu	Institute of Geographic and Natural Resources Research, CAS
Zhu	Hui	Northeast Institute of Geography and Agroecology, CAS
Zhu	Ying	Research Center for Eco-Environmental Sciences, CAS
Zhu	Mingshan	Jinan University
Zhu	Dongqiang	Peking University
Zhu	Lingyan	Nankai University
Zhu	Yongguan	Institute of Urban Environment, CAS



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ISEH 2020, ICEPH 2020 & G16 2020: Themes and Topics

General Themes (Listed for general guidance only, not organised sessions yet):

- Agriculture: Food quality, Precision agriculture, nutrient management, agricultural soil quality, in-field variation
- Air Pollution and Human Health
- Big data, GIS and quantitative methods in environment and population health
- Climate change and population health
- Emerging pollutants in the environment
- Environmental health and public health
- Human exposure and mechanism
- Links between environment and health, environment and genetic interaction
- Medical geology and endemic diseases
- New technologies: monitoring technologies, analytical technologies, soil remediation, waste water treatment, air pollution control
- Microbial production of chalcogen nanoparticles
- Pollutants: metals and metalloids; persistent organic pollutants and pesticides
- Role of metals in biodegradation
- Social impact assessment, economics and policies
- Soil quality and risk assessment
- Water quality and human health

General Topics (Listed for general guidance only, not organised sessions yet):

- Agriculture
- Air pollution and health
- Arsenic
- Big data and data analytics
- Bioavailability and bioaccessibility
- Biochar
- Biogeochemistry
- Bioreactor concepts and design
- Cancer and environment
- Clays, coal and health
- Climate change and population health
- Contaminated land
- Disaster management
- Ecological systems
- Environmental geochemistry
- Environmental health
- Environmental management
- Environmental monitoring
- Food quality
- GIS and quantitative methods
- Health GIS
- Heavy metals
- Indoor air quality

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- Medical geology
- Microbiology
- Microplastics
- Nanoparticles
- New emerging pollutants
- Pharmaceuticals
- POPs
- Risk assessment
- Reactive transport modelling
- Sediments
- Sensors and technologies
- Soil pollution and threats
- Speciation of metals and metaloids
- Urban environment
- Water quality



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Registration Fees*

	Earlier-bird registration	Regular registration
Delegates	Euro 450	Euro 550
Student delegates	Euro 250	Euro 325

*The Conference registration fee includes the following:

- All conference sessions
- All poster sessions
- Coffee and Tea Breaks
- Lunches
- Welcome Reception

Not included: Conference Dinner, Fieldtrips and Optional Leisure Tours

Onsite registration for non-presenting delegates: Euro 575.

Important Dates

Date	Item
September 30, 2019	Deadline for Session Proposals
December 1, 2019	Abstract submission opens
March 1, 2020	Deadline for abstract submission
March 15, 2020	Registration opens; Decision on abstracts notified to authors
May 15, 2020	Deadline for early-bird registration
June 08, 2020	Unregistered abstracts to be removed Conference programme finalized
June 22, 2020	Conference accommodation room block ends
July 15, 2020	Online registration closes
August 2-9, 2020	Conference and fieldtrips (Aug. 2-3 Pre-conference fieldtrips Aug. 3 evening, Reception; Aug. 4-6, Conference; Aug. 7-9, Fieldtrips)

Fieldtrips: Cliffs of Moher, Connemara, Giant's Causeway



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Approved Sessions

(In alphabetic order of names of 1st session convenors)

<p>Albanese, Stefano (University of Naples Federico II, Università degli Studi di Napoli Federico II), stefano.albanese@unina.it; Belyaeva, Olga (Center for Ecological Noosphere Studies of NAS RA), olga.belyaeva@cens.am. Environmental Low-Level Radioactivity & Health. The contribution of naturally occurring and artificial sources in background radiation and related health effects are changing rapidly in space and time. This session covers topics of natural and low-level radioactivity in the environment, as well as the assessment of related health risks.</p>
<p>Ba, Yue & Wang, Chongjian (Zhengzhou University) byyue@zzu.edu.cn; tjwcj2008@zzu.edu.cn. Climate change and Health. Climate and climate change are playing an import role in human health. For example, extreme heat can increase the incidence of cardiovascular, respiratory and mental diseases in the population. This session invites talks in the following topics: Health Risk Assessment of Climate Change, Climate Change and Health Management, Microclimate and Health.</p>
<p>Bolan, Nanthi (University of Newcastle), Nanthi.Bolan@Newcastle.edu.au; Rinklebe, Jörg (University of Wuppertal), rinklebe@uni-wuppertal.de; Ok, Yong Sik (Korea University). yongsikok@korea.ac.kr. PFAS Beyond Defence. Poly- and perfluoroalkyl substances (PFASs) are a diverse group of synthetic fluorinated compounds, which are bio-accumulative and toxic to humans and the environment. Aqueous film forming foam (AFFF) used in firefighting is a point source of PFAS input to soil and groundwater. Recently, there have been major concerns about contamination of groundwater sources with PFAS compounds in sites that have been testing AFFF for firefighting. Many studies have detected PFAS compounds in soil and groundwater sources resulting from AFFF used in firefighting sites, especially in defence sites. Incidences of PFAS contamination of soil and groundwater sources have been noticed beyond defence sites that include landfills and wastewater treatment plants. Biosolids and landfills are two other major diffuse sources of PFAS input to soil and groundwater sources. There have been limited research on PFAS compounds from other sources and their subsequent contamination in soil and water resources. This session cover the sources, distribution, toxicity and remediation of PFAS compounds - beyond defence sites.</p>
<p>Cao, Wenzhi (Xiamen University). wzcao@xmu.edu.cn. Water environment health and ecological restoration. Water environment health is related to social and economic development, people's living environment and quality of life. Water pollution prevention and control, water environment treatment, water ecological restoration, water environment dynamic monitoring and big data analysis, water environmental health assessment, etc., are the guarantee of water ecological security.</p>
<p>Cave, Mark & Wragg, Joanna (British Geological Survey). mrca@bgs.ac.uk; jwraq@bgs.ac.uk. Assessing the relationship between soil and human health. Whether we live in rural or urban settings we have an intimate relationship with soil; we work with it, we grow our food in it and we play in it. We would like to invite papers on how we approach applying both qualitative and quantitative methods to the measurement of the chemical and physical aspects of soil and soil born contaminants that can impact on human health.</p>
<p>Chen, Jianmin & Zhang, Liwu (Fudan University), jmchen@fudan.edu.cn; zhanglw@fudan.edu.cn Tropospheric multiphase chemistry. Interactions between gas/liquid-phase species and atmospheric aerosol particles can significantly influence the chemistry of the atmosphere. Research in heterogeneous and multiphase atmospheric chemistry will be discussed in this session.</p>
<p>Chen, Xi (National Institute of Environmental Health, Chinese Center for Diseases Control and Preventive). chenxi@nieh.chinacdc.cn; Li, Yu-Feng (Institute of High Energy Physics, CAS). liyf@ihep.ac.cn. Big data promoting health: Innovations for better environment. This session will cover the acquiring and processing of environmental and health data based on high resolution remote sensing, GIS, risk assessment and management for environmental chemicals. It will also cover the exploring of the role of big data in promoting policy decision.</p>
<p>Chen, Zhifan & Li, Xuhui (Henan University), chenzhf0604@163.com; lixuhui@henu.edu.cn. Environmental friendly remediation on polluted environment. How to remediate friendly polluted environment has become concerned problem all over the world. All kinds of biological technologies and combined application of multiple technologies, such as phytoremediation, microbiology, biochar and so on, were popupar in remediation research on polluted environment. However, application and mechanisms of these methods still need to be discussed and made further studies.</p>



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<p>Cheng, Hefa (Peking University), hfac@pku.edu.cn; Luo, Jian (Georgia Institute of Technology), jian.luo@ce.gatech.edu.</p> <p>Interfacial mass transfer in natural and engineered environmental systems: fundamental understanding and modelling.</p> <p>Interfacial mass transfer often governs the overall transport processes that occur in natural and engineered environmental systems, such as adsorption, volatilization, precipitation, and membrane filtration. This session aims to highlight the recent advances in the understanding of interfacial mass transfer and its modelling in the context of both classical and new unsolved environmental problems.</p>
<p>Davies, Theophilus C. (University of Lagos), theo.clavellpr3@gmail.com.</p> <p>Recent Advances in Medical Geology Research in Africa.</p> <p>The purpose of the proposed Session is to review the current status of Medical Geology research around the Continent, document the successes, identify the knowledge gaps, address the pitfalls and take a look at the current challenges and future perspectives. It is against this backdrop that the design of further research in the subject would be predicated.</p>
<p>Ding, Shiming (Nanjing Institute of Geography and Limnology, CAS), smding@niglas.ac.cn; Tsang, Daniel C.W. (The Hong Kong Polytechnic University); Email: dan.tsang@polyu.edu.hk; Wang, Jingfu (Institute of Geochemistry, CAS), wangjingfu@mail.gyig.ac.cn.</p> <p>Sediment Pollution Assessment and Remediation/Management.</p> <p>Sediment plays a critical role in maintaining the balance and health of aquatic ecosystem. Unfortunately, the accumulated pollutants in sediments is becoming a major pollution source in many freshwater and coastal systems. This Special Symposium will address recent research advances in sediment pollution assessment and remediation/management, which include but are not limited to: (1) new techniques and methods in assessment of sediment quality, (2) novel materials and engineering measures in remediation of polluted sediments, and (3) holistic paradigms in management of sediments.</p>
<p>Feng, Yujie (Harbin Institute of Technology), yujief@hit.edu.cn.</p> <p>Water pollution control and risk analysis.</p> <p>Aiming the pollution problems in urban water system both in urban and rural area, the session will focused on pollution control technologies and resources recovery. The session will also focused on the risk analysis of the emergent substances in effluent.</p>
<p>Gelman, Faina (Geological Survey of Israel), faina@gsi.gov.il.</p> <p>Environmental fate of organic pollutants.</p> <p>Contamination of soil and water resources by harmful organic compounds will be presented. The possible fate of organic pollutants in the environment including natural biotic and abiotic transformation and bioaccumulation will be discussed.</p>
<p>Gu, Baojing (Zhejiang University), bjgu@zju.edu.cn; Zhu, Hui (Northeast Institute of Geography and Agroecology), zhuhui@iga.ac.cn.</p> <p>Environmental and Health Effect of Reactive Nitrogen.</p> <p>Nitrogen has exceeded its safe planetary boundary over two times, resulting in sever air and water pollution that damage human and ecosystem health. This session covers topics of environmental pollution, human health, ecosystem services and climate change due to reactive nitrogen use and loss in terrestrial and aquatic ecosystems.</p>
<p>Hardiman, Gary; O'Driscoll, Kieran Thomas Anthony (Queen's University Belfast), G.Hardiman@qub.ac.uk; kieran.odriscoll@qub.ac.uk.</p> <p>Systems Analysis of the Impact of Waste in the Coastal Zone.</p> <p>This session will examine the environmental fate and biological impacts of persistent organic pollutants and microplastics (µPs) exposure in sentinel marine species that can provide advanced warnings of environmental risk. It will explore recent advances in numerical modelling for fate and transport of contaminants, toxicology, Omics and systems level analyses.</p>
<p>Hatzikioseyan, Artin (National Technical University of Athens), artin@metal.ntua.gr.</p> <p>Environmental / Process Modelling.</p> <p>Environmental modelling is an important topic for environmental engineers and scientists. The session covers topics of bioprocess modelling and simulation, waste water treatment modelling, air pollution modelling, soil pollution and decontamination modelling.</p>
<p>Huo, Xia (Jinan University), xhuo@jnu.edu.cn.</p> <p>Human Health at the Pollutant-Contaminated Sites.</p> <p>Rapid innovation in the electronics industry have resulted in a fast-growing surge of waste around the globe. High-volume informal waste recycling has been reported in many countries. Specific chemical elements and compounds are components of the waste or released during the recycling process. As a result, higher levels of heavy metals and organic pollutants are found in surrounding environmental and human biospecimens in refuse disposal areas. There are associations between exposure to environment pollutants and adverse health outcomes. In particular, long-term health</p>

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<p>effects and disease risks related to pollutant-exposures deserve our attention. This session covers topics of the links between e-waste / industrial pollution and human health.</p>
<p>Ji, Junfeng (Nanjing University), jijunfeng@nju.edu.cn; Xia, Xueqi (China University of Geosciences), xiaxueqi@cugb.edu.cn.</p> <p>Environmental Hazards from Geological Sources: Natural Processes and Human Disturbances.</p> <p>Some geological bodies, in the aspect of either petrology or stratigraphy, are sources of some pollutants for soil, water and/or air. Its regional hazards to the environment and human health may be aggravated or triggered by some human activities related to economic development. This session covers topics about the process of transformation and movement of the natural occurring pollutants and human disturbances on it.</p>
<p>Lin, Jintai (Peking University), linjt@pku.edu.cn.</p> <p>Economic Trade and Environmental Health.</p> <p>By allowing regions consuming goods and services to be separated from other regions producing them, the economic globalization and trade has meant substantial environmental problems such as pollution and climate change embedded in global supply chains. This session invites studies addressing the linkage between trade and environmental health that offers insight for the inter-regional economic-environmental relationship across the world.</p>
<p>Liu, Juan (Guangzhou University), liujuan858585@163.com; Liu, Cheng-Shuai (Institute of Geochemistry, CAS), liuchengshuai@vip.gyig.ac.cn; Lu, Gui-Ning (South China University of Technology), GNLU@foxmail.com.</p> <p>Heavy metal contamination, source apportionment and pollution control.</p> <p>Heavy metal contamination and environmental transfer, migration and transportation in earth surface from industrial activities; source apportionment by using metal isotopes and multivariate analysis; pollution control and treatment for heavy metals in water and soils.</p>
<p>Liu, Wen (Peking University), wen.liu@pku.edu.cn; Zhu, Mingshan (Jinan University), zhumingshan@jnu.edu.cn.</p> <p>Advancement in Water Pollution and Water Treatment with Nanomaterials</p> <p>Currently, various functional materials and new technologies have been developed for monitoring and removal of contaminants from waters or wastewaters. Therefore, full understanding the interactions between nanomaterials and contaminants in water matrix, as well as that between nanomaterials and typical materials in natural water systems including sediment, inorganic ions, natural organic matters (NOMs) and microorganisms, is key scientific issue in this area. This session proposal fosters the exchange and discussion among scientists from different background to provide a general picture of environmental application of nanomaterials in water pollution and treatment systems. This session focuses on (but not limited to) the following fields: (1) Design and synthesis of novel functional materials for water detection and decontamination; (2) New technologies and methods on water pollution control; (3) Transport and transformation of pollutants in aquatic system and the environmental geochemical processes; and (4) Progress in theoretical and computational chemistry related to environmental applications in water treatments.</p>
<p>Liu, Xingmei (Zhejiang University), xmliu@zju.edu.cn; Zheng, Na (Jilin University), zhengnalzz@neigae.ac.cn; Huang, Lei (Nanjing University), huanglei@nju.edu.cn.</p> <p>Soil quality and risk assessment</p> <p>Soil quality comprehensively represents the ability of soil to maintain productivity, purify environment and protect the health of animals and plants. Pollutants in soil are not only harmful to ecology, also can be absorbed by crops and transferred to the food chain, which directly impacts on human health. With the improvement of living standards and the deterioration of soil, people pay more attention to the health effects of soil environmental quality and food safety. Evaluating soil quality in agro-system can provide guidelines for land use management and soil environmental protection, and it can facilitate regional environmental and human health risk assessment. This symposium will focus on discussing various, especially new methods adopted in soil quality assessment. Besides, occurrence, transport, fate and risk assessment of various pollutants in contaminated sites will also be addressed.</p>
<p>Longhurst, Philip (Cranfield University), P.J.Longhurst@cranfield.ac.uk; Lei, Mei (Institute of Geographic Sciences and Natural Resources Research, CAS), leim@igsnr.ac.cn.</p> <p>Health problems of farmers, farmworkers, and consumers through the extensive risk assessment</p> <p>Agriculture is the foundation of the world economy, and agricultural population accounts for 41.6% of the whole population in the world. However, there is a lack of special concern to the health problems of the agricultural population. This session will focus on the health risks caused by farmland pollution through various exposure routes; the advanced health risks evaluation methods; and the strategies to alleviate these health risks. In this session, we will provide an interaction platform for scientists from environmental chemistry, human exposure and health effects, and soil remediation.</p>
<p>Mal, Joyabrata Mal & Lens, Piet Lens (National University of Ireland, Galway), joyabrata.mal@nuigalway.ie; piet.lens@nuigalway.ie.</p> <p>Anthropogenic and geogenic pollution by sulphur and selenium and human health.</p> <p>Environmental effects of sulphur pollution in soils and freshwater systems are well known. While selenium is an essential trace element for animals and human, it is a potential toxin at elevated concentrations. This session is specifically devoted to explore the problems related to anthropogenic and geogenic pollution by sulphur and selenium</p>

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compounds from a science, engineering, health and environment perspective. Ireland is one of the most selenium deficient countries in the world, it is also important to address selenium deficiencies, while in few regions the selenium content of the soil is among the highest reported worldwide. This session will address the causes of sulphur and selenium pollution, exposure pathways, and consequent human health risks and novel techniques for bioremediation.

McKinley, Jennifer (Queen's University Belfast), j.mckinley@qub.ac.uk

Compositional data analysis in Environment and Health.

This session is sponsored by the International Association of Mathematical Geoscience (IAMG) and the Compositional Data Analysis Association (CoDa).

There is an increasing amount of spatial geochemical data available that can be used to explore complex relations between environmental factors and human health. Such data sets pose many challenges for accurate analysis and interpretation including the fact that correlations between raw geochemical compositional data are spurious, prone to artefacts and potentially unrelated to any natural processes. This session offers a practical forum of discussion for people concerned with the statistical treatment, modelling and interpolation of compositional data in geochemical applications, particularly focused on geochemical mapping, the environment and health.

Negrel, Philippe (BRGM – French Geological Survey), p.negrel@brgm.fr; Demetriades, Alecos (IUGS Commission on Global Geochemical Baselines; Institute of Geology and Mineral Exploration (IGME), Hellas (retired)), alecos.demetriades@gmail.com.

Geochemical mapping at all scales: evidence from soil, sediment, water and plants

Session co-sponsored by the EuroGeoSurveys Geochemistry Expert Group, the IUGS Commission on Global Geochemical Baselines and the International Association of GeoChemistry (IAGC).

Geochemical mapping is an established method for studying the spatial distribution of chemical elements in different media, e.g., rock, soil, water, sediment and plants, and to document changes in their chemical composition occurring in different compartments of the ecosystem. Depending on the target and question to be answered, the resulting geochemical data can be used in mineral exploration, environmental, medical and forensic sciences, agriculture, forestry, land use planning, etc.

The aim of the session is to present the status of geochemical mapping in the XXI century with the rapid development of novel methods, and unavoidable presence in the digital world with focus on continental, regional and local (e.g., catchment or urban environment) scale geochemical mapping data sets, using various sampling media, like soil, sediment, water, plants, etc.

Ó Broilcháin, Niall (Insight Centre for Data Analytics, NUI Galway), niall.obrolchain@insight-centre.org; Morley, Terry (National University of Ireland, Galway), terry.morley@nuigalway.ie.

Data Sharing in Environment and Health.

With increasing data available in Environment and Health, the international data landscape is continuously evolving.

This session explores practical measures to improve our environment, health and well-being through sharing of Environmental and Health data. In particular the establishment of methodologies and tools to evaluate the potential of public datasets to be shared.

O'Rourke, Sharon; Harty, Mary; Wheaton, Rebecca (University College Dublin), sharon.orourke1@ucd.ie; sharonmkorourke@gmail.com; Mary.Harty@ucd.ie; rebecca.whetton@ucd.ie.

Soil monitoring in Environment and Agriculture.

The future of soil monitoring depends on the rapid generation of soil data. This session covers applications of portable soil sensors, drones and on-the-go technologies in monitoring soil sustainability and health.

Patinha, Carla (University of Aveiro), cpatinha@ua.pt; Cachada, Anabela (University of Porto), acachada@fc.up.pt; Durães, Nuno (University of Aveiro), nunoduraes@ua.pt; Silva, Eduardo Ferreira da (University of Aveiro), eafsilva@ua.pt.

Soil salinization: Threats and challenges to promote resilient ecosystems.

Soil is facing several threats that are causing its degradation worldwide. An example of the subtler and progressive soil degradation is the soil salinization, which negatively affects soil quality, productivity, ecosystem services and food security. One of the factors that has contributed most to these scenarios is the global warming manifested through higher and more variable temperatures, changes in precipitation patterns, higher frequency of extreme events, rise in mean sea level and, consequently, the invasion of saline waters on land.

This session will be devoted to: (a) discuss, from a multi-disciplinary perspective, the problems associated with soil degradation and climate change; (b) exchange of experience in case studies devoted to soil and fresh water salinization, as well as the plant response and adaptation to these adverse scenarios; (c) understand the changes and responses of soil biodiversity affected by salinization; (d) discuss strategies for prevention/mitigation of the degradation risk in sensitive areas.

Qin, Mingzhou (Henan University), mzqin@henu.edu.cn

Environment planning for improving the people's health.

With increasing caring for the relation between Environment and Health, environment planning importance is considered as the key beginning of environment management more and more since the environment is necessary exposure for



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<p>human being life. This session covers topics of planning theory, planning practice, RS, GIS and their applications in Environment and Health.</p>
<p>Serrano, Martin & Zappa, Achille (Insight Centre for Data Analytics), martin.serrano@insight-centre.org; achille.zappa@insight-centre.org.</p> <p>IoT data for active and healthy aging. As IoT data becomes more relevant to healthy aging this session examines the barriers to convert the currently available IoT platforms in a DYNAMIC ECOSYSTEM with connected devices and open systems and architectures integrated within different areas. This session covers all topics related to IoT including, data, platforms, technologies and standards.</p>
<p>Shi, Huahong (East China Normal University), hshshi@des.ecnu.edu.cn; Xu, Elvis Genbo (University of Southern Denmark), genboxu@126.com; Zeng, Eddy Y. (Jinan University), eddyzeng@jnu.edu.cn.</p> <p>Environmental fate, ecotoxicity, and health effects of micro- and nanoplastics. Environmental impacts and health risks of microplastics have become a widespread scientific and societal concern due to the dramatic increase in the production and consumption of plastics. More recently, plastic particles of nanoscale, i.e., nanoplastics, have started to attract growing attention from scientists and environmental managers because of their easier bioaccumulation, stronger toxic effects, and less understood mechanism of toxicity compared to larger plastic particles. This session aims to cover a broad range of topics on the occurrence, transport, fate, ecotoxicity, and health effects of micro- and nanoplastics, which will significantly enhance our understanding of the plastic particle issues.</p>
<p>Shi, Xun (Dartmouth College), xun.shi@dartmouth.edu; Li, Meifang (Jiangxi Normal University, Dartmouth College), meifang.li@dartmouth.edu.</p> <p>Spatial Analysis and Spatial Statistics for Environmental Health Studies New methods in spatial analysis and spatial statistics have been constantly emerging to achieve a more scientifically rigorous quantification of spatial associations between diseases and environmental risks. This session invites presentations on novel geospatial methods, algorithms, and procedures for environmental health studies.</p>
<p>Sun, Jian (Xi'an Jiaotong University), sunjian0306@mail.xjtu.edu.cn.</p> <p>Aerosol Exposure and Health. Aerosols, including primary emitted and secondary formed, contains lots of toxic chemicals which are harmful to human health. Exploring new approaches in evaluating health effects of aerosol exposure is important and urgent in Environment Health studies. This section covers topics of in-vivo, in-vitro, risk assessment model, epidemiology and any other studies in Aerosol Exposure and Health Effect Evaluation.</p>
<p>Sweetman, Andrew (Lancaster University), a.sweetman@lancaster.ac.uk; Zhu, Ying (Research Center for Eco-Environmental Sciences, CAS), yingzhu@rcees.ac.cn.</p> <p>Sources, fate and environmental and human health risks of emerging chemicals. Awareness of the importance of chemicals of emerging concern has increased as a result of their potentially high environmental and/or human health risks. These substances include but not limited to pharmaceuticals and personal care products ingredients, PFOA and PFOS, neonicotinoid pesticides and new flame retardants etc. However, there is currently limited knowledge on sources, fate and risks both regionally and globally for many of these chemicals. This session covers topics across this field, especially focussing on modelling work on sources, fate, exposure pathways and environmental/human health risks.</p>
<p>Tsang, Daniel (Hong Kong Polytechnic University), dan.tsang@polyu.edu.hk; Hou, Deyi (Tsinghua University), houdeyi@tsinghua.edu.cn.</p> <p>Data driven sustainable remediation of contaminated land. Submissions in the areas of new development for green and sustainable remediation, mapping soil pollution with multivariate analysis and GIS techniques, use of big data in environmental pollution prevention and remediation, etc.</p>
<p>Wang, Bin (Peking University), binwangpku@foxmail.com; Li, Zhiwen (Peking University), lizw@bjmu.edu.cn; Yu, Yanxin (Beijing Normal University), yuhe_f@sina.com.</p> <p>Environmental Pollution and Reproductive Health. The adverse effects of various environmental pollutants on human reproductive health have been attracting worldwide concern. This session covers the topic about the associations of population exposure to organic pollutants and inorganic toxic metal(loid)s with adverse reproductive outcomes from the epidemiological studies, as well as the mechanism studies using animal models.</p>
<p>Wang, Hailong (Foshan University), hailong.wang@fosu.edu.cn.</p> <p>Biochar function in environment and health. This session covers topics on the relationship between the biochar function and environmental health, and the role of biochar in environmental management and remediation. We wish to promote international cooperation in biochar research and development related to environment and health.</p>
<p>Wu, Fan (Jinan University), fanwu@jnu.edu.cn; Wang, Dali (Jinan University), wdali2018@jnu.edu.cn.</p> <p>Environmental impacts of engineered nanomaterials throughout life cycle</p>

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One of the aims of environmental nanotechnology and nanoscience is to enable engineering of nanomaterials which enhances utility while minimizing environmental risks. Combining risk assessment with life cycle assessment results has great potential to enhance the understanding of nanomaterials environmental impacts. This session will place high importance on the risk evaluation of nanomaterials, such as environmental fate, exposure, organismal uptake, bioavailability, toxicity. The overarching goal of this session is to utilize risk assessment results to support the impact analyses of nanomaterials throughout life cycle.

Yan, Wende; Huang, Zhihong (Central South University of Forestry & Technology), csfuywd@hotmail.com; t20101382@csuft.edu.cn; huanghugh2013@yahoo.com.

Mine waste land pollution and phytoremediation

Heavy metal contamination in soils caused by mining activities has become a major environmental concern globally. Phytoremediation has been widely accepted for its low cost, friendly human-environment relationship, aesthetic effect and long-term applicability. This session covers topics of soil pollution in mine waste and its phytoremediation.

Yang, Zhugen (Cranfield University), zhugen.yang@cranfield.ac.uk; Zhang, Hua (Institute of Geochemistry, CAS), zhanghua@mail.gyig.ac.cn.

Sensors for Environmental Diagnostics and Remediation.

Sensors provide a sensitive and selective platform for rapid monitoring of chemical, biological and microbial contaminant, which is of significant importance for the effective remediation. This session will bring together experts in sensors development, point-of-use analysis, advance analytical science, and remediation for environment and health.

Yu, Yingxin (Guangdong University of Technology), yuyingxin@gdut.edu.cn; An, Taicheng (Guangdong University of Technology), antc99@gdut.edu.cn.

Emerging Organic Pollutants and Health Risks.

Emerging organic pollutants (EOPs) have been frequently determined in the environment and human bodies. The harmful effects associated with the exposure to EOPs are a major threat to the environment, as well as human health. This session covers topics of novel assays, tools, screening and analytical methods, environmental occurrences, exposure and health effects of emerging organic pollutants.

Yuan, Songhu (China University of Geosciences (Wuhan)), yuansonghu622@cug.edu.cn; Wang, Yanxin (China University of Geosciences (Wuhan)), yx.wang@cug.edu.cn.

Iron related reactions and processes and the influence on water quality.

Iron in dissolved and solid phases is abundant in the environment. Biogeochemical reactions and processes associated with iron are coupled to a wide range of elements cycling (i.e., C, N, Fe, S, As, etc) and contaminants transformation, and thus impact the quality of groundwater and surface water. This session covers topics of fundamental processes about iron cycling in different phases, redox reactions and processes related to iron and influence of the processes on water quality.

Zhang, Aihua (Guizhou Medical University), 348113528@qq.com; aihuagzykd@163.com;

Yang, Xingfen (Southern Medical University), xfyang@vip.163.com.

Health damage and health risk assessment of environmental pollution.

More and more diseases have been proved to be related to environmental pollution. It is important to reveal the health damage induced by environmental pollution and establish effective method of health risk assessment to prevent and control pollution-related diseases. This session covers topics: pollution-related health damage and its mechanism, intervention study in pollution-related diseases, biomarkers of environmental pollutant exposure, health risk assessment of environmental pollutant exposure, application of big data and bioinformatics in the study of environmental pollution and health damage.

Zhang, Yan (Fudan University), yan_zhang@fudan.edu.cn; Liu, Huan (Tsinghua University), liu_env@tsinghua.edu.cn;

Matthias, Volker (Helmholtz-Zentrum Geesthacht GmbH, Institute of Coastal Research), volker.matthias@hzg.de.

Moldanová, Jana (Swedish Environmental Research Institute), jana.moldanova@ivl.se.

Air pollution and health effects from ship and port-related emissions.

Shipping is an important source for air pollution, in particular in coastal areas and big ports. This session includes modeling and observational studies on emissions from ships and ports, their impact on air quality and deposition and finally on human health and terrestrial/marine ecosystem changes.

Zhang, Zulin (The James Hutton Institute), zulin.zhang@hutton.ac.uk; Guan, Dong-Xing (Tianjin University),

dxguan@tju.edu.cn; Chen, Wei (China University of Geosciences), wei.chen@cug.edu.cn.

Passive Sampling of Organic Contaminants in Environment.

Passive sampling has made enormous advancements over the last few decades and has evolved into a highly versatile tool to study organic contaminants in a multitude of environments. This session covers topics of passive sampling method advances, applications of passive sampling in aquatic, atmospheric and terrestrial environment, passive sampling for routine monitoring and regulatory purposes of organic contaminants.

Zheng, Yan (Southern University of Science and Technology), yan.zheng@sustech.edu.cn;

Ayotte, Joseph (United States Geological Survey), jayotte@usgs.gov.

Advances in Geohydrologic Statistical Models for Environmental Health Risk Assessment.



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Exposure to geogenic and anthropogenic contaminants in groundwater is a major public health concern in many countries. This has motivated the development and applications of statistical models, informed by geology and hydrology that allow for an enhanced risk assessment with some predictive capability and estimation of uncertainty. Contributions addressing recent advances in the applications of machine-learning methods in such modelling efforts are encouraged.

Zhou, Feng (Peking University), zhouf@pku.edu.cn; Zhang, Lin (Peking University), zhanglg@pku.edu.cn; Gao, Yang (Institute of Geographic Sciences and Natural Resources Research, CAS), gaoyang@igsrr.ac.cn; Pan, Yuepeng (The Institute of Atmospheric Physics, CAS), panyuepeng@mail.iap.ac.cn.

Global nitrogen cycle and its environmental consequences.

We seek contributions from novel studies that conduct site-level experiments, satellite observations, globally-compiled datasets, and modelling simulations of global nitrogen cycling processes, and that quantify the environmental impacts on air or water quality and related health risks.

Zhu, Lingyan (Nankai University), zhuly@nankai.edu.cn; Chen, Da (Jinan University), dachen@jnu.edu.cn; Venier, Marta (Indiana University), mvenier@indiana.edu.

Emerging Contaminants of High Concerns: Environmental Processes and Human Exposure

Due to restrictions on the production and application of some environmentally-related chemicals, a variety of substitutes, which are considered to be less bioaccumulative or persistent, emerge in the environment and attract great concerns over their potential environmental risks. This session covers the topics of emerging organic pollutants in the environment and associated human health risks, including their occurrence and source identification in multiple environmental media; bioaccumulation and trophic transfer, transport and transformation in the environment, as well as human exposure via multiple pathways.

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ISEH 2020, ICEPH 2020 & G16: Guidelines for Session Convenors

(Call for session proposal was closed on October 15, 2019)

(Abstract submission is open until March 1, 2020)

Benefits of becoming a session convener of ISEH 2020, ICEPH 2020 & G16 2020:

- You will become a member of ISEH 2020, ICEPH 2020 & G16 2020 Steering Committee.
- You will be appointed as a session chair of the session you convene.
- You can invite a co-convenor for your session and the co-convenor will become a member of ISEH 2020, ICEPH 2020 & G16 2020 Steering Committee.
- You have the right to appoint “Invited Speakers” for the session you convene, and write invitation letters as a session convener.

Procedure to convene a session:

1. Contact Chair of the Joint Conference to discuss your session proposal. The information should include:
 - Session name (with a few words only);
 - Session convener name(s), affiliation(s), email address(es);
 - Short description of the session
2. When your session proposal is approved, you become a member of ISEH 2020, ICEPH 2020 & G16 2020 Steering Committee
3. Go ahead to invite your colleagues to prepare abstracts for your session.
4. Ask all those who have agreed to submit an abstract for your session (including yourself) to submit their abstracts via the online system and tick “Organized Sessions” (The online abstract submission system opens on December 1, 2019).
5. Ask all those who have submitted an abstract for your session (including yourself) to register to ISEH 2020, ICEPH 2020 & G16 2020 via the online registration system and pay the registration fees (The online registration system opens on March 15, 2020).
6. Chair your session at ISEH 2020, ICEPH 2020 & G16 2020 (August 2-9, 2020).

Notice:

- A session normally contains 5 oral presentations and unlimited number of posters.
- If you cannot get 5 oral presentations, other suitable presentations will be included in your session. In this case, you may still be appointed as the session chair, unless your session has to be combined with others or you are unable to attend the conference due to unforeseeable reasons.
- If you get more than 5 oral presentations, you can have more than one session timeslot.