

WEDNESDAY 29<sup>TH</sup> MARCH 09:30 – 13:30



## WELCOME

Welcome to the SiLC Annual Forum 2023. This is our third virtual conference and I hope you enjoy

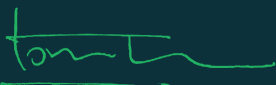
the programme of speakers and panel discussion that we have incorporated into this year's event.

This year's Forum covers two main themes: 'Climate and Sustainability' and 'Looking into the Future', and therefore focuses on some of the most pressing and topical issues within our sector today. We have an exceptional line-up of speakers, including those involved in pioneering and award-winning work, and offering a range of perspectives.

There will also be a panel discussion on 'What do land condition professionals consider they need to understand to tackle climate change and sustainability challenges?', with panel members drawn from the regulatory, finance, contracting and consulting sectors, and including early careers perspectives.

This is an interactive, CPD event and I'd like to encourage all delegates to participate in the event via our live polls, the chat facility and during the Q&A and panel sessions. Please do use these opportunities to voice your opinions and to encourage industry change. I'd like to take this opportunity to thank all of the SiLC PTP, Board and Assessors, the team at Forum Court and our Speakers for their valuable contributions and of course to our sponsors who have made this event possible.

I hope you enjoy this year's Annual Forum. If you do have any feedback which you wish to make, please do contact us via our email address [silc@silc.org.uk](mailto:silc@silc.org.uk).



Dr. Tom Henman  
Director at RSK and Chair of SiLC PTP

### TIME

### SPEAKER

09.30

Opening Address

Dr. Tom Henman, Director at RSK and Chair of SiLC PTP

## SESSION 1 CLIMATE AND SUSTAINABILITY

09.45

Voices of Early Career Professionals: 'What does sustainability mean to me?'

Presented by Carrie Rose, Associated Technical Director at Atkins

09.55

Delivering Effective and Sustainable Materials Management on National Infrastructure Projects

Carrie Rose, Associated Technical Director at Atkins and Ian Evans, Senior Technical Director at Arcadis Consulting

10.10

The Development and Application of Carbon Calculator Tools to Sustainable Development

Sarah Cook, Associate Director at Leap Environmental

10.25

Understanding the Relationship Between Soil Biodiversity and Soil Health

Dr. Felicity Crotty, Senior Lecturer in Soil Science and Ecology at the Royal Agricultural University

10.40

Q&A

10.55

Panel Discussion: What do Land Condition Professionals Consider they need to Understand to Tackle Climate Change and Sustainability Challenges?

- Claire Dickinson, Director at Geo-environmental Matters (Panel Chair)
- Amy Juden, Associate at The Environmental Protection Group
- Martin Ballard, Group Head of Environment at Wates
- Robert Tyler, Environmental Quality Officer at the Royal Borough of Kensington and Chelsea
- Nina Pimblett, Sector Guidance Lead at Transition Plan Taskforce
- Mark Hill, Climate & Sustainability – Lead at The Pensions Regulator

11.45

Comfort Break

## SESSION 2 LOOKING INTO THE FUTURE

12.00

Welcome back from Tom

Dr. Tom Henman, Director, RSK and Chair of SiLC PTP

12.02

Poetry Readings

The Scottish Centre for Geopoetics

12.07

Post-Brexit Regulation of Excavated Materials: Waste Not Want Not; Waste, Want or Not; Want, Not Waste; Not Want, Waste

Paul Nathanail, Director at LQM

12.27

Evolving Environmental Risks and the Insurance Market

Robert Wade, Environmental Underwriting Manager at The Hartford and Thomas Hughes, Senior Market Services Executive at International Underwriting Association

12.42

PFAS: What the UK can Learn from Jersey and Guernsey Approach to PFAS

James Lemon, Associate Technical Director at Arcadis

12.57

Q&A

13.12

Closing Address

Dr. Tom Henman, Director at RSK and Chair of SiLC PTP



**DR. TOM HENMAN**  
Director at RSK and  
Chair of SiLC PTP

Tom is a Director of RSK Geosciences and has over 25 years' experience in the assessment and management of land affected by contamination. His diverse and innovative project work has been recognised in several UK Brownfield Awards, including detailed site characterisation to support remediation and proposed development, major brownfield infrastructure, and advice to Government on stakeholder engagement and risk communication.



**CARRIE ROSE**  
Associated Technical  
Director at Atkins  
Carrie is a chartered  
Associate Technical  
Director & SiLC who  
has over twenty

years' experience in Contaminated Land assessment and management of ground risk. She has wide ranging experience in the planning, permitting, regulatory engagement, design and delivery of a wide range of land condition related projects.



**IAN EVANS**  
Senior Technical  
Director at Arcadis  
Consulting  
Ian is a SiLC/SQP  
with over 33 years'

contaminated land/geoenvironmental experience. He specialises in delivering large scale and complex brownfield regeneration solutions for clients throughout the UK and leading multidisciplinary technical teams driving regeneration of complex sites and schemes. Ian is Deputy Chair of the SiLC Board and is recognised as a highly accredited brownfield land and land contamination specialist.

**PRESENTATION**  
**Delivering Effective and Sustainable Materials Management**

**on National Infrastructure Projects**  
*Presented by Carrie Rose, Associated Technical Director at Atkins and Ian Evans, Senior Technical Director at Arcadis Consulting*

Carrie and Ian will provide an overview of approaches to the robust and effective appraisal & remediation of land contamination on National Infrastructure projects within the UK. They will focus on the design and delivery of sustainable and verifiable materials management aligned to a project's environmental standards, commercial aspects and program requirements. This will be delivered through a series of case studies.



**SARAH COOK**  
Associate Director at  
Leap Environmental  
Sarah Cook is  
an Associate  
Director at Leap  
with 18 years'

experience, currently managing a multi-disciplinary team carrying out projects on a range of sites. Sarah is a chartered geologist with a master's in environmental law focusing on the sustainable remediation of brownfield sites. As Leap's technical lead for sustainability she has helped develop a series of carbon calculator tools for foundations, remediation and earthworks.

**PRESENTATION**  
**The Development and Application of Carbon Calculator Tools to Sustainable Development**  
In order to support a more sustainable approach to the remediation of contaminated land a wealth of carbon calculators are in development or being used across the industry including Leap's own CREdIT tool. This presentation will review the development of the various carbon tools and their different applications, assessing if self-regulation within the industry is required to ensure successful use of comparative tools and their results.



**DR. FELICITY CROTTY**  
Senior Lecturer in  
Soil Science and  
Ecology at the  
Royal Agricultural  
University

Dr. Felicity Crotty has been researching soil biology and soil health for the last 15 years. She is a soil ecologist working with the aim of promoting soil health and sustainable agriculture in a changing climate. Through combining her expertise in all areas of soil science she is trying to disentangle the real impact different management strategies have on soil health and sustainability.

**PRESENTATION**  
**Understanding the Relationship Between Soil Biodiversity and Soil Health**

Soil quality and soil health have been used frequently and interchangeably within the scientific literature, in relation to agriculture, however the definition is often ambiguous and different depending on the stakeholder. The concept of soil health is less frequently considered in degraded landscapes or during remediation and often doesn't consider the importance of soil biodiversity. The diversity of life within a healthy soil will be discussed and related to the wider ecosystem functions that soil biodiversity provides.



**PAUL NATHANAIL**  
Director at LQM  
Paul Chairs the  
SiLC board of  
directors and  
is a director of  
Land Quality

Management. He runs the CABERNET brownfield network, chairs his local neighbourhood forum and is strictly trying to learn some ballroom and latin dances. He combines practical advisory and consultancy experience with innovation to help clients solve land contamination problems.

## PRESENTATION:

### Post-Brexit Regulation of Excavated Materials: Waste Not Want Not; Waste, Want or Not; Want, Not Waste; Not Want, Waste

Dictionary and legal definitions of waste differ. Using something in a careless or unnecessary way, causing it to be lost or destroyed is a waste. Waste is material that has been used and is no longer wanted. Legally 'waste' is something its holder discards or intends or is required to discard. Perhaps the Retained EU Law Bill going through Parliament can realign our legal and moral definitions of waste. After all, perhaps waste is more of a useful resource in the wrong place.



**ROBERT WADE**  
Environmental Underwriting Manager at The Hartford

Rob joined The Hartford to lead

the International Environmental team in September 2019. He has over 14 years' experience writing environmental insurance and 7 years' experience as an environmental consultant where he focused on environmental due diligence. He has worked both in the UK (AIG & Chubb) and Canadian markets and most recently worked for Chubb in Canada managing their environmental portfolio.



**THOMAS HUGHES**  
Senior Market Services Executive at International Underwriting Association (IUA)

Tom joined the IUA in 2014 and was appointed a Senior Market Services Executive in September 2020. He now supports and represents IUA members across a range of underwriting and claims matters, in particular on aviation, casualty and EIL. Tom also leads on a number of insurance wording issues, liaising with IUA members to develop IUA model clauses and policy wordings.

## PRESENTATION

### Evolving Environmental Risks and the Insurance Market

*Presented by Robert Wade, Environmental Underwriting Manager at The Hartford and Thomas Hughes, Senior Market Services Executive at International Underwriting Association*

This session will consider the role that Environmental Impairment Liability plays in supporting land owners in managing their environmental risk. It will address key themes being considered by insurers providing environmental coverage for a range of evolving risks. The speakers will also provide an overview of the risk analysis and management process and the fundamental need for a relationship to be established between insurers and SiLCs.



**JAMES LEMON**  
Associate Technical Director at Arcadis

James has over 20 years' experience in the contaminated land/

geoenvironmental sector as both a regulator and consultant. He re-joined Arcadis in July 2014 with a particular focus on Arcadis' capabilities in the investigation and remediation of PFAS, where he is the main client contact for our extensive PFAS Projects on the Channel Islands as well as major international airports and the Defence sector in the UK.

## PRESENTATION:

### PFAS: What the UK can Learn from Jersey and Guernsey Approach to PFAS

The Channel Islands have been at the forefront of investigating PFAS since it was first discovered in Jersey's groundwaters back in the 1990s. Since then, there have been considerable monitoring programmes, site investigations and remediation on both Jersey and Guernsey. The contamination has led to legal settlements, high court trials, extensive political and public pressures, and media attention. With

30 years of dealing with 'forever chemicals' what can the UK learn from Jersey and Guernsey?

## PANEL DISCUSSION



**CLAIRE DICKINSON**  
Director, Geo-environmental Matters (Panel Chair)

Bringing over 30 years of experience

in UK land development, Claire is a contaminated land specialist (Registered SiLC) with a background in geotechnical engineering, specialising in ground risk management advice. She combines running her consultancy (Geo-Environmental Matters Ltd) with part-time lecturing at the University of Portsmouth.



**AMY JUDEN**  
Associate at The Environmental Protection Group  
Chartered Geologist and ground gas specialist, with

over ten years' experience as an environmental consultant. Amy is enthusiastic about providing the most efficient and sustainable solutions on sites with complex ground conditions. She has recently authored NHBC ground gas guidance and is a judge for the Brownfield Awards.



**MARTIN BALLARD**  
Group Head of Environment at Wates

Working with the Group's SHEQ team to assure

business Risk and Obligations compliance with the Environmental Sustainability Strategy, Martin is responsible for developing people's competence to plan and deliver Built Environment projects and contractual obligations to ISO SHE standards, as well as to mitigate business risk. He is chair of SocEnv's Programme Board and Governor for the Inspire Education Group.





**ROBERT TYLER**  
Environmental  
Quality Officer at  
the Royal Borough  
of Kensington and  
Chelsea

Robert has worked as a contaminated land officer for over 20 years. Career highlights include working on the 2012 Olympics and the Grenfell Environmental Checks process and serving the communities he's worked for. Robert is a committee member of the GeolSoc Land Contamination Group and National Contaminated Land Officer's Group.



**NINA PIMBLETT**  
Sector Guidance  
Lead at Transition  
Plan Taskforce  
Nina is the Sector  
Guidance Lead  
for the Transition

Plan Taskforce, overseeing the development of sector-specific guidance to accompany the sector-neutral Disclosure Framework. Nina is a qualified accountant and previously worked at KPMG across the Climate Risk and Strategy, ESG Assurance and Audit teams.



**MARK HILL**  
Climate &  
Sustainability  
– Lead at The  
Pensions Regulator  
Mark is the Climate  
and Sustainability

Lead within The Pensions Regulator (TPR), responsible for developing the regulatory response to climate change and sustainability disclosure requirements and delivering TPR's Climate Change Strategy. He brings some 30 years of experience working predominantly in the public sector.

## SPONSORS



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VertaseFLI is a leading brownfield and contaminated land remediation, enabling and environmental contractor. We work for development, house building, manufacturing and petrochem sectors delivering complete remediation solutions & development ready platforms with our clients. Technical excellence and innovation has always been at the core of our offering to clients, and we are proud to have three registered SILCs / SQP within the business.

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### STATOM GROUP

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[www.statom.co.uk](http://www.statom.co.uk)



### ELEMENT

Element Environmental operates a network of accredited testing facilities to help customers across all industries meet their environmental obligations through a comprehensive range of laboratory and field-based testing services. Element specialise in testing drinking water, groundwater, surface and wastewater, soil testing, sediments, solid waste, drilling waste, stack emissions testing, ambient air quality sampling.

[www.element.com/environmental-testing](http://www.element.com/environmental-testing)



### ARCADIS

Arcadis is the world's leading consultancy delivering sustainable design, engineering and commercial solutions for natural and built assets. Our award winning "Site Evaluation and Restoration" team create positive outcomes for across the geo-environmental field. From high resolution site investigation to innovative remediation solutions and holistic regeneration management, we are dedicated to improving quality of life.

[www.arcadis.com](http://www.arcadis.com)



### EVONIK

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<https://active-oxygens.evonik.com/en/products-and-services/soil-and-groundwater-remediation>



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[www.UnyteWaste.com](http://www.UnyteWaste.com)