

NERC Ref	Project Title	Institution	Co-Funding
Panel A			
NE/H008136/1	Dr JD Allan Earth Atmospheric and Env Sciences	Multiscale Chemical Composition of Carbonaceous particles and Coatings (MC4) The University of Manchester	
NE/H008225/1	Professor G Vaughan Earth Atmospheric and Env Sciences	Tropopause folding, stratospheric intrusions and deep convection The University of Manchester	
NE/H009299/1	Dr AC Dale Scottish Association For Marine Science	Great Race Eddies and Turbulence Scottish Association For Marine Science	
NE/H00436X/1	Professor AC Lewis Chemistry	An instrument for high time resolution and chemically speciated monoterpene atmospheric measurements University of York	35% Co-funded by EPSRC.
NE/H007717/1	Dr J Pickering Physics	A study of clear sky closure study using high resolution far-IR spectra from the high arctic Imperial College London	
NE/H008853/1	Professor P van Leeuwen Meteorology	Data assimilation in highly nonlinear geophysical systems: particle filters with localization University of Reading	
NE/H009760/1	Professor NJ Mitchell Electronic & Electrical Eng	Wave dynamics of the mesosphere University of Bath	
NE/H006834/1	Professor J Thuburn Engineering Computer Science and Maths	A Lagrangian Vertical Coordinate Dynamical Core for Global Atmospheric Modelling University of Exeter	
NE/H005668/1	Professor DP Marshall Oxford Physics	Role of ocean eddies in glacial cycles University of Oxford	
NE/H004238/1	Dr IM Brooks School of Earth and Environment	Air-Sea Interaction and Sea-spray in Typhoons (ASIST) University of Leeds	
NE/H005803/1	Dr RK Scott Mathematics and Statistics	Potential vorticity control of the Brewer-Dobson circulation University of St Andrews	
Panel B			
NE/H005552/1	Professor KM Dobney Archaeology	Reconsidering Austronesian Homeland and Dispersal Models using Genetic and Morphological Signatures of Domestic Animals University of Aberdeen	
NE/H009973/1	Dr JG Bundy Div of Surgery Oncology Rep Bio and Anae	Distinguishing pollutant-induced stresses from spatial and temporal environmental heterogeneity - a metabolomic approach to stress ecology Imperial College London	
NE/H003959/1	Dr S Cavers	Genomics of Adaptation in European Pines (GAP) NERC Centre for Ecology and Hydrology	
NE/H005080/1	Dr MA Brockhurst Sch of Biological Sciences	Host-symbiont coevolution: Exploring the parasitism-mutualism continuum University of Liverpool	
NE/H007563/1	Professor A McCarthy Sch of Biological Sciences	Metagenomic analysis of cellulose degrading communities University of Liverpool	25% Co-Funded by BBSRC
NE/H008047/1	Dr T Pizzari Zoology	The role of immune-mediated female sperm selection in temporal dynamics of fertilisation bias University of Oxford	50% Co-Funded by BBSRC

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NE/H008764/1	Dr MR Viant Sch of Biosciences	Is oxidative stress the principal mode of toxicity for metal oxide nanoparticles?	University of Birmingham	
NE/H00775X/1	Dr S Piertney Inst of Biological and Environmental Sci	Reverse engineering the genotype-phenotype map for parasite resistance in natural populations of red grouse.	University of Aberdeen	
NE/H009426/1	Dr D Bass Zoology	Biodiversity, phylogeny, and ecology of large naked ramose/reticulose amoebae: barely studied but diverse and common components of many ecosystems	The Natural History Museum	
NE/H004521/1	Professor RK Butlin Animal and Plant Sciences	Chemosensory genes and the evolution of aphid host races	University of Sheffield	
NE/H007741/1	Dr D Filatov Plant Sciences	Rubisco evolution, photosynthesis and plant adaptation to climate change	University of Oxford	
NE/H003738/1	Professor AJ Moore Biosciences	The Evolution of Parental Care Roles	University of Exeter	
NE/H008918/1	Dr H Schaefer Warwick HRI	Making and breaking DMS by salt marsh microbes - populations and pathways, revealed by stable isotope probing and molecular techniques	University of Warwick	
Panel C				
NE/H00534X/1	Dr AR Muxworthy Earth Science and Engineering	The effect of chemical alteration on the fidelity of palaeomagnetic pseudo-single-domain recorders	Imperial College London	
NE/H004246/1	Professor RH Crompton Biomedical Sciences	Digital Conservation and Reconstruction of 'Fossilized Behaviour': the evolution of the human foot as revealed by ancient footprint trails	University of Liverpool	
NE/H009205/1	Dr KW Nicholls Science Programmes	The oceanic boundary layer beneath ice shelves	NERC British Antarctic Survey	
NE/H009620/1	Dr T Maksym Science Programmes	Sea ice Processes and Mass Balance in the Bellingshausen Sea	NERC British Antarctic Survey	
NE/H009957/1	Professor AW Tudhope Sch of Geosciences	Quantifying variability of the El Nino Southern Oscillation on adaptation-relevant time scales using a novel palaeodata-modelling approach	University of Edinburgh	
NE/H008519/1	Professor J McCloskey Sch of Environmental Sciences	Sumatran Stress History for Forecasting Near-Future Tsunami Inundation	University of Ulster	
NE/H008276/1	Professor RW Brown Geographical and Earth Sciences	Resolving the age of the first-order topography of Africa	University of Glasgow	
NE/H007636/1	Professor JP Brodholt Earth Sciences	The Thermal Conductivity of Lower Mantle Minerals	University College London	
NE/H003975/1	Dr L Vocadlo Earth Sciences	New models for the Earth's core: the neglected role of nickel - ab initio calculations and high P-T experiments on Fe-Ni alloys	University College London	
NE/H004424/1	Professor EJ Rohling School of Ocean and Earth Science	Centennial-scale relationship of sea-level variability with global temperature and CO2 concentrations	University of Southampton	
NE/H006273/1	Dr RD Pancost Chemistry	Timing, Causes and Consequences of the Decline in Pliocene pCO2	University of Bristol	

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NE/H004491/1	Professor REM Hedges Archaeology and History of Art Res Lab	Developing radiocarbon dating of bone amino acids: refining chronology and resolving dietary and reservoir effects.	University of Oxford	
NE/H006362/1	Professor M Walter Earth Sciences	Water in the Deep Earth	University of Bristol	
NE/H009930/1	Professor DA Hodell Earth Sciences	Assessing changes in temperature, ice volume and ice sheet dynamics across the Middle Pleistocene Transition	University of Cambridge	
NE/H006559/1	Dr JH Davies School of Earth and Ocean Sciences	Testing mantle dynamics : Constraining high resolution numerical spherical convection models with geochemistry and geophysics	Cardiff University	
NE/H009922/1	Professor C Turney Geography	Towards a Decadally-Resolved Radiocarbon Calibration for the Last Glacial Period (30,000-11,700 years ago) Using New Zealand Kauri (<i>Agathis australis</i>)	University of Exeter	
Panel D				
NE/H005196/1	Professor M Zubkov NERC Strategic Research Division	How important is prokaryotic photoheterotrophy in ecosystems of the Atlantic Ocean from 40oS to 40oN?	National Oceanography Centre	
NE/H008187/1	Dr RLH Essery Sch of Geosciences	Snow-Vegetation-Atmosphere Interactions over Heterogeneous Landscapes	University of Edinburgh	
NE/H007458/1	Dr SJ Cornell Inst of Integrative & Comparative Biolog	Perturbed Neutrality - beyond null models of biodiversity	University of Leeds	
NE/H007466/1	Dr KC Hamer Inst of Integrative & Comparative Biolog	Individual specialization in resource use by a far-ranging marine predator: incidence and implications	University of Leeds	
NE/H007237/1	Dr A Franco Environmental Sciences	The role of dispersal in species' ability to respond to climate change	University of East Anglia	
NE/H003444/1	Professor NB Davies Zoology	Cuckoo-host co-evolution : portfolios of offence and defence	University of Cambridge	
NE/H004912/1	Professor TH Clutton-Brock Zoology	Individual strategies, group dynamics and population regulation in singular cooperative breeders	University of Cambridge	
NE/H010041/1	Dr RW Wilson Biosciences	Fish carbonates - their nature and fate within the marine inorganic carbon cycle	University of Exeter	
NE/H008527/1	Dr J Gill Biological Sciences	Ecological and behavioural constraints on range expansion in migratory birds	University of East Anglia	
NE/H009485/1	Dr M Steinke Biological Sciences	Role of dimethyl sulphide (DMS) in pelagic tritrophic interactions	University of Essex	
NE/H006702/1	Dr S Jenkins Sch of Ocean Sciences	TOWARDS AN INTEGRATIVE THEORY OF RECRUITMENT IN MARINE BENTHIC	Bangor University	
Panel E				
NE/H006443/1	Dr RH James NERC Strategic Research Division	Resolving Past Changes in Ocean Oxygenation: Utility of Chromium Isotopes	National Oceanography Centre	

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NE/H006176/1	Professor J Wainwright Geography	Understanding Runoff and Erosion Dynamics	University of Sheffield	
NE/H009574/1	Professor JM McArthur Earth Sciences	Mechanisms of Natural Arsenic-Pollution of Groundwater	University College London	
NE/H006583/1	Dr Y Teh Geography and Geosciences	Are tropical uplands regional hotspots for methane and nitrous oxide?	University of St Andrews	
NE/H008160/1	Mr SJ Brooks Entomology	Influence of global teleconnections on Holocene climate in Kamchatka	The Natural History Museum	
NE/H007954/1	Professor PJ Ashworth Sch of Environment and Technology	Morphodynamics and sedimentology of the tidally-influenced fluvial zone (TIFZ)	University of Brighton	
NE/H009914/1	Dr NJ Butterfield Earth Sciences	Burgess Shale-type microfossils in the Western Canada Sedimentary Basin: tracking early Palaeozoic ecosystem evolution	University of Cambridge	
NE/H009108/1	Dr A Nicholas Geography	Do floods matter? Bridging the gap between fluvial morphodynamics and alluvial architecture	University of Exeter	