

CAPER 2011

18-20 April

HERIOT WATT

Riccarton campus

Hugh Nisbet Building

(accessed through James Watt Centre)

Cedar / Oak Rooms (top, 2nd floor)

MONDAY 18 APRIL, 2011

Surveys and N impacts		Session Chair: David Fowler
13.30	Will Cook <i>Defra</i>	<i>Research and Policy</i>
13.50	Richard Payne <i>MMU</i>	Why there are (probably) no palaeoecologists at this meeting.
14.10	Leon van den Berg <i>York University</i>	The effects of total nitrogen load and the ratio of reduced to oxidized nitrogen on biogeochemical processes and species composition of wet grasslands.
14.30	Muhammad Adrees <i>Imperial College</i>	Heathland responses to reduced and oxidised nitrogen application with varying application frequency.
14.50	Roland Bobbink <i>B-WARE-Netherlands</i>	Trans National evidence of species loss driven by N deposition.
15.50	TEA	
16.20	Carly Stevens <i>Open University</i>	Using national data archives to detect nitrogen impacts on vegetation.
16.45	Sirkku Manninen <i>Helsinki</i>	Moss and soil N and C concentrations and ratios in relation to modelled NO_x and NO₂ concentrations in urban forests.
17.05	Mark Lee <i>Imperial College</i>	The effects of roads on the composition and functioning of calcareous grasslands.
17.25	Gareth Phoenix <i>Sheffield University</i>	Accumulated dose responses from UKREATE manipulation sites: emergent responses across ecosystems and impacts over time.
17.45	CLOSE OF SESSION	
17.45	Discussion of Terrestrial Umbrella overview papers For those who are involved in Gareth's and Simon's papers: WP3 and WP6	
18.30	DINNER	
19.30	Poster pub (5 minute presentations on the posters)	
21.00	Committee meeting	

TUESDAY 30 MARCH 2011

N effects and processes		Session Chair: Mike Ashmore
9.00	Christian Fritz <i>Netherlands</i>	Nitrogen effects on pristine bog vegetation in Patagonia: What's low and can phosphorous mitigate N-stress?
9.20	Leon Lamers <i>Netherlands</i>	Trans-Atlantic collaboration shows gaps in nitrogen knowledge; the triphasic response of <i>Sphagnum</i> peatlands to airborne nitrogen revisited.
9.40	Georgina Southon <i>Imperial College</i>	How do atmospheric n deposition inputs affect post-fire colonisation and development of heathland cryptogamic flora?
10.00	Simon Caporn <i>MMU</i>	Bio-Indicators of N deposition and eutrophication.
10.20	Asmida Ismail <i>Imperial College</i>	Effects of long term exposure of nitrogen and ammonia deposition to epiphytic terrestrial algae on ombrotrophic bog.
10.40	COFFEE	
11.10	Richard Bardgett <i>Lancaster University</i>	Relationships between above and below-ground processes.
12.10	Ron Smith <i>CEH Edinburgh</i>	Ecosystem services - the good, the bad & where do we go next?
12.30	Laurence Jones and Gina Mills <i>CEH Bangor</i>	Air Pollution, Ecosystem Services and Food Security: putting a value on cleaner air.
13.00	LUNCH	

N cycling and implications		Session Chair: Lucy Sheppard
14.15	Ute Skiba <i>CEH Edinburgh</i>	Denitrification in semi-natural soils.
14.35	Ambreen Bhatti <i>York University</i>	How does seasonality impact upon nitrogen cycling in grasslands?
14.55	Emma green <i>Imperial College</i>	How does N deposition affect heathland recovery following wildfire?

15.15	Sonal Choudhary <i>Sheffield University</i>	Impacts of acute atmospheric nitrogen deposition on plants and microbial communities in the high arctic tundra.
15.35	Andy Macleod <i>Edinburgh University</i>	Solving the mystery: do plants really emit methane?
16.05	TEA	
16.30	Leave for Whim bog	
~ 19.00	EVENING MEAL AT THE HOWGATE INN	

WEDNESDAY 20 APRIL, 2011

Ozone effects		Session Chair: Jeremy Barnes
9.00	Gina Mills <i>CEH Bangor</i>	Overview of O ₃ effects on ecosystem services: evidence from solar domes.
9.20	Sylvie de Toet <i>York University</i>	Long term effects of O ₃ on C fluxes in mire ecosystems.
9.40	Chubamenla Jamir <i>York University</i>	Estimating Ozone flux into crops grown in India.
10.00	Mhairi Coyle <i>CEH Edinburgh</i>	Overview of results from the Keenley O ₃ field release experiment.
10.20	Kirsty Wyness <i>CEH Bangor</i>	Short term exposure to O ₃ and N does not affect carbon allocation in <i>Dactylis glomerata</i> .
10.40	COFFEE	
11.10	Sally Power <i>Imperial College</i>	Effects of ozone on mesotrophic grassland communities under climate change.
11.30	Naomi Rintoul <i>York University</i>	Long-term effects of elevated ozone on a semi-natural grassland community: the role of a hemi-parasitic species as a driver of community responses.
11.50	Simon Peacock <i>Newcastle University</i>	Ozone effects on semi-natural vegetation.
12.10	Serena Wagg <i>CEH Bangor</i>	Ozone and drought stress on bean and grassland species.
12.30	Nigel Bell	Tribute to Jack Rutter
12.44	CLOSE & LUNCH	