



The Future of Soil

26 March 2009, London

Local and EU policy

Soil sealing

Soil carbon sequestration

Disposal of organic wastes to land

Impacts of climate change



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What does the future for soil look like? How can we protect soil for future generations? And what are the impacts of the use and re-use of soil as a key resource on the wider environment?

This *Brownfield Briefing* conference will examine a wide variety of issues, using a unique approach to bring delegates from differing industries together to share ideas, case studies, debates, and best practice.

Interested in a niche topic only? The afternoon will feature streams for brownfield professionals as well as climate change, bio-energy, and carbon consultants. Design your own event to gain the latest need-to-know information for your business.

Who should attend

- Consultants
- Regulators/LAs
- Climate change consultants
- Lawyers
- Landowners/developers
- Contractors
- Carbon consultants
- Bio-energy consultants
- Environmental scientists
- Problem holders

Key benefits to attend and issues to explore

- Get clear explanations and updates on all the key issues and opportunities, all in one place, all in one day
- Hear from a wide range of stakeholders including carbon and bio-energy experts, regulators and consultants. Ask the questions that matter to you and get answers
- Pick the sessions most relevant to you and ensure you get the most out of the day
- Get the latest updates on local and EU policy, straight from Defra
- Find out what the implications of new policy will have on you and your industry
- Review the best practices of leading companies by attending innovative case study sessions
- Expand your toolkit with new ideas, techniques and cutting edge presentations
- Given the opportunity, do you think you could do a better job of resolving key environmental issues? Come to our interactive session and put your ideas to the test
- Discover the latest updates and implications of the EU Thematic Strategy for Soil Protection and the Soil Framework Directive
- Explore how soil sealing will affect the building industry and brownfield consultants
- Consider soil carbon sequestration and disposal of organic wastes to land
- Discover the impacts of climate change on soil organic matter and affects on brownfield and agricultural land
- Network, explore, and get solutions

9.30 – 9.40 Chair's opening remarks

Andrew Hursthouse

Professor of Environmental Geochemistry
University of the West of Scotland

9.40 – 10.45 Soil protection: EU Thematic Strategy for Soil Protection and the Soil Framework Directive

- Current climate – update on the Soil Framework Directive
- Domestic policy: Soil Strategy (2008) and Soil Action Plan (2004–2006)
- Key problems
- Moving forward with soil protection?

Maya de Souza

Head of Soils Policy Team
Defra

10.45 – 11.10 Making best use of soils on construction sites

- One of the six goals of the EA Soil Strategy is protecting soil in the built environment, including better management and use of soils in construction activities. Re-using soils reduces the amount disposed of as waste and properly managing soils helps to regulate water flow and reduce flood risk
- Priority work area 4 of the Defra Soil Strategy (Ensuring Soil Protection in Construction and Development) aims to ensure that the construction industry and planning authorities pay sufficient regard to the need to protect soil resources, so that soils are able to fulfil their functions of storing, transporting and filtering water, thus allowing aquifer recharge and reducing flood risks
- The new Code of Practice for the Sustainable Use of Soils on Construction Sites is one way of helping to deliver these objectives

Malcolm Reeve

Past President, Institute of Professional Soil Scientists

Land Research Associates

11.10 – 11.25 Q&A panel

11.25 – 11.50 Coffee and tea break

11.50 – 12.15 Soil sealing

- How will this affect the building industry and brownfield consultants?
- What are the implications to brownfield remediation if contractors are no longer able to seal soil?

George Evans, Director

Soilfix Limited

12.15 – 12.40 Soil carbon sequestration

- Land management options for sequestering carbon
- Would min – or no-till help?
- Disposal of organic wastes to land

Keith Goulding

President

British Society of Soil Science

12.40 – 12.55 Q&A panel

12.55 – 13.45 Lunch break

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13.45 – 15.45 Breakout sessions streamed on interest

(Delegates are free to pick and choose the sessions most interesting to them)

Stream 1: brownfield professionals	Stream 2: climate change, bio-energy and carbon
<p>13.45 – 14.15 The use and re-use of soils arising from remediation and development</p> <ul style="list-style-type: none">■ This session will cover the Definition of Waste: development of an industry Code of Practice■ How it can ease the regulatory burden on a site■ Its applicability and use■ The role of a Qualified Person <p>Ged Duckworth Independent Consultant</p>	<p>13.45 – 14.15 Climate change and soil organic matter</p> <ul style="list-style-type: none">■ What are the impacts of climate change on soil organic matter and how will this affect brownfield and agricultural land in the future?■ Soil organic carbon is vulnerable to land use change. Recent research suggests that UK soils may be losing carbon at a rate of 0.6% per year, although we lack good evidence for this. But management can be used to remove atmospheric carbon and could achieve a carbon sequestration equivalent to 31% of the UK's Kyoto commitment to reduce GHG emissions by 12.5%■ Affects of soil disturbance, temperature changes, aeration and the absence or presence of vegetation <p>Dr Bob Rees, Senior Soil Scientist Scottish Agricultural College</p>
<p>14.15 – 14.45 Challenges facing Soil Treatment Centres</p> <ul style="list-style-type: none">■ Planning and permitting■ Regulatory enforcement■ Environmental benefits■ The future <p>Jon Owens, Biogenie Marcus Forweather, DEC UK</p>	<p>14.15 – 14.45 Bio-energy crops</p> <p>A realistic assessment of what bio-energy crops could deliver</p> <p>Robert Matthews Programme Leader Centre for Forest Resources and Management Forest Research</p>
<p>14.45 – 15.45 What would you do?</p> <p>This practical workshop session will present several scenarios to the delegates, who will be asked to come up with solutions to those key brownfield issues</p> <p>Andrew Hursthouse Professor of Environmental Geochemistry University of the West of Scotland</p>	<p>14.45 – 15.45 Carbon and small temperature changes</p> <ul style="list-style-type: none">■ Relationships between climate change and soil carbon stores■ Effects of minor temperature change on carbon storage■ Moving forward what can be done? <p>Professor Phil Ineson, Department of Biology York University</p>

15.45 – 16.05 Coffee and tea break

16.05 – 16.40 Congress style debate: food vs fuel

- Which land for food and which for bio-energy crops?
- Energy budgets for bio-energy crops
- More sustainable alternatives for the UK, such as fast growing biomass crops like willows and Miscanthus
- LCA prices for bio-energy crops

Dr Angela Karp, Scientific Director, Centre for Bioenergy and Climate Change, Rothamsted Research

Dr Frank Rosillo-Calle, Research Fellow, Centre for Energy Policy and Technology, Imperial College London

16.40 – 17.00 Waste reduction and quality compost

- How to create a high quality growing medium from onsite resource and quality compost - and reduce waste in the process
- How to source, specify and use quality compost

Paul Mathers

Programme Manager, Landscape and Regeneration
WRAP

17.00 – 17.15 Q&A panel, and chair's close

17.15 Networking reception



Yes, I want to attend The Future of Soil on 26 March 2009

Brownfield Briefing, Property Forecast, and Sustainable Building subscribers	<input type="checkbox"/> £375+VAT (£431.25)
Regular price (non-subscribers)	<input type="checkbox"/> £450+VAT (£517.50)
LA, public sector, university, not-for-profit and charity rate	<input type="checkbox"/> £215+VAT (£247.25)
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Special <i>Brownfield Briefing</i> subscription and conference offer: SAVING 30% off the £395 subscription cost and paying the subscriber rate for one delegate (includes monthly newsletters, weekly e-bulletins, web access and discounted conference places)	<input type="checkbox"/> £651.50 + VAT (£707.75)

- I am more interested in **Stream 1**, for brownfield professionals
- I am more interested in **Stream 2**, on climate change, bio-energy and carbon
- I would like to take out a no-obligation trial to **Brownfield Briefing**

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Location and Travel

This event will take place in Central London. Full and detailed joining instructions will be sent to all delegates.

CPD

Conferences are accredited for CPD by the Solicitors Regulation Authority and are designed to meet the CPD requirements of RICS, RTPI, SiLC and other professional bodies.

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Subscriber-rate prices are available to the named subscriber and colleagues from their office. Colleagues in other offices are not eligible for subscriber-rate prices unless the company has a site license.

All fees are payable in advance of the conference. Delegates who have not paid prior to the conference date will be required to provide credit card details or supply a company cheque at registration on the morning of the conference, or they may be refused admission.

Delegates unable to attend will receive a copy of the conference documentation.

Newzeeye reserves the right to alter the programme.

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Newzeeye Ltd
The Chapel, Wellington Road
London NW10 5LJ