



Land Condition Symposium 2021

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OMNIA

Pendulum Hotel, Manchester
16th November 2021



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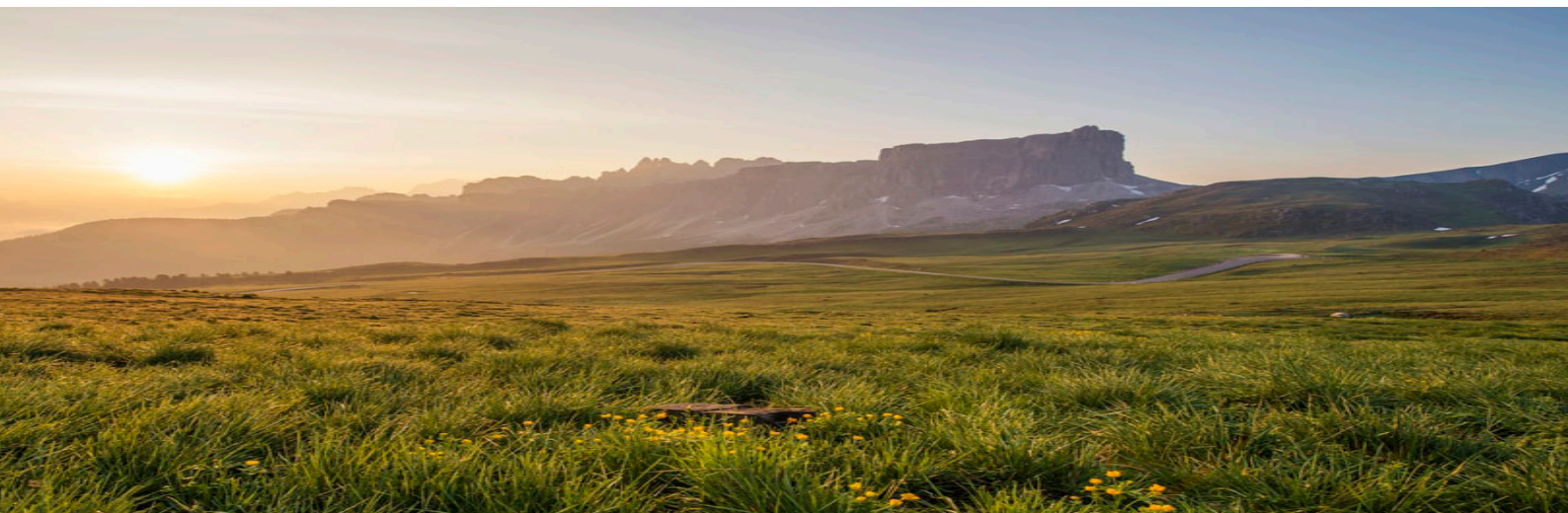


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IES_UK #LCS21

About the IES



The Institution of Environmental Sciences (IES) is a membership organisation representing environmental professionals from across the full spectrum of environmental disciplines.

The IES is a membership organisation which represents and supports professionals in fields as diverse as land condition, air quality and marine science - wherever you find environmental work underpinned by science.

The Institution leads the debate, dissemination and promotion of environmental science, and champions an evidence-based approach to decision and policymaking, to stand up for science, scientists and the natural world.

The IES believes the application of scientific principles deepens our understanding of the natural environment and sustainable development.

Committed to excellence, the IES exists to serve its members and the public, constantly seeking innovation and distinction in the services it provides.

In upholding the standards and importance of the profession, the IES maintains a position not only to advocate for environmental science, but to act as a catalyst for improvement. The Institution seeks to identify an inspirational vision for the profession as a whole and the strategic direction to implement this.

Land Condition experts make up one of the largest specialisms within IES membership. In 2017, the IES launched a new land condition community to coordinate the organisation's work in this area.



Professionalism



Sound Science



**Quality assurance
Responsibility**



**Equality
Equity**



Integrity

Symposium programme

09:30	Registration & Refreshments
09:50	Welcome from the Chair
10:00	The power of soils and stones – a collaborative case for our future - Martin Ballard, Willmott Dixon Holdings
10:30	Sustainable soil management – is this possible? - Joanne Kwan, CIRIA
11:00	Refreshments & Networking
11:15	Future DoW CoP - Nick Willenbrock, CL:AIRE
11:45	The National Quality Mark Scheme (NQMS) for the management of land affected by contamination - Seamus Lefroy-Brooks, LBHGEO
12:15	Lunch
13:05	Welcome back from the Chair
13:15	Soil reuse and management of waste on development sites – David Kerr, Chair of the Ireland Brownfield Network
13:45	Improving and protecting soil health, policy overview - Rachel Boulderstone, Defra
14:15	The latest guidance from the SoBRA sub-group on asbestos - Simon Cole, AECOM / SoBRA
12:45	Removing uncertainty in the assessment risks to buildings from hazardous vapours in contaminated soils - James Wragg, Geosyntec
15:15	Refreshments & Networking
15:30	Green and pressured land and soil - the policies that need to lead to better soil protection - Vicki Hird, Sustain
15:50	Symposium Close



Symposium Chairs



Jonathan Atkinson
Environmental Scientist,
IES / Environment
Agency

After a degree in Environmental Sciences and postgraduate diploma in Soil and Water Engineering, Jonathan undertook Voluntary Service Overseas in the Philippines and soil research projects in Papua New Guinea and Burkina Faso. His first full time permanent job was with the Kent CC geotechnical group in 1987, moving to the Pollution Control section in the KCC Waste Disposal Department after two years.

He joined the Environment Agency when it was formed in 1996. Jonathan has worked on risk assessment of developed closed landfill sites, landfill engineering and environmental enforcement on permitted sites, and a variety of contaminated land projects. Jonathan has been involved with various key organisations like the Land Forum, CIRIA and CL:AIRE and assisted with delivering training and developments. He currently sits on the project board for a Defra contaminated sediments project. Jonathan was elected to the IES Council in 2016 and re-elected for a second term in 2019.



Simon Clenell-Jones
Divisional Director,
Geo-environmental,
Delta-Simons

Simon leads the Geo-Environmental division of Delta-Simons and sits on the Senior Leadership Team for the business. He is a contaminated land and environmental due diligence professional and project manager/director with over 20 years specialising in human health risk assessment and project management. His experience covers initial assessment through to remediation design and implementation including a strong understanding of both technical and commercial aspects.

He has an established track record working on complex and challenging sites with multiple stakeholder requirements. Experienced in the residential, commercial, industrial and legal sectors including both UK and international working. Sites include small to large (>300Ha) and complex including chemical/pharma, gasworks, oil and gas sites, munitions works and general industrial sites.

Speakers



Martin Ballard
Group Head of
Environment (Risk &
Compliance), Willmott
Dixon Holdings

Working with the Group's SHE team to assure business Risk and Obligations compliance, Martin is responsible for the development of our people's competence for environmental compliance, within the Risk Management System to meet ISO SHE standards, as well as for business risk, technology resilience, collaboration and road traffic safety.

In addition to his Group role, Martin has led SocEnv's Soils and Stones group since Sep-19, overseeing the publication of Soils and Stones Report in Apr-21 drawn up to highlight common issues between sectors, the need for harmonised legislative for soil quality and health, with need for collaboration and shared good practice for soil/stone materials use across sectors, including the built environment.

Martin was appointed to chair SocEnv's Programme Board in Jul-21 to deliver on the Report's recommendations. Martin is Governor and Chair of Audit for the Inspire Education Group, with Trustee directorships for CL:AIRE and the Welland Rivers Trust.



Joanne Kwan
Project Manager,
CIRIA

Joanne Kwan is the Contaminated Land Lead at CIRIA managing the award winning contaminated land programme. She has managed over 60 good practice guidance, more than 150 contaminated land events and developed the first UK asbestos from soil APP and e-training course.

Technical knowledge and experience in land contamination risk assessment, site investigation, remediation and management of difficult contaminants e.g. ground gases, asbestos, UXO and contaminated sediments, environmental and planning law and legislation and, risk communication and management

Joanne is a Member of the Royal Society of Chemistry, a Chartered Chemist, a Chartered Scientist, a Chartered Environmentalist, a Chartered Water and Environmental Manager, a Fellow of the Institution of Environmental Sciences, the Institution of Engineering and Technology and the Chartered Institution of Water and Environmental Management. She was a Visiting Lecturer at Cardiff University and an external examiner at Cambridge University.



Nick Willenbrock
DoW CoP Manager,
CL:AIRE

Nicholas has experience from the environmental industry, both in consultancy, contracting and with CL:AIRE. He works with many different stakeholders, inc.: government; academic researchers; regulators; local government; consultants; contractors and site owners to deliver innovative initiatives.

Currently Nicholas leads the delivery of industry initiatives, produces industry guidance, organising workshops and develops and delivers training (online and classroom based). Most notably this includes the CL:AIRE Definition of Waste Development Industry Code of Practice (DoW CoP) which he has managed since its formation and launch in 2008 and has allowed the successful reuse of over 130,000,000m³ of excavated materials. His work includes the formation and oversight of CL:AIRE Auditing & Compliance team which carries out continuous review of DoW CoP projects.

He is responsible for the joint delivery of the ReCon Soil research project - Reconstructed Soils from Waste. The ReCon Soil project which is funded by the European Regional Development Fund via the Interreg France (Channel) England (FCE) Programme.





Seamus Lefroy-Brooks
Principal, LBHGEO

Seamus is multi-chartered as an Environmentalist, Geologist and Civil Engineer. Seamus is past chair of the AGS and of the National Brownfield Forum and was a founding committee member of SoBRA.

He assisted DEFRA with the Part 2A statutory revisions and was one of the 12 experts appointed to the National Expert Panel for Land Contamination.

He is current chair of the CL:AIRE Technology & Research Group, which oversees the DoWCoP. Seamus has been significantly involved in the recent initiatives in relation to asbestos in soils and was named by the HSE for assisting with their recent HSG258 guidance.

He has sat on various CIRIA and BSI steering groups and is an author of the present BS8485 for landfill gas. In 2019 he was honoured to have been invited by MHCLG to tender for overseeing the EA - led investigations into land contamination caused by the Grenfell fire.



David Kerr
Principal Env. Consultant.
Delta-Simons
Environmental
Consultants Chair,
Ireland Brownfield
Network

David is a Principal Environmental Consultant with Delta-Simons providing environmental, EHS, Environmental Planning, Ecology, Sustainability and Wellbeing services at a regional and national level in the UK and Ireland, as well as internationally through the Inogen® Environmental Alliance, a global network of over 4,330 environmental specialists.

David provides advice to a wide range of public and private sector clients on the management of land contamination and environmental risks associated with owning, managing and developing brownfield sites. David has gained experience as an independent Environmental Advisor and Environmental Scientist involved in the assessment, management and remediation of pollution incidents. David has professional experience in contaminated land surveys and assessment, human health risk assessment, environmental impact assessment, waste classification and invasive species.



Rachel Boulderstone
Head of Soil &
Contaminated Land,
Defra

Rachel Boulderstone has led the Soil and Contaminated Land team for the Department for Environment, Food and Rural Affairs since 2019. Her team is developing policy to improve and protect soil in England from further degradation and to deliver key ecosystem services and to help achieve wider environmental benefits. In her 20 years of service, Rachel's extensive experience as a policy advisor within Defra has covered a wide range of areas, including waste management, rural development, flood management, sustainable drainage systems, inland waterways and environmental targets. Rachel has worked on numerous primary legislation, including the Flood and Water Act 2010, the Agricultural Act 2020 and more recently, the Environment Bill.



Simon Cole
Practice Lead for
Remediation, AECOM
Chair, SoBRA

Simon has been a consultant in the contaminated land sector for over 20 years and is currently the Practice Lead for Remediation for AECOM in the UK & Ireland and the current Chair of SoBRA.

Simon has also been the chair of SoBRA's sub-group on asbestos since its inception in 2013 and Simon has represented SoBRA on the Joint Industry Working Group on asbestos, was a peer reviewer for the Ireland Brownfield Network guidance on asbestos in soil and was the lead author of the NICOLE publication on a pan European Perspective on Asbestos in Soil published earlier this year.



James Wragg
Senior Principal,
Geosyntec Consultants
Ltd

Mr. Wragg has over 30 years' experience in the detailed investigation, assessment and remediation of contaminated soil and groundwater, mainly working for industrial clients. Jim's hands-on experience of corrective action programme design and implementation for many complex sites, including regulatory negotiation makes him a leading consultant in this field in the UK.

He has worked with numerous clients in the chemicals, pharmaceuticals, power (gas, coal and nuclear), manufacturing, oil and gas sectors. Many of the sites Jim has worked on have involved the assessment of risks associated with volatile organic compounds and mercury including the human health risks associated with vapour intrusion of occupied buildings. These have included residential housing, industrial production spaces, offices and laboratories at petroleum distribution sites, chemical, pharmaceutical and a wide spectrum of other manufacturing facilities.



Vicki Hird
Associate, EPG

Vicki Hird MSc FRES is an award winning expert, author, strategist and senior manager who has been working on environment, food and farming issues for over 30 years. As part-time Head of Sustainable Farming at Sustain, Vicki manages the farm team, policy, research and related campaigning and provides comment and guidance on these issues. Vicki's new book: 'Rebugging the Planet', published on 16 September 2021, is a homage to insects and other invertebrates, why they are so essential to our ecosystem and what we can do to help them.

Prior to this role, she was director of Campaigns and Policy at War on Want, Senior Campaigner heading up the Land use, Food and Water Programme for Friends of the Earth, and was Policy Director of Sustain, 1999 – 2004 which she co-founded in 2000. Vicki also runs an independent consultancy on campaign strategy and research (including for RSPB, WSPA, The Sustainable Development Commission, Greenpeace).



Our sponsors



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Geosyntec work with private and public-sector clients, typically to address their more complex problems and issues involving land, water and the environment at operational facilities, new ventures or legacy liability sites.

Geosyntec has consultancy teams comprising a full complement of scientific and engineering disciplines, plus other technical and project staff, based in offices in UK, Ireland, Sweden, North America, and Australia. Our global reach is also supported by long-established partnering relationships with specialist and like-minded consultancy practices in other countries, principally via our CAT Alliance with locations throughout Europe.

www.geosyntec.co.uk



Omnia provides technical expertise and innovative solutions to complex environmental issues. We provide a range of services including Geo-Environmental, Geotechnical, Acoustics, Air Quality and Ecology to the development, construction, infrastructure and transport sectors.

Omnia was established in 2013 by the current directors of the business with the aim of providing a more personal and responsible consultancy. We have offices throughout the UK and operate nationally, offering a professional, responsible, and quality driven multi-disciplinary service. Our professional teams are made up of qualified environmental scientists, engineers, geologists, hydrologists and acousticians. With extensive experience in the industry and the ability to draw on a vast range of knowledge, our teams offer exceptional expertise across a broad range of client sectors.

www.omnia-consulting.co.uk

A background image showing the back of a woman's head with long dark hair, and the profile of a man in a grey jacket looking towards her. They appear to be in a meeting or office setting.

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Get access to guidance, networking, and more...

www.the-ies.org/joining



Get recognised with the IES



Professional registration demonstrates excellence and expertise within your specialism. Becoming a Chartered Scientist, Chartered Environmentalist, Registered Environmental Practitioner or Registered Environmental Technician elevates your professional standing and career prospects.

CEnv

As a Chartered Environmentalist, you demonstrate sound knowledge, proven experience and a profound commitment to sustainable best practice within your profession and field of expertise.

Become a CEnv to:

- Gain recognition and increase your professional standing

- Enhance employability which, in many organisations, results in promotion and higher pay

- Receive legal credibility, enabling expert witness participation at a defined standard

Our CEnv in a Day workshops provide you with the opportunity to complete the bulk of your chartership in one comprehensive day.

Looking for something more flexible? Sign-up to our self-guided route to become chartered at your own pace.

CSci

Chartered Scientists demonstrate effective leadership, using their specialist knowledge and broader scientific understanding to develop and improve the application of science and technology by scoping, planning and managing multifaceted projects.

Become a CSci to:

- Receive wider recognition outside of your own specific discipline

- Demonstrate to employers and other professionals your commitment to a high level of competence and continuing professional development

- Increase your career prospects and professional status

Our CSci Accelerated workshops are the fastest and most rewarding way for you to become a Chartered Scientist. Don't miss your last chance to book a workshop on November 1st, 2021!

Looking for something more flexible? Submit your self-guided application any time to complete the process at your own pace.

CEnv in a Day workshop **£499** CEnv self-guided route **£325** CSci Accelerated **£399** CSci self-guided route **£128**

REnvP

Registered Environmental Practitioners are committed to acting in accordance with the best principles for the mitigation of environmental harm and enhancement of environmental quality, use their skills and experience to serve the needs of the environment and society, and strive to uphold the integrity and competence of the profession as a whole.

Become an REnvP to:

- Receive recognition of your technical expertise and experience

- Enhance employability and career prospects

- Progress towards Chartered Status such as CEnv and CSci if desired

Ready to apply? Submit an application any time to complete the report route or interview route.

REnvTech

As a Registered Environmental Technician, you can demonstrate that you are distinctly skilled and committed to maintaining high standards of professionalism through continual learning.

Become an REnvTech to:

- Receive recognition of your technical expertise and experience

- Enhance employability and career prospects

- Progress towards Chartered Status such as CEnv and CSci if desired

Ready to apply? Submit your application and competency report any time to start the process.

Applicants for REnvP must be an IES Associate or higher.
REnvP application **£68**

Applicants for REnvTech must be an Affiliate or higher.
REnvTech application **£44**

Notes

