



UK Biochar 2011

3rd Annual UK Conference

Edinburgh, May 25-26th, 2011



The King's Buildings, University of Edinburgh, EH9 3JN

Tuesday 24th May

Crew Building (marquee)

16:00 Opening of pilot-scale facility for production of specified biochar

17:00 Reception

Wednesday 25th May

Michael Swann Building (Swann Lecture Theatre and Foyer)

08:30 Registration and coffee

09:15 Welcome from Stuart Haszeldine (University of Edinburgh)

09:30 Keynote Address

Johannes Lehmann (Cornell University)

Q&A session chaired by *Stuart Haszeldine*

Additional panel members: *Colin Pritchard (University of Edinburgh), Richard Nugent (Rothamsted Research Cordner Peacocke (CARE Ltd), Claudia Maia (Embrapa, Brazil)*

11.00 Refreshments

11.30 Towards Deployment & Commercialisation

Introduction and Chair

Richard Nugent (Rothamsted Research)

11:40 Technology aspects and commercial production

Cordner Peacocke (CARE Ltd.)

12:10 Biochar Markets: Closing the Technology Gap

Ian McChesney (Carbon Gold)

12:40 Developing added-value biochar products for early-entry markets

John Gaunt (Full Circle Biochar)

13:10 Posters Review

Saran Sohi (University of Edinburgh)

13:30 LUNCH and POSTERS

14:30 "Ice-Breaker Event"

15:00 Biochar Systems

Introduction and Chair

Simon Shackley (University of Edinburgh)

15:10 LCA of biochar systems in developing countries: GHG and economic analysis

Kelli Roberts (Cornell University)

15:40 Pyrolysis and biochar systems in India
Anuradda Ganesh (Indian Institute of Technology, IIT, Mumbai)

16:10 Leveraging biochar for the mitigation of methane emissions
Quinton Richards (Lichen Renewal)

16:40 Refreshments

followed by opportunities to visit the UKBRC facility / labs

19:00 CONFERENCE DINNER

Pentland Room, John McIntyre Conference Centre
(University of Edinburgh at Pollock Halls, EH16 5AY)

Including a speech by David Hopkins (Heriot Watt University)

Thursday 26th May

Michael Swann Building (Swann Lecture Theatre and Foyer)

08:45 Coffee

09:15 Biochar Function in Soil

Introduction and Chair

David Manning (Newcastle University)

09:30 Biochar research at Bangor: plant response, pesticide fate and trace gas emissions
Thomas DeLuca (Bangor University)

10:00 Biochar and the nitrogen cycle

Victoria Nelissen (Institute for Agricultural and Fisheries Research, ILVO, Belgium)

10:30 Priming effects following incorporation of biochar to soils and mechanisms involved
Yu Luo (Chinese Agricultural University, Beijing, and Rothamsted Research)

11:00 Interpreting the regulations relevant to biochar
Jim Hammond (University of Edinburgh)

11:30 Refreshments

12:00 Biochar Production and Characterisation

Introduction and Chair

Ondřej Mašek (University of Edinburgh)

12:05 Biochar is not just biochar: effects of pyrolysis technology and process parameters
Henrik Hauggaard-Nielsen (Technical University of Denmark, Roskilde)

12:35 Characteristics of rice straw biochar influenced by pyrolysis temperature and time
Weixiang Wu (Zhejiang University)

13:05 Combining physico-chemical and biological test procedures

Sonja Schimmelpfennig (Justus-Liebig University, Giessen, Germany)

13:35 LUNCH and POSTERS

14:30 Linking Characterisation & Function

Introduction and Chair

Saran Sohi (University of Edinburgh)

14:35 Assessing the hydrologic behavior of biochars

Caroline Masiello (Rice University, USA)

15:05 Can greenhouse gas fluxes be stimulated by biochar- and hydrochar amendment?

Claudia Kammann (Justus-Liebig University, Giessen)

15.35 Effect of biochar and stover amendments on soil physical environment and plants

Emmanuel Dugan (University of Reading)

16:05 The beginnings of a Biochar Integrated Assessment Model (BIAM)

Sohel Ahmed and Rodrigo Ibarrola (University of Edinburgh)

16:35 Concluding Comments

Johannes Lehmann (Cornell University)

Opportunities to visit the UKBRC facility / labs facilities tours

CLOSE

UK Biochar Research Centre

University of Edinburgh | Crew Building | The King's Buildings | Edinburgh EH9 3JN
+44 (0)131 650 7862 | Fax +44 (0)131 662 0478 | ukbrc@ed.ac.uk | www.biochar.org.uk



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