

Lead Ref	PI Dept	Project Title	Institution
NE/F003250/1	Professor TA Brown Life Sciences	Single or multiple trajectories for the spread of maize cultivation into South America?	The University of Manchester
NE/F002769/1	Dr V Savolainen Jodrell Laboratory	Ecological speciation in palms on an oceanic island	Royal Botanic Gardens Kew
NE/F005725/1	Professor BC Sheldon Zoology	Host dispersal, individual variation and spatial heterogeneity in avian malaria	University of Oxford
NE/F004869/1	Dr KA Franklin Biology	Environmental modulation of Arabidopsis light foraging strategies	University of Leicester
NE/F003382/1	Dr K Dobney Archaeology	PIGS, PEOPLE & THE NEOLITHISATION OF EUROPE	Durham University
NE/F003587/1	Dr N Mundy Zoology	An expression approach to the molecular basis of carotenoid signalling in birds	University of Cambridge
NE/F003145/1	Professor RC Leegood Animal and Plant Sciences	METABOLISM AND FUNCTION OF STORAGE RESERVES IN DIATOMS	University of Sheffield
NE/F006071/1	Professor TA Burke	Evolutionary ecology of parental care: sexual selection, fitness and alternative personalities	
NE/F006225/1	Professor AP Vogler Biological Sciences	Genomic Signature of Complex Morphological Traits	Imperial College London
NE/F003781/1	Dr N Wedell Biosciences	Selfish genetic elements and population viability: the impact of temperature and sexual selection	University of Exeter
NE/F006063/1	Professor AL Heathwaite Lancaster Environment Centre	Implications of groundwater-surface water connectivity for nitrogen transformations in the hyporheic zone	Lancaster University
NE/F005822/1	Dr R Ganeshram Sch of Geosciences	Carbon fluxes in Antarctic Sea ice Environments (CASE)	University of Edinburgh
NE/F003390/1	Professor AJ Baird Geography	Efflux of methane (CH ₄) to the atmosphere from northern peatlands via ebullition: the role of plants and peat structure.	Queen Mary, University of
NE/F004591/1	Professor D Robinson	DIRECT IN SITU MEASUREMENT OF RESOURCE COMPETITION BY PLANTS ALONG ENVIRONMENTAL GRADIENTS	

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	Plant and Soil Science		University of Aberdeen
NE/F00608X/1	Professor DW Graham	Role of methanobactin in methane oxidation rates in the presence of mineral copper	
	Civil Engineering and		Newcastle University
NE/F006160/1	Professor EG Nisbet	The South Atlantic / Southern Ocean carbon sink: Is it significant, and is it changing over time?	
	Geology		Royal Holloway, Univ of London
NE/F003455/1	Professor K.J. Flynn	Partitioning of C, N and P between particulate and dissolved phases during growth of phytoplankton at different pH.	
	Biological Sciences		Swansea University
NE/F002408/1	Professor RG Williams	Sensitivity of ocean carbon cycling to anthropogenic emissions	
	Earth and Ocean Sciences		University of Liverpool
NE/F004249/1	Professor DJ Scanlan	Metal composition of marine cyanobacteria - an indicator of niche adaptation and cell physiological state?	
	Biological Sciences		University of Warwick
NE/F00477X/1	Dr H Sass	Manganese reduction coupled to the oxidation of ammonium and sulphur - a geochemical curiosity or an important biogeochemical process?	
	Sch of Earth, Ocean & Planetary Sciences		Cardiff University
NE/F005296/1	Dr REM Rickaby	A d30Si isotopic view on the climatic role of diatoms: driver or feedback?	
	Earth Sciences		University of Oxford
NE/F00415X/1	Dr CJ Keylock	Geophysical flow dynamics using pulsed Doppler radar	
	Sch of Geography		University of Leeds
NE/F003641/1	Dr H Paelike	Testing the amplitude and rapidity of carbonate saturation change and global climate during the high pCO2 Oligocene "cold house"	
	School of Ocean and Earth Science		University of Southampton
NE/F004273/1	Dr C Peirce	The Louisville Ridge-Tonga Trench collision: Implications for subduction zone dynamics	
	Earth Sciences		Durham University
NE/F005717/1	Dr SW Parman	Did Catastrophic Melting Events Control the Evolution of the Atmosphere-Ocean-Earth System?	
	Earth Sciences		Durham University

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NE/F004222/1	Dr JC Phillips	Magma Dynamics at Persistently Degassing Basaltic Volcanoes: A Novel Approach to Linking Volcanic Gases and Magmatic Volatiles within a Physical Model	
	Earth Sciences		University of Bristol
NE/F006047/1	Dr AM Piotrowski	Reconstructing past changes in global thermohaline circulation	
	Earth Sciences		University of Cambridge
NE/F004966/1	Professor H Elderfield	Temporal evolution of the deep-sea carbonate system and implications for the role of the oceans in glacial-interglacial changes in atmospheric CO ₂	
	Earth Sciences		University of Cambridge
NE/F003048/1	Dr T Nakagawa	Lake Suigetsu varved sediment project: terrestrial radiocarbon calibration model and inter-regional comparison of climate changes	
	Geography Politics and		Newcastle University
NE/F004974/1	Professor JA Pearce	Evolution of the Drake Passage/Scotia Sea Deep Ocean Current and Mantle Gateway	
	Sch of Earth, Ocean &		Cardiff University
NE/F002734/1	Dr S Barker	Changes in ocean circulation and the global carbon cycle during the last interglacial-glacial transition: Marine Isotope Stage 5a to 4	
	Sch of Earth, Ocean &		Cardiff University
NE/F00205X/1	Dr P Alton	The impact of diffuse sunlight and shortwave dimming on carbon, water and energy exchange at the vegetated land-surface	
	School of the Environment and		Swansea University
NE/F002149/1	Dr P Meir	Nutrient controls on the terrestrial carbon cycle: how does phosphorus deficiency influence plant respiration?	
	School of Geosciences		University of Edinburgh
NE/F005237/1	Dr PC Watts	Breaking boundaries: quantifying the influence of demography and seascape in driving adaptive variation in the ubiquitous protist <i>Oxyrrhis marina</i> .	
	Sch of Biological Sciences		University of Liverpool
NE/F003307/1	Dr SKS Thorpe	COMPLIANT INTERACTIONS AND LIMB MECHANICS DURING ARBOREAL LOCOMOTION IN TROPICAL FOREST ENVIRONMENTS	
	Sch of Biosciences		University of Birmingham
NE/F003137/1	Professor S Hartley	Do silica-based defences drive plant-herbivore dynamics?	
	Biology and Environmental Science		University of Sussex
NE/F003749/1	Dr L Ruber	Evolutionary diversification in an endangered biodiversity hotspot: the Southeast Asian peat swamp forest fish fauna	

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NE/F002653/1	Zoology Professor GD Ruxton	Masquerade: critical testing of the ecology of disguise.	The Natural History Museum
NE/F002971/1	Environmental and Evolutionary Biology Dr T Lawson	Effect of light, CO2 and nutrient limitation on photosynthesis in marine diazotrophic cyanobacteria.	University of Glasgow
NE/F00348X/1	Biological Sciences Dr PCJ Donoghue	Decoding the fossil record of embryology at the dawn of animal evolution	University of Essex
NE/F004788/1	Earth Sciences Professor D Edwards	Communities and palaeo-ecophysiology of fossil hot spring ecosystems through time	University of Bristol
NE/F005504/1	Sch of Earth, Ocean & Planetary Sciences Dr AD Rogers	Benthic biodiversity of seamounts in the southwest Indian Ocean	Cardiff University
NE/F00270X/1	Institute of Zoology Dr M Srokosz	Finite element Adaptive grid Modelling of Ecosystems and Nutrient Transport	Zoological Society London Inst Zoology
NE/F003919/1	NERC Strategic Research Division Dr P Palmer	Probabilistic estimation of changes in BVOC emissions due to projected land-use change: atmospheric and policy implications	National Oceanography Centre
NE/F00446X/1	Sch of Geosciences Dr RCA Hindmarsh	Measuring and modelling the Raymond Effect for to infer low strain-rate ice rheology	University of Edinburgh
NE/F005474/1	Physical Sciences Professor TM Lenton	Detecting and classifying bifurcations in the climate system	NERC British Antarctic Survey
NE/F002041/1	Environmental Sciences Professor PF Bernath	VOCs in the Troposphere Retrieved from ACE Satellite Measurements	University of East Anglia
NE/F004796/1	Chemistry Dr M King	Oxidant production over Antarctica land and its export - OPALE	University of York
NE/F002807/1	Geology Dr J Vanneste	Generation of unbalanced motion at horizontal boundaries in the atmosphere and the oceans	Royal Holloway, Univ of London
	Sch of Mathematics		University of Edinburgh

July Standard Grant Round

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NE/F002157/1	Professor PL Read Oxford Physics	Synchronization and predictability in experimental fluids and climate dynamics	University of Oxford
NE/F00236X/1	Professor DP Marshall Oxford Physics	Adjoint sensitivity of sea-level and inter-basin transports to surface forcing and circulation anomalies in present and future climates	University of Oxford
NE/F002858/1	Dr T Rippeth Sch of Ocean Sciences	A thermocline nutrient pump	Bangor University
NE/F004575/1	Professor M Chipperfield School of Earth and Environment	Testing and Improving Stratosphere-Troposphere Analyses Through Tracer Transport Studies	University of Leeds
NE/F004990/1	Dr SA Fueglistaler Applied Maths and Theoretical	Upper tropospheric humidity at low latitudes	University of Cambridge