

**CAPER 2018: Meeting Programme**  
**Environment Lecture Theatre and Lobby (ENV001), Environment Building,**  
**University of York**

**Day 1: Tuesday 8<sup>th</sup> May**

1215. Lunch.

1310. *Session 1. Impacts on plants and soils*

*Chair: Simon Caporn*

1310. Introduction and welcome.

1315. Catherine Pschenyckj (University of Reading). Acidity controls on recent changes in carbon cycling in organic soils.

1335. Sina Kukowski (University of Hohenheim). Monitoring and modelling of nitrogen turnover under FFH-meadows within the critical loads concept: Impacts of atmospheric nitrogen input on lowland hay meadows using the example of Southwest-Germany.

1355. Muhammad Adrees (Imperial College London). Assessment of air pollution tolerance index of selected plants around brick kilns in Faisalabad-Pakistan.

1415. Oli Pescot (Centre for Ecology and Hydrology Wallingford). The National Plant Monitoring Scheme and Ndep impacts: Can correlative approaches deliver?

1435. Sam Bosanquet (Natural Resources Wales). How epiphytic lichens are changing NRW's approach to Intensive Agriculture proposals.

1455 Karina Corada (Imperial College London). An overview of air pollution in some Chilean cities and the contribution of green vegetation to minimise the problem.

1515 Coffee

1545. *Session 2. Ozone*

*Chair: Mike Ashmore*

1545. Chris Malley (Stockholm Environment Institute at York). Results from the Tropospheric Ozone Assessment Report on distributions and trends of ozone relevant for vegetation.

1605. Felicity Hayes (Centre for Ecology and Hydrology, Bangor). Impact of ozone on physiology and yield of African crops.

1625. Divya Pandey (Stockholm Environment Institute at York). Modelling ozone effects on photosynthesis and crop growth for wheat.

1645. Clare Brewster (Centre for Ecology and Hydrology, Bangor). Does ground-level ozone skew the nitrogen dynamics of an agro-ecosystem? What role might the plant species and its microbial community play?

1700. *Key note talk 1*

*Chair: Nancy Dise*

Charlotte Burns (University of Sheffield). Brexit, the Environment and Air Pollution Policy.

1800. *Buffet dinner and poster session.*

## **Day 2: Wednesday 9<sup>th</sup> May**

0845. *Tea and coffee.*

0915. *Key note talk 2*

*Chair: Nancy Dise*

Nigel Bell (Imperial College London). Acid rain: experiences of a House of Commons Select Committee Special Advisor.

*1000 Session 3. Pollution exposure*

*Chair: Stefan Reis*

1000. Ed Carnell (Centre for Ecology and Hydrology Edinburgh). New high-resolution NH<sub>3</sub> modelling of agricultural emission sources.

1020. David Cameron (Centre for Ecology and Hydrology Edinburgh). Uncertainties in CBED modelling.

1040. Steven Lees (Wardell Armstrong LLP). Undertaking assessments for designated habitat sites in support of planning and permitting applications.

1100. Steve Fraser (Airshed). Effects of variability and model uncertainty on air quality predictions affecting designated sites.

1115. Coffee.

1135. *Session 4. Vegetation interception and benefits*

*Chair: Stefan Reis*

1135. David Fowler (Centre for Ecology and Hydrology Edinburgh). Mitigating urban air quality problems using vegetation.

1155. Laurence Jones (Centre for Ecology and Hydrology Bangor). Assessment of ecosystem services provided by urban trees.

1215. Bill Bealey (Centre for Ecology and Hydrology, Edinburgh). Tree shelter belts for ammonia mitigation.

12.35. Lunch.

13.15. *Session 5. Policy issues*

*Chair: Clare Whitfield*

1315. Ailsa Stroud (Defra). Air pollution and the natural environment – a policy perspective.

1335. Jenny Hawley (Plantlife). Communicating nitrogen deposition issues to policy makers.

1355. Ulli Dragosits (Centre for Ecology and Hydrology, Edinburgh). Assessment of agri-environment schemes for relevance to ammonia mitigation.

14:15. *End of meeting, with coffee.*

14:45. Steering Committee meeting (Yew meeting room, Stockholm Environment Institute).