NERC DTP Conference Schedule

Day 1 - Wednesday 1st June 2016

0900 - 0930	Registration and refreshments	Foyer of the School of the Earth and Environment building.
0930 - 0955	Welcome	Martyn Chipperfield
Session 1	Monitoring the Atmosphere	Chair: Hana Pearce
1000 - 1015	Adam Saint	Atmospheric chemistry at the ocean surface
1015 - 1030	Katie Smith	Using sensor networks to monitor the atmosphere
1030 - 1045	Alex Brennan	A new method for speciated peroxy radical detection
1045 - 1130	Coffee	
Session 2	Regional Modelling	Chair: Jacob Shaw
1130 - 1145	Louise Beverage	Crop - climate modelling for household adaptation to climate change
1145 - 1200	Alessandro Balata	Optimal control of an electric micro-grid: batteries, thermal generators and renewables
1200 – 1215	Eleanor Morris	Human impacts on atmospheric composition over West Africa. Pollution, projections and policy
1215 – 1230	Bethany Woodhams	Severe weather over East Africa
1230 – 1330	Lunch	
Session 3	Atmospheric Modelling	Chair: Oliver Halliday
1330 – 1345	Natasha Aylett	Atmospheric impacts of a close cometary encounter
1345 – 1400	Dan Ellis	Force-Directed graphs, Pretty Birds and the Atmosphere
1400 – 1415	Matthew Rowlinson	Investigating the effectiveness of short-term climate change mitigation through reducing non-CO2 emissions.

Session 4	Posters	Foyer and main conference room
1415 - 1500		

1500 – 1530	Coffee	
Session 5	Land Use	Chair: Luca Budello
1530 – 1545	Joana de Melo	Landscape-planning and tropical forest management in the context of international action on climate change
1545 – 1600	Sarah Letsinger	Occurrence and Effects of Pharmaceuticals in the Marine Environment
1600 – 1615	Julia Rupert	Origin and fate of nitrate contamination in chalk groundwater
1615 - 1630	Jamie Wilson	Impacts of land-use change on air quality and climate

POSTERS

TOSTERS	
Talking	Title
Sarah Fell	Methodologies for investigating alpine river ecosystem response to glacier retreat
Caroline Ward	Protected area governance, access to ecosystem services and livelihood impacts in Madagascar
Yvonne Smith	Investigation of northern hemisphere ice sheet variability in the Piacenzian using ice rafted debris and iceberg trajectory modelling
Traditional	Title
Luca Budello	The application of a community-level strategy for conservation prioritization in the Brazilian Cerrado, a poorly protected biodiversity hotspot.
Oliver Halliday	Idealised Convectively Forced Gravity Waves
Lauren Marshall	Disentangling the erupting source parameters that control the climate effects of volcanic eruptions
Ilkka Matero	Re-evaluation of the cause of the 8.2 ka event.
Hana Pearce	Semi-volatile inorganic species: Importance for atmospheric chemical composition on diurnal and seasonal timescales.

Robert Woodward-

Massey

Implementation of a chemical background method (OH-CHEM) for measurements of OH using the Leeds FAGE instrument: Characterisation and observations from a coastal location

Victoria Betts Exploring resilience of protected areas and Adjacent

Communities in the Eastern Arc Mountains: Developing a new

social-ecological network model

Erietta Moulopoulou Benchmark modelling of breaking 1D waves and dynamic

shingle beaches

NERC DTP Conference Schedule

Day 2 - Thursday 2nd June

0900 - 0930	Registration and refreshments	Foyer of the School of the Earth and environment building.
Session 1	Geological mechanisms and modelling	Chair: Tom Ingleby
0930 - 0945	Claire Harnett	The mechanics of lava domes - developing new predictive models from dome collapse
0945 - 1000	Maurits Metman	Forecasting changes in Earth's magnetic field
1000 - 1015	Patrick Sugden	Collision-related volcanoes of Armenia
1015 - 1030	Joshua Williams	Examining how earthquakes work: the properties of small earthquakes, their fault zones, and their triggering
1030 - 1115	Coffee	
Session 2	Atmospheric Chemistry	Chair: Robert Woodward-Massey
1115 - 1130	Graham Boustead	Laboratory studies probing gas-phase production of HONO on aerosol surfaces
1130 - 1145	Will Dixon	Development of ultra-high resolution mass spectrometry to study atmospheric aerosol pollution
1145 - 1200	Thomas Speak	Laboratory studies of Amines and related compounds in the troposphere
1200 - 1300	Lunch	
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Session 3	Ecosystems and biodiversity	Chair: Jude Lane
Session 3 1300 - 1315	Ecosystems and	Chair: Jude Lane Slowing the spread of invasive alien species: biosecurity best practice stakeholder engagement
	Ecosystems and biodiversity	Slowing the spread of invasive alien species: biosecurity best practice stakeholder

1345 - 1430		
1430 - 1500	Coffee	
Session 5	Climate change	Chair: Katherine Doyle
1500 - 1515	Jed Atkinson	Recovery from the end-Triassic mass extinction and the role of temperature and anoxia in European shelf seas
1515 - 1530	Jennifer Dentith	Abrupt climate transitions using geological tracers of ocean circulation
1530 - 1545	Timothy Dixon	Geogenic N as a nutrient source of subglacial microbial ecosystem
1545 -1600	Closing remarks	Nigel Richards
1600-1700	Drinks reception and prize winner announcements	

Main conference room and foyer

POSTERS

Session 4

Posters

Talking	Title
Thomas Dally	Pollinator monitoring and conservation
Robert Williams	An evidence-based approach to quarry restoration and ecological management
William Fincham	Predicting ecological impact of invasive species using comparative functional responses
Zak Mitchell	Dragonflight: Linking the mechanics and energetics of flight to conservation status and responses to climate change in dragonflies
George Taylor	Multi-scale imaging of the North Anatolian Fault Zone (Turkey) across crust and mantle
Shani Garraway	Long-term measurement and modelling of biogenic VOCs in a tropical rainforest environment

Traditional	Title
Ruth Amey	Measuring and modelling the earthquake deformation cycle at continental dip-slip faults
Thomas Ingleby	Measuring and modelling the earthquake deformation cycle at continental dip-slip faults
Ben Todd	Stimulating the thermal conduction of Lower Mantle minerals
Jacob Shaw	Lifetime measurements of atmospheric chlorine atoms
Michael Cook	Optimizing enhanced groundwater bio-remediation during pump and treat intervention
Katherine Doyle	Chemical evolution of the neoproterozoic-Cambrian biosphere
Autumn Pugh	The early Toarcian (Early Jurassic) mass extinction event and recovery in the Eastern Tethys
Owen King	Early detection of Himalayan glacial lake development using remote sensing methods
Jude Lane	High flying birds: sex-specific three-dimensional foraging behaviour of a top marine predator