

Lead Ref	Project Title	Institution
Panel 1		
NE/H010572/1	Professor M Zubkov NERC Strategic Research Division	Who are the ubiquitous, biomass-significant red fluorescent picoplanktonic cells in temperate and polar surface oceans? National Oceanography Centre
NE/H01277X/1	Dr G Van Keulen School of the Environment and Society	Proteomic profiling: A novel approach to understanding the biological causes of soil hydrophobicity Swansea University
NE/H011161/1	Professor E Maltby Institute for Sustainable Water	Investigating the temporal impact of drainage and re-wetting on interactions between microbes, enzyme kinetics and dissolved organic compounds in peat University of Liverpool
NE/H011684/1	Dr E Bailey Sch of Biosciences	Iodine transformations and dynamics in soils University of Nottingham
NE/H012524/1	Dr FR Cottier Scottish Association For Marine Science	Pan-Arctic Acoustic Archives: Quantifying zooplankton behaviours in a changing Arctic Scottish Association For Marine Science
NE/H010408/1	Dr EB Mallon Biology	Testing the conflict theory of the origin of genomic imprinting using the bumblebee, <i>Bombus terrestris</i> University of Leicester
NE/H011773/1	Dr KH Roucoux Sch of Geography	Long-term forest dynamics in Peruvian Amazonia University of Leeds
NE/H012435/1	Dr CFE Bacles Biological and Environmental Sciences	Restoration genetics of degraded forest landscapes: Land management and evolution of reproductive strategies in keystone tree species University of Stirling
NE/H010939/1	Dr D Johnson	Contribution of plant intraspecific diversity to carbon turnover in grassland

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	Inst of Biological and Environmental Sci		University of Aberdeen
NE/H012419/1	Dr R van der Wal	Understanding determinants of plant invasiveness: a case study on tree mallow <i>Lavatera arborea</i>	
	Inst of Biological and Environmental Sci		University of Aberdeen
NE/H012087/1	Dr JTP Copley	Biogeography and ecology of the first known deep-sea hydrothermal vent site on the ultraslow-spreading Southwest Indian Ridge	
	School of Ocean and Earth Science		University of Southampton
NE/H012303/1	Dr J Wiedenmann	Host pigments of hermatypic corals as indicators of environmental stress in reef communities	
	School of Ocean and Earth Science		University of Southampton
NE/H011498/1	Professor ME Viney	The genetic basis of host resistance / susceptibility to parasite infection in a wild vertebrate population: a pilot study.	
	Biological Sciences		University of Bristol
NE/H01182X/1	Dr Y Teh	Quantifying Event-Driven Methane Fluxes from Northern Peatlands Using A Novel Automated Flux Chamber Technique	
	Geography and Geosciences		University of St Andrews
NE/H011307/1	Dr P Eggleton	How important is the ant-termite interaction in African rain forests?	
	Entomology		The Natural History Museum
NE/H012311/1	Dr AD Marca	Atmospheric carbon partitioning using ^{13}C 18O16O composition of CO ₂	
	Environmental Sciences		University of East Anglia
NE/H011366/1	Dr M Trimmer	Methane as a novel energy subsidy in rivers: old or new carbon?	
	Sch of Biological and Chemical Sciences		Queen Mary, University of London

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NE/H01179X/1	Dr GK Phoenix	Resource partitioning for phosphorus (P) in a P-limited plant community: preference for different soil P sources among co-occurring species	
	Animal and Plant Sciences		University of Sheffield
NE/H010955/1	Dr W Dubbin	Adsorption of humic acid to interlamellar surfaces of montmorillonite	
	Mineralogy		The Natural History Museum
NE/H010548/1	Professor MG Ritchie	Genome-wide associations with song variation in a natural population of <i>Drosophila melanogaster</i>	
	Biology		University of St Andrews
NE/H012125/1	Professor NB Metcalfe	Does poor maternal condition reduce early offspring performance in the wild?	
	Faculty of Biomedical and Life Sciences		University of Glasgow
NE/H01263X/1	Dr W Otten	Integrating physical and chemical techniques to characterise soil micro-sites	
	Sch of Contemporary Sciences		University of Abertay Dundee
NE/H012362/1	Dr D Mauquoy	An evaluation of plant wax markers to reconstruct long-term vegetation change in peat bog deposits	
	School of Geosciences		University of Aberdeen
NE/H012176/1	Dr SAA Walsh	Neurological adaptations for flight - correlating form and function in the avian cerebellar flocculus	National Museums of Scotland
	Natural Sciences		
Panel 2			
NE/H01103X/1	Dr SA Josey	A Novel Temperature and Salinity Dataset for Northern High Latitude Seas (ATLAS)	
	NERC Strategic Research Division		National Oceanography Centre
NE/H012869/1	Dr B Kulesa	Seismic characterisation of subglacial conditions beneath the margin of the West Greenland Ice Sheet	

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	School of the Environment and Society		Swansea University
NE/H011994/1	Dr FM Stuart	Are He isotopes decoupled from other geochemical tracers in the deep Earth?	
	SUERC		Scottish Universities Env Research Cen
NE/H012982/1	Dr JP Wilkinson	ICE: Inuit Climate Experiment	
	Scottish Association For Marine Science		Scottish Association For Marine Science
NE/H011986/1	Professor G Fitton	Measuring the pulse of the Iceland plume	
	Sch of Geosciences		University of Edinburgh
NE/H011781/1	Dr D Porcelli	The Allerod-Younger Dryas iridium anomaly: comet impact or volcanism	
	Earth Sciences		University of Oxford
NE/H012656/1	Professor KW Burton	Fractionation of $\delta^{30}\text{Si}$ and $\delta^7\text{Li}$ during supply limited chemical weathering: Towards unified models of stable isotopic responses to weathering	
	Earth Sciences		University of Oxford
NE/H010327/1	Professor R Upstill-Goddard	Source variability of WSOC in atmospheric precipitation	
	Marine Science and Technology		Newcastle University
NE/H012842/1	Professor DAH Teagle	Geothermal systems related to rapid uplift on the Alpine Fault, New Zealand	
	School of Ocean and Earth Science		University of Southampton
NE/H010831/1	Professor C Ballantyne	Altitude and configuration of the last British-Irish ice sheet: testing the nunatak hypothesis using cosmogenic Be-10 exposure dating	
	Geography and Geosciences		University of St Andrews
NE/H012273/1	Dr WEN Austin	Holocene tephra constraints on the timing of millennial-scale variability in the subpolar North Atlantic	
	Geography and Geosciences		University of St Andrews

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NE/H011463/1	Dr C A Petrie Archaeology	Holocene Palaeoclimate history of Lake Riwasa: Implications for the urban Harappan Civilization	University of Cambridge
NE/H01098X/1	Dr REA von Glasow Environmental Sciences	3D probing of the atmospheric boundary layer and volcanic plumes: Proof of concept	University of East Anglia
NE/H012532/1	Dr J Kaiser Environmental Sciences	Glider observations of productivity in the Alboran Sea (GOPITAS)	University of East Anglia
NE/H011838/1	Professor CS Cockell Planetary & Space Sciences Research Inst	Peering into the Cradle of Life: Drilling the Barberton Greenstone Belt	Open University
NE/H012702/1	Dr W Muller Earth Sciences	A new method for dating brittle deformation: U-Pb dating of carbonate fibres	Royal Holloway, Univ of London
NE/H011420/1	Dr E Hawkins Meteorology	Developing statistical climate forecasts for the coming decade	University of Reading
NE/H011722/1	Dr H Dacre Meteorology	Evaluating the role of latent heating in extratropical cyclone development using a new cyclone climatology	University of Reading
NE/H012427/1	Dr G J Potts Earth and Ocean Sciences	How strong is the memory of the geomagnetic field? A critical appraisal of reversal asymmetry in precambrian rocks of Scotland	University of Liverpool
NE/H012486/1	Professor DJ Prior Earth and Ocean Sciences	The evolution of deformation mechanisms, physical conditions and physical properties in the seismogenic Alpine Fault zone: a pilot study	University of Liverpool

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NE/H012567/1	Dr M Steinke Biological Sciences	Fast DMS Sensor for online quantification of dimethyl sulphide (DMS)	University of Essex
NE/H011242/1	Professor M Walter Earth Sciences	Fluids in the Deep Earth: Raman Spectroscopy at High Pressures and Temperatures	University of Bristol
NE/H011927/1	Dr TR Elliott Earth Sciences	Testing the Hadean Hidden Reservoir Model	University of Bristol
NE/H012397/1	Dr DR Parsons School of Earth and Environment	Bedform related macroturbulence: topology and kinematics	University of Leeds
NE/H01053X/1	Dr S.A. Gibson Earth Sciences	Geochemical and geophysical constraints on the causes of widespread active volcanism in the Galápagos Archipelago	University of Cambridge
NE/H011595/1	Dr A Turchyn Earth Sciences	Analytical development of sulphur isotope analysis on small (1µg) sulphur samples	University of Cambridge
NE/H012648/1	Dr M Edmonds Earth Sciences	A new look at the volatile output from large flood basalt eruptions	University of Cambridge
NE/H011978/1	Dr DB Ryves Geography	Critically testing the role of delta-30 Si[diatom] as a novel productivity signal in temperate lakes	Loughborough University
NE/H011102/1	Professor RR Parrish NERC Isotope Geosciences Laboratory	Dating the "Taung Child" Australopithecus africanus type specimen through U-Pb measurements of associated calcite crystals	NERC British Geological Survey
NE/H012257/1	Dr PM Wynn Lancaster Environment Centre	Interrogating trees as archives of environmental sulphur variability	Lancaster University