

CAPER 2015: Plant and Ecosystem Responses to Air Pollution

Organisers Simon Caporn and Chris Field (Manchester Metropolitan University)

		Lead Speaker	Organisation	
Monday 30th March	2.00	Simon Caporn	Manchester Metropolitan University	Welcome to CAPER and delegate information
	2.10	David Fowler	Centre for Ecology & Hydrology	Introduction and session Chair
	2.15	Ed Tipping	Centre for Ecology & Hydrology	Modelling the effects of nitrogen deposition on semi-natural ecosystems
	2.35	Gareth Phoenix	University of Sheffield	Long-term nitrogen deposition depletes grassland seed banks: exacerbation of the conservation threat from N deposition
	2.55	Simon Peacock	Newcastle University	One hundred and twenty years of nitrogen inputs at Palace Leas experimental grassland plots
	3.15	Claudia Steadman	Centre for Ecology & Hydrology	Ocean-atmosphere exchange of ammonia in the 21st century and the effects of temperature and CO2
	3.35	Break 30 min		
	3.55	Richard Payne	University of York	Alaskan volcanoes, Atlantis, and the environmental impacts of volcanogenic pollution
	4.15	Ambreen Bhatti	PMAS-Arid Agriculture University Rawalpindi, Pakistan	Alleviation of air and soil pollution in urban and industrial areas
	4.35	Aamir Saleem	PMAS-Arid Agriculture University Rawalpindi, Pakistan	Urban and industrial air pollution: an imperative threat to human health, role of plants in its mitigation
	4.55	Mike Ashmore	University of York	Using citizen science to unravel the effects of air pollution on 'tar spot' of Sycamore
	5.15	Chair		Questions
				End
	6.00			CAPER Steering Committee meeting
	7.00			Conference Dinner (included in Conference fee)
Tuesday 31st March	9.00	Chair	tbc	Introduction to day
	9.05	Hugh Coe	University of Manchester	GUEST SPEAKER: Nitrogen in the atmosphere: chemistry and transport pathways
	9.45	Carly Stevens	Lancaster University	Impacts of nitrogen deposition on vegetation communities in the USA
	10.05	Isabel Rogers	Lancaster University	Carbon storage in grasslands: the impact of atmospheric nitrogen pollution
	10.25	Break 30 min		
	10.55	Rob Kinnersley	Environment Agency	Introduction to Science to Policy Session and session Chair
	11.15	Chris Field	Manchester Metropolitan University	Impact of atmospheric nitrogen deposition on the current and future status of protected habitats - a gap analysis
	11.35	Jane Hall	Centre for Ecology & Hydrology	The application of critical loads in the UK
	11.55	Ed Rowe	Centre for Ecology & Hydrology	Generating 'biodiversity-based' critical load functions for nitrogen and sulphur using a dynamic habitat-suitability model
	12.15	Gina Mills	Centre for Ecology & Hydrology	European ozone impacts research for policy formation
	12.35	Chair		Questions
	12.45	Lunch		
	1.45	Poster authors		3 minute poster talks
	2.00	Simon Bareham	Natural Resources Wales	A framework for UK research and evidence needs relating to air pollution impacts on biodiversity

	2.20	Sarah Watkins	Environment Agency	Using science to support regulation
	2.40	Ulli Dragosits	Centre for Ecology & Hydrology	Assessing sources of atmospheric nitrogen input to designated sites for spatially targeted mitigation
	3.00	Khalid Aazeem	Natural Resources Wales	In combination and cumulative assessments – a potential project
	3.20	Laurence Jones	Centre for Ecology & Hydrology	Attributing nitrogen deposition as a cause of unfavourable condition on protected sites
	3.40	Break 30 mins		
	4.10	Question Panel		Discussion on science to policy
	5.00			End
	7.30			Optional meal at Zouk (Asian food on Chester Street - postcode: M1 5QS) - (cost not included in Conference fee)
Wednesday 1st April	9.00	Chair		Introduction
	9.05	Gina Mills	Centre for Ecology & Hydrology	Ozone and nitrogen: from processes to ecosystem impacts
	9.25	Felicity Hayes	Centre for Ecology & Hydrology	Ozone and nitrogen interactions in dune grasslands
	9.45	Sylvia Toet	University of York	Impacts of elevated ozone on microbial communities in temperate peatland mesocosms
	10.05	Daniel Stabler	Newcastle University	Redefining ozone sensitivity
	10.25	Break 30 min		
	10.55	Netty van Dijk	Centre for Ecology & Hydrology	Whim Bog: a new nitrogen-ozone interaction experiment
	11.15	Simon Caporn	Manchester Metropolitan University	Legacy, recovery and restoration from pollution in the Pennine moorlands
	11.35	Donald Edokpa	University of Manchester	Impacts of peatland restoration on fluvial nitrogen dynamics
	11.55	David Elliot	Manchester Metropolitan University	Long term effects of air pollution on microbial communities of moorland peat
	12.15	David Fowler	Centre for Ecology & Hydrology	Past and future of CAPER
	12.45	Chair		Discussion
	12.50	Lunch		
		Depart		
				POSTERS
		Sam Tomlinson	Centre for Ecology & Hydrology	Historic Nitrogen Deposition: Long-Term Trends
		Ed Carnell	Centre for Ecology & Hydrology	Assessing the threat of N deposition from local sources to a designated site
		several other posters tbc		