



CAPER 2009

Chancellors Court Manchester 34th Annual Meeting

Monday 6th - Wednesday 8th April 2009

Programme & Abstracts

Secretariat sponsored by DEFRA

Afternoon Programme

Monday 6 April

Registration at Chancellors Court www.meeting.co.uk/chancellors/interact

(use this website for transport and location details)

12.00 Depart for Ruabon - minibuses

19.30 - Dinner

Followed by

Poster Pub with very short introductions to each poster Displays by ADC and Skye Committee meeting following on from poster pub

Tuesday 7 April

7.30am Breakfast

Talks in

Session Chair: Neil Cape - Ozone in the environment

09.00	Felicity Hayes (CEH Bangor)	A flux-effect relationship for above- and below- ground impacts of ozone on two semi-natural grassland species
09.20	Patrick Buker (SEI)	Development and provisional European application of a multi-layer grassland ozone flux model
09.40	Sylvia Toet (York University)	Chemical ozone reaction on leaf surfaces identified using a novel stable isotope approach
10.00	Sally Power (Imperial College)	How does resource availability affect plant response to ozone ?
10.20	Tim Morrissey (SEI)	Modelling soil moisture to determine ozone flux to European forest trees
10.40	Jeremy Barnes (Newcastle University)	Ozone exposure versus dose response in Winter Wheat
11.00	COFFEE	

Session Chair: David Fowler

11.20 David Past, present and future tropospheric ozone Stevenson, (University of Edinburgh)

12.10	Jennifer Williamson (CEH Bangor)	Mechanisms of effects of elevated ozone exposure on carbon cycling processes in temperate wetlands.
12.30	Serena Wagg (CEH Bangor)	Combined effects of drought and increasing ozone on semi-natural upland vegetation
12.50	Chubamenla Jamir (SEI)	Assessing the impact of ground level ozone (o3) on crops in south Asia

13.10 LUNCH

Session Chair: Harry Harmen – Drivers of change

14.10	Simon Caporn (MMU)	Twenty years of nitrogen addition to an upland heath: what have we learned?
14.30	Elizabeth Jones (Imperial)	It isn't easy being green: invertebrates, plants and pollution in urban green spaces
14.50	Leon van den Berg (SEI York)	Changes in flora of calcareous grasslands in UK
15.10	Raúl Ochoa-Hueso, (Madrid University)	Nitrogen deposition effects on a Mediterranea ecosystem of Central Spain: preliminary results a long-term fertilization experiment
15.30	Stephanie McGovern (Bangor University)	Long-term Vegetation Change on Snowdon

15. 50 **TEA**

Session Chair: Mike Ashmore - Field issues

16.20	Keith Goulding (Rothamsted)	Pollution swapping: 'from nitrogen to almost everything'.
16.40	Simon Peacock (Newcastle University)	Impacts of ozone on upland vegetation
17.00	Kirsten Wyness (CEH Bangor)	Ozone and nitrogen controls on carbon allocation within two semi-natural plant species
17.20	Carly Stevens (Open University)	Is acidification or eutrophication responsible for declines in species richness?
17.40	Steve McGrath (Rothamsted)	Sulphur signals in vegetation and soils reflect changing anthropogenic sulphur pollution since 1850
18.30		DINNER

19.30	Terrestrial Umbrella survey
	meeting

Wednesday 19 March

7.30am Breakfast

(Move out & return keys)

Session Chair: David Fowler - Heavy Metals

08.45	Heath Malcolm (CEH Edinburgh)	Monitoring the atmospheric deposition of the heavy metals in rural areas of the UK
09.05	Harry Harmens (CEH Bangor)	Spatial and temporal trends in heavy metal accumulation in mosses in the UK and Europe
09.25	John Kentisbeer (CEH Edinburgh)	Continuous and integrated monitoring of rural atmospheric mercury levels in the UK.
09.45	Ed Tipping (CEH Lancaster)	Modelling the long term behaviour of heavy metals in upland catchments of the UK
10.05	Joanna Cloy (Edinburgh University)	Ombrotrophic Peat Bogs as Archives of Atmospheric Metal Deposition: Examples from Scotland
10.25	Steve McGrath (Rothamsted)	Metal effects in soils: differences in bioavailability between soils and

effects of time

COFFEE

Session Chair: Nigel Bell - Something different

11.20	Jim Thompson (IEEM)	Professional Issues in Ecology
11.50	Nancy Dise and Mike Ashmore (MMU and York University)	ROTAP: update on the vegetation effects chapter
12.20	David Fowler (CEH Edinburgh)	ROTAP: overview

12.45 Lunch & depart