

CAPER 2013

25-27 March

Sheffield

The Edge

MONDAY 25 March, 2013

OZONE: Session chair Neil Cape		
13.30	<i>Gina Mills</i>	Quantifying ozone impacts on three ecosystem services in the UK
14.00	<i>Felicity Hayes</i>	Does N deposition modify the responses of silver birch to ozone?
14.20	<i>Daniel Hewitt</i>	The effects of ozone on biomass, nodulation and nitrogenase activity of clover cultivars
14.40	<i>Sirkku Manninen</i>	Below-ground effects on meadows
15.00	<i>Joanna Witton</i>	Does rising tropospheric ozone alter the flowering behaviours of UK upland grassland species?
15.20	<i>Dan Stabler</i>	Impacts of ozone pollution on plant-pollinator interactions- potential influences on bumblebee foraging
15:45	REFRESHMENTS	
16.15	<i>Simon Peacock</i>	Long-term elevated background tropospheric ozone alters plant species dynamics in simulated upland mesotrophic grassland of high conservation value
16.35	<i>Kirsten Wyness</i>	Soil microbial community of mg3b mesocosms exposed to elevated ozone for 9 years
16.45	<i>Jeremy Barnes</i>	Analysis of the genetics underlying ozone and drought tolerance in wheat
17.05	<i>Mike Ashmore</i>	Air pollution effects research in a changing world
18.30	Conference dinner	The Edge
20.30	Committee meeting	

TUESDAY 26th March

Nitrogen		Session Chair: David Fowler
9.00	Richard Payne	Impact of nitrogen deposition on UK biodiversity
9.25	Raúl Ochoa-Hueso	Simulated N deposition effects on soil fauna from a semiarid Mediterranean ecosystem in central Spain
9.45	Johnathon Millett	Changes in leaf colour of the carnivorous plant <i>Drosera rotundifolia</i> due to nitrogen deposition: a novel indicator of above-ground interactions and N deposition?
10.05	Luca Braggazza	Too much of a good thing: environmental impacts of increasing atmospheric nitrogen deposition on peatlands
10.45	COFFEE	
11.15	Roland Bobbink	Results from BEGIN
11.40	Ambreen Bhatti	Does the capacity of soil under UK grasslands to supply mineral N - cease to be limited in august? a study based on 12 sites near York
12.00	Rocio Olonso	Atmospheric nitrogen deposition in a holm oak forest in central Spain
12.20	Keith Goulding	Developing sustainable farming systems by valuing ecosystem services
13.00	LUNCH	

14.00 depart for BUXTON
CLIMATE CHANGE experiment

Phil Grime

Return ~ 18.00 dinner tba

WEDNESDAY 27 March 2013

Application of research		Session Chair: Lucy Sheppard
9.00	Sue Owen	Effects of wet N deposition on <i>Sphagnum capillifolium</i> in peatland
9.20	Christine Braban	UK Eutrophying and Acidifying Atmospheric Pollutants Monitoring (UKEAP): Results and Future outlook
9.40	Carly Stevens	On site habitat management to reduce atmospheric nitrogen impacts on terrestrial habitats
10.00	Simon Smart	Challenges in detecting the ecosystem impacts of pollutants deposition
10.20	TEA/COFFEE	
10.50	David Fowler	The global N cycle in the 21 st century
11:20	Angus Rosenburgh	<i>Sphagnum</i> in the southern Pennines
11:40	Chris Field	Attributing ecosystem changes to N in the vicinity of point sources
12:00	DISCUSSION FORUM - issues concerning N and heavy metals: critical load exceedance	
13:00	LUNCH	
DEPART		