

Ref	PI Dept	Project Title	Institution
<b>Panel: Small Grants Panel 1</b>			
NE/F010109/1	Professor TA Brown	Novel methodology for distinguishing between ancient and contaminating DNA in human archaeological remains	The University of Manchester
NE/F011474/1	Life Sciences Dr A Elliott	Modelling the effects of changing discharge patterns on lake phytoplankton communities	NERC Centre for Ecology and Hydrology
NE/F010680/1	Ecosystem Assessment and Forecasting Dr P Meir	Separating soil respiration into autotrophic and heterotrophic components in Peruvian montane rain forest.	University of Edinburgh
NE/F010974/1	School of Geosciences Professor G Hurst	Comparative genomics of <i>Arsenophonus</i> , a bacterial symbiont of arthropods	University of Liverpool
NE/F010095/1	Sch of Biological Sciences Dr MB Bonsall	Stochastic dynamics, inflationary effects & predator-prey metapopulations	University of Oxford
NE/F010141/1	Zoology Dr J Warburton	Significance of macroscale peat flux for carbon export in upland fluvial systems	Durham University
NE/F011253/1	Geography Dr WOH Hughes	Genetic polymorphism for chemical tags in leaf-cutting ants	University of Leeds
NE/F010834/1	Inst of Integrative & Comparative Biolog Dr M Williams	Exceptional fossil preservation in the Comley Lagerstätte, Shropshire: testing the phylogeny of Early Cambrian animals	University of Leicester
NE/F010982/1	Geology Dr M Purnell	Using tooth wear to impose ecological constraints on isotopic and biostratigraphic analyses based on conodonts	University of Leicester
NE/F011431/1	Geology Professor RP Evershed	QUANTIFYING THE BIOMOLECULAR FATE OF DIETARY C AND N IN EARTHWORM TISSUES AND CASTS	University of Bristol
NE/F010222/1	Chemistry Dr R Baxter	Towards improved estimation of carbon balance in a low-Arctic mire: a micrometeorological eddy covariance approach to methane flux characterization.	Durham University
NE/F011024/1	Biological and Biomedical Sciences Professor GA Wolff	Trophic relationships of benthic fauna at the Oman Margin: the impact of mass jelly falls.	University of Liverpool
NE/F009933/1	Earth and Ocean Sciences Dr PM Barrett	Origin of the avian respiratory system: a CT-study of postcranial pneumaticity in basal archosaurs	The Natural History Museum
NE/F011288/1	Palaeontology Professor JC Koella	Microsporidians as effective and evolution-resistant agents of malaria control?	Imperial College London
NE/F011709/1	Biological Sciences Dr TA Richards	Diversity, identity and ecological role of a novel fungal super clade	University of Exeter
NE/F011482/1	Biosciences Professor AFG Bourke	Measuring the heritability of sex ratio in a social insect	University of East Anglia
NE/F010184/1	Biological Sciences Dr DJ Suggett	Regulation of isoprene production by coastal benthic communities	University of Essex
NE/F009623/1	Biological Sciences Dr ME Hodson	Impact of soil chemistry and diet on rates of calcite production by the earthworm <i>Lumbricus rubellus</i> .	University of Reading
NE/F010699/1	Soil Science Dr C Berry	Middle Devonian Archaeopteridales and their role in the evolution of early forest ecosystems	Cardiff University
NE/F010044/1	Sch of Earth, Ocean & Planetary Sciences Dr H Schaefer	Genome sequencing of lytic and temperate phages infecting members of the <i>Roseobacter</i> clade	University of Warwick
	Warwick HRI		
<b>Panel: Small Grants Panel 2</b>			
NE/F010443/1	Dr JV Morgan	Seismic boundary 2A/2B: 1) lithologic boundary between lavas and dykes or 2) alteration boundary	Imperial College London
NE/F011210/1	Earth Science and Engineering Dr T Boyd	Temperature microstructure during the IPY: quantifying the impact of warm subsurface water on melting of Arctic sea ice	Scottish Association For Marine Science
NE/F010427/1	Scottish Association For Marine Science Dr M Meredith	Freshwater Export from the Weddell Gyre: Magnitude, Variability and Impacts	NERC British Antarctic Survey
NE/F010656/1	Physical Sciences Dr S Archer	Dimethyl sulphide (DMS) sea-to-air transfer velocities in the Southern Ocean	Plymouth Marine Laboratory
NE/F011067/1	Plymouth Marine Lab Professor SP Hesselbo	Sea-level change and carbon cycle perturbation in the Mesozoic 'greenhouse'	University of Oxford
NE/F01077X/1	Earth Sciences Dr C Perry	Historical timescale records of coral growth and skeletal carbonate deposition under conditions of high turbidity and terrigenous sediment influence	Manchester Metropolitan University
NE/F01161X/1	Environmental and Geographical Sciences Professor J McCloskey	Evaluation of Historical Earthquake Interaction and Seismic Risk to Western Sumatra	University of Ulster
NE/F010060/1	Sch of Environmental Sciences Dr RJ Hardy	Development of a combined Lagrangian / Eulerian approach to understand coherent flow structures in gravel-bed rivers	Durham University
	Geography		

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NE/F011326/1	Dr P Seakins Sch of Chemistry	In Situ monitoring of NO <sub>3</sub> radicals in a atmospheric chamber by cavity ring down spectroscopy	University of Leeds
NE/F00995X/1	Dr A Folkard Geography	Spatial variability of vertical eddy diffusivity in small lakes	Lancaster University
NE/F010281/1	Dr SW Parman Earth Sciences	Noble Gas Partitioning Experiments at Mantle Pressures: Proof-of-Concept Study	Durham University
NE/F010788/1	Dr M King Geology	Photochemical oxidation in snow and sea-ice by organic matter photocatalysis in the visible: An international field and modelling study.	Royal Holloway, Univ of London
NE/F011466/1	Dr P Christoffersen Scott Polar Research Institute	Investigating basal conditions and flow dynamics on Vestfonna Ice Cap, Svalbard	University of Cambridge
NE/F011261/1	Dr RJ Hogan Meteorology	Representing cloud inhomogeneity and overlap in a General Circulation Model	University of Reading
NE/F010338/1	Professor AJ Illingworth Meteorology	Balloon validation of remotely sensed aerosol properties	University of Reading
NE/F01080X/1	Professor N Pelford Sch of Conservation Sciences	shear-induced metal segregation in ordinary chondrites: implications for planetary core formation	Bournemouth University
NE/F011113/1	Mr J Renaud Geographical Sciences	Modelling vegetation growth and its impact on slope hydrology and stability	University of Bristol
NE/F009275/1	Professor G Masselink Sch of Geography	Beach change over individual wave cycles on sand and gravel beaches	University of Plymouth
NE/F010869/1	Dr SC Kohn Earth Sciences	Experimental determination of the partition coefficient of water between phenocrysts and silicate melts in magma chambers.	University of Bristol
NE/F010478/1	Dr P Talling Earth Sciences	How is ash dispersed in the ocean around volcanoes?	University of Bristol
NE/F00950X/1	Dr IM Brooks School of Earth and Environment	Southern Ocean Seaspray Aerosol Flux Experiment	University of Leeds
NE/F011407/1	Professor RS White Earth Sciences	Tracking melt injection under the Mid-Atlantic Rift near Askja, central Iceland	University of Cambridge
NE/F007558/1	Dr IR Hall Sch of Earth, Ocean & Planetary Sciences	DEEP WESTERN BOUNDARY CURRENT VARIABILITY IN THE SUBTROPICAL NORTHWEST ATLANTIC OCEAN DURING THE PAST 450 KYR	Cardiff University
NE/F011598/1	Dr H Rymer Earth Sciences	Gravity measurements of magma movements: detection of possible precursors to new eruption in Iceland	Open University
NE/F010214/1	Dr V Vlasenko Sch of Earth Ocean and Environment	Nontraditional baroclinic wave effects in the Strait of Gibraltar	University of Plymouth
NE/F011091/1	Dr RJ Twitchett Sch of Earth Ocean and Environment	Global warming and the Late Permian mass extinction event	University of Plymouth