

Pushing the Frontiers JAN23

Panel 1

Overall Score (0-10)	Grant Reference	Lead / Sole Grant	Grant Holder	Research Organisation	Project Title	Call
9	NE/Y000080/1	Y	Sarah Boulton	University of Plymouth	EXCESS: The role of excess topography and peak ground acceleration on earthquake-preconditioning of landslides	Pushing the Frontiers JAN23
9	NE/Y000110/1	Y	Craig Magee	University of Leeds	MAGMA: Magma Accommodation and Ground Movement Analysis	Pushing the Frontiers JAN23
9	NE/Y000838/1	Y	Robert Hilton	University of Oxford	Accelerated carbon dioxide release from sedimentary rocks in a warming world	Pushing the Frontiers JAN23
8	NE/Y000218/1	Y	Sally Gibson	University of Cambridge	The influence of lithospheric structure and composition on the distribution of CO2-rich intraplate volcanism and REE mineralisation	Pushing the Frontiers JAN23
8	NE/Y000471/1	Y	Athanasios Paschalis	Imperial College London	Quantifying the true carbon removal potential of enhanced rock weathering	Pushing the Frontiers JAN23
8	NE/Y000242/1	Y			Not funded	Pushing the Frontiers JAN23
7	NE/Y000188/1	Y			Not funded	Pushing the Frontiers JAN23
7	NE/Y001354/1	Y			Not funded	Pushing the Frontiers JAN23
6	NE/Y000994/1	Y			Not funded	Pushing the Frontiers JAN23
6	NE/Y001648/1	Y			Not funded	Pushing the Frontiers JAN23
	NE/Y000315/1	Y			Not discussed at panel	Pushing the Frontiers JAN23
	NE/Y00048X/1	Y			Not discussed at panel	Pushing the Frontiers JAN23
	NE/Y000501/1	Y			Not discussed at panel	Pushing the Frontiers JAN23
	NE/Y000544/1	Y			Not discussed at panel	Pushing the Frontiers JAN23
	NE/Y000935/1	Y			Not discussed at panel	Pushing the Frontiers JAN23
	NE/Y001168/1	Y			Not discussed at panel	Pushing the Frontiers JAN23
	NE/Y000277/1	N			Not discussed at panel	Pushing the Frontiers JAN23
	NE/Y001230/1	Y			Not discussed at panel	Pushing the Frontiers JAN23
	NE/Y001311/1	Y			Not discussed at panel	Pushing the Frontiers JAN23
	NE/Y001494/1	Y			Not discussed at panel	Pushing the Frontiers JAN23
	NE/Y001621/1	Y			Not discussed at panel	Pushing the Frontiers JAN23

Panel 2

Overall Score (0-10)	Grant Reference	Lead / Sole Grant	Grant Holder	Research Organisation	Project Title	Call
9	NE/Y000021/1	Y	James Haywood	University of Exeter	TWISTA (The Wide-ranging Impacts of STratospheric smoke Aerosols)	Pushing the Frontiers JAN23
9	NE/Y000358/1	N	Alexander Archibald	University of Cambridge	TWISTA (The Wide-ranging Impacts of STratospheric smoke Aerosols)	Pushing the Frontiers JAN23
9	NE/Y000048/1	Y	Roy Grainger	University of Oxford	Hunga Tonga-Hunga Ha'apai: a paradigm-changing eruption	Pushing the Frontiers JAN23
9	NE/Y000129/1	Y	Edward Hanna	University of Lincoln	Greenland Ice Sheet and sea-level response under climate change from AD 1600 to 2100	Pushing the Frontiers JAN23
9	NE/Y000226/1	Y	Dwayne Heard	University of Leeds	Suppression of air pollution via aerosol mediated removal of peroxy radicals	Pushing the Frontiers JAN23
9	NE/Y000331/1	Y	Douglas Parker	University of Leeds	Nowcasting with Artificial Intelligence for African Rainfall: NAIAR	Pushing the Frontiers JAN23
9	NE/Y000420/1	N	Christopher Taylor	UK Centre for Ecology & Hydrology	Nowcasting with Artificial Intelligence for African Rainfall: NAIAR	Pushing the Frontiers JAN23
9	NE/Y001028/1	Y	Andrea Burke	University of St Andrews	UKRI-Norway: Figuring Out how to Reconstruct Common Era forcing of climate by VOLcanoes with novel data and modelling approaches (FORCE-VOL)	Pushing the Frontiers JAN23
9	NE/Y001044/1	N	Elizabeth Thomas	NERC British Antarctic Survey	UKRI-Norway: Figuring Out how to Reconstruct Common Era forcing of climate by VOLcanoes with novel data and modelling approaches (FORCE-VOL)	Pushing the Frontiers JAN23
9	NE/Y001052/1	Y	Mathew Owens	University of Reading	Why have space weather forecasts not improved for over a decade?	Pushing the Frontiers JAN23
9	NE/Y001125/1	Y	Robert Newton	University of Leeds	New Foraminiferal Proxies for Cenozoic Seawater Chemistry (ForSea)	Pushing the Frontiers JAN23
9	NE/Y001133/1	Y	James Wild	Lancaster University	Modelling the impact of geomagnetically induced currents on UK railways	Pushing the Frontiers JAN23

9	NE/Y001176/1	N	Ciaran Beggan	British Geological Survey	Modelling the impact of geomagnetically induced currents on UK railways	Pushing the Frontiers JAN23
9	NE/Y001273/1	Y	Jennifer Catto	University of Exeter	Climate Change Impact on Midlatitude Cyclone Intensity, Tracks, and Impacts (CLIM-CITI)	Pushing the Frontiers JAN23
9	NE/Y000811/1	N	Pierre Dutrieux	NERC British Antarctic Survey	Coupled Evolution of Ice Shelf and Ocean in the Amundsen Sea Sector of Antarctica	Pushing the Frontiers JAN23
9	NE/Y001338/1	Y	Adrian Jenkins	Northumbria University	Coupled Evolution of Ice Shelf and Ocean in the Amundsen Sea Sector of Antarctica	Pushing the Frontiers JAN23
9	NE/Y001389/1	Y	Helen Czerski	University College London	Bubble Exchange in the Labrador Sea - 2023	Pushing the Frontiers JAN23
9	NE/Y000781/1	N	Chris Brierley	University College London	NERC - NSFGE0: Pliocene Lessons for the Indian Ocean Dipole (PLIOD)	Pushing the Frontiers JAN23
9	NE/Y001443/1	Y	Heather Ford	Queen Mary University of London	NERC - NSFGE0: Pliocene Lessons for the Indian Ocean Dipole (PLIOD)	Pushing the Frontiers JAN23
9	NE/Y001451/1	Y	Christopher Yit Sen Bull	Northumbria University	Rethinking Antarctic Sea Level Projections (RASP)	Pushing the Frontiers JAN23
7	NE/Y000404/1	Y			Not funded	Pushing the Frontiers JAN23
7	NE/Y000536/1	Y			Not funded	Pushing the Frontiers JAN23
7	NE/Y000870/1	Y			Not funded	Pushing the Frontiers JAN23
7	NE/Y001001/1	N			Not funded	Pushing the Frontiers JAN23
7	NE/Y00132X/1	Y			Not funded	Pushing the Frontiers JAN23
6	NE/Y000803/1	Y			Not funded	Pushing the Frontiers JAN23
6	NE/Y000897/1	Y			Not funded	Pushing the Frontiers JAN23
	NE/Y001087/1	Y			Not discussed at panel	Pushing the Frontiers JAN23
	NE/Y001303/1	Y			Not discussed at panel	Pushing the Frontiers JAN23
	NE/Y000579/1	Y			Not discussed at panel	Pushing the Frontiers JAN23
	NE/Y000099/1	Y			Not discussed at panel	Pushing the Frontiers JAN23
	NE/Y00101X/1	Y			Not discussed at panel	Pushing the Frontiers JAN23
	NE/Y001532/1	Y			Not discussed at panel	Pushing the Frontiers JAN23
	NE/Y000013/1	Y			Not discussed at panel	Pushing the Frontiers JAN23
	NE/Y00034X/1	Y			Not discussed at panel	Pushing the Frontiers JAN23
	NE/Y000587/1	N			Not discussed at panel	Pushing the Frontiers JAN23
	NE/Y001524/1	Y			Not discussed at panel	Pushing the Frontiers JAN23
	NE/Y001095/1	Y			Not discussed at panel	Pushing the Frontiers JAN23
	NE/Y001583/1	Y			Not discussed at panel	Pushing the Frontiers JAN23
	NE/Y000765/1	Y			Not discussed at panel	Pushing the Frontiers JAN23
	NE/Y001664/1	Y			Not discussed at panel	Pushing the Frontiers JAN23
	NE/Y001508/1	N			Not discussed at panel	Pushing the Frontiers JAN23
	NE/Y000951/1	Y			Not discussed at panel	Pushing the Frontiers JAN23
	NE/Y000307/1	N			Not discussed at panel	Pushing the Frontiers JAN23
	NE/Y000323/1	N			Not discussed at panel	Pushing the Frontiers JAN23
	NE/Y001656/1	Y			Not discussed at panel	Pushing the Frontiers JAN23
	NE/Y001605/1	Y			Not discussed at panel	Pushing the Frontiers JAN23
	NE/Y000846/1	Y			Not discussed at panel	Pushing the Frontiers JAN23
	NE/Y000439/1	Y			Not discussed at panel	Pushing the Frontiers JAN23
	NE/Y001109/1	Y			Not discussed at panel	Pushing the Frontiers JAN23

Panel 3

Overall Score (0-10)	Grant Reference	Lead / Sole Grant	Grant Holder	Research Organisation	Project Title	Call
9	NE/Y000102/1	Y	Jane Memmott	University of Bristol	The Impact of a Pesticide Ban on a Pollinator Community	Pushing the Frontiers JAN23
9	NE/Y000285/1	Y	Mark Brown	Royal Holloway, Univ of London	Optimising Nature's pharmacies: plant chemicals and pollinator health at the landscape scale	Pushing the Frontiers JAN23
9	NE/Y000412/1	Y	Robert Mills	University of York	Functional ecology of the alpine cryptogamasphere in the face of change (CryptFunc)	Pushing the Frontiers JAN23

9	NE/Y000978/1	N	Rebecca Yahr	Royal Botanic Garden Edinburgh	Functional ecology of the alpine cryptogamosphere in the face of change	Pushing the Frontiers JAN23
9	NE/Y000676/1	N	Peter Fretwell	NERC British Antarctic Survey	How will Emperor Penguins Respond to Changing Ice Conditions (EPIC)?	Pushing the Frontiers JAN23
9	NE/Y00115X/1	Y	Stewart Jamieson	Durham University	How will Emperor Penguins Respond to Changing Ice Conditions (EPIC)?	Pushing the Frontiers JAN23
9	NE/Y001184/1	Y	Eoin O'Gorman	University of Essex	Predicting the Impacts of Global Environmental Change on Ecological Networks	Pushing the Frontiers JAN23
8	NE/Y00163X/1	Y	David Robert Galbraith	University of Leeds	THERMOS:Thermal Safety Margins of Earth's Tropical Forests	Pushing the Frontiers JAN23
8	NE/Y001516/1	Y			Not funded	Pushing the Frontiers JAN23
7	NE/Y000609/1	Y			Not funded	Pushing the Frontiers JAN23
7	NE/Y000730/1	Y			Not funded	Pushing the Frontiers JAN23
7	NE/Y00082X/1	Y			Not funded	Pushing the Frontiers JAN23
7	NE/Y001214/1	Y			Not funded	Pushing the Frontiers JAN23
7	NE/Y001265/1	Y			Not funded	Pushing the Frontiers JAN23
7	NE/Y001362/1	Y			Not funded	Pushing the Frontiers JAN23
7	NE/Y001370/1	Y			Not funded	Pushing the Frontiers JAN23
6	NE/Y00003X/1	Y			Not funded	Pushing the Frontiers JAN23
6	NE/Y000366/1	Y			Not funded	Pushing the Frontiers JAN23
6	NE/Y000706/1	Y			Not funded	Pushing the Frontiers JAN23
6	NE/Y00065X/1	N			Not funded	Pushing the Frontiers JAN23
6	NE/Y000773/1	Y			Not funded	Pushing the Frontiers JAN23
6	NE/Y001281/1	Y			Not funded	Pushing the Frontiers JAN23
6	NE/Y00146X/1	N			Not funded	Pushing the Frontiers JAN23
	NE/Y000161/1	Y			Not discussed at panel	Pushing the Frontiers JAN23
	NE/Y000455/1	Y			Not discussed at panel	Pushing the Frontiers JAN23
	NE/Y001346/1	Y			Not discussed at panel	Pushing the Frontiers JAN23
	NE/Y001575/1	N			Not discussed at panel	Pushing the Frontiers JAN23
	NE/Y000722/1	Y			Not discussed at panel	Pushing the Frontiers JAN23
	NE/Y000668/1	Y			Not discussed at panel	Pushing the Frontiers JAN23
	NE/Y001257/1	Y			Not discussed at panel	Pushing the Frontiers JAN23
	NE/Y001486/1	Y			Not discussed at panel	Pushing the Frontiers JAN23
	NE/Y000447/1	Y			Not discussed at panel	Pushing the Frontiers JAN23
	NE/Y001435/1	Y			Not discussed at panel	Pushing the Frontiers JAN23
	NE/Y000749/1	N			Not discussed at panel	Pushing the Frontiers JAN23
	NE/Y000943/1	Y			Not discussed at panel	Pushing the Frontiers JAN23
	NE/Y000250/1	N			Not discussed at panel	Pushing the Frontiers JAN23
	NE/Y001540/1	Y			Not discussed at panel	Pushing the Frontiers JAN23
	NE/Y001478/1	Y			Not discussed at panel	Pushing the Frontiers JAN23
	NE/Y001680/1	Y			Not discussed at panel	Pushing the Frontiers JAN23
	NE/Y000153/1	Y			Not discussed at panel	Pushing the Frontiers JAN23
	NE/Y00051X/1	Y			Not discussed at panel	Pushing the Frontiers JAN23
	NE/Y00096X/1	Y			Not discussed at panel	Pushing the Frontiers JAN23
	NE/Y001419/1	Y			Not discussed at panel	Pushing the Frontiers JAN23
	NE/Y000862/1	N			Not discussed at panel	Pushing the Frontiers JAN23

Panel 4

Overall Score (0-10)	Grant Reference	Lead / Sole Grant	Grant Holder	Research Organisation	Project Title	Call
9	NE/Y000234/1	Y	Alastair Wilson	University of Exeter	Divergence and parallel evolution of boldness in guppies	Pushing the Frontiers JAN23
9	NE/Y000293/1	Y	Nathan Wales	University of York	Hidden Frontiers: longitudinal crop trajectories in the Alpine Arc	Pushing the Frontiers JAN23

9	NE/Y000684/1	Y	Jane Reid	University of Aberdeen	Eco-evolutionary dynamics of seasonally mobile systems	Pushing the Frontiers JAN23
9	NE/Y000757/1	Y	Katrina Elizabeth Jones	The University of Manchester	Cruising the whale superhighway: The evolution, biomechanics, and ecological drivers of migration in cetaceans	Pushing the Frontiers JAN23
9	NE/Y000889/1	Y	Gabriel Yvon-Durocher	University of Exeter	Ecological and Evolutionary Constraints on the Temperature Dependence of Microbial Community Respiration	Pushing the Frontiers JAN23
9	NE/Y000900/1	Y	Barbara Tschirren	University of Exeter	Testing evolutionary hypotheses for the long-term maintenance of balanced immunogenetic polymorphisms in a wildlife model	Pushing the Frontiers JAN23
9	NE/Y001249/1	Y	Christopher Knight	The University of Manchester	Understanding the mechanisms of microbial community assembly, stability and function	Pushing the Frontiers JAN23
9	NE/Y001397/1	Y	Seirian Sumner	University College London	Unlocking the sensory secrets of predatory wasps: towards predictive tools for managing wasps' ecosystem services in the Anthropocene	Pushing the Frontiers JAN23
9	NE/Y001591/1	Y	Emma Cunningham	University of Edinburgh	ECOFLU : Understanding the ecology of Highly Pathogenic Avian Influenza in wild bird populations	Pushing the Frontiers JAN23
9	NE/Y001672/1	Y	Kathryn Elmer	University of Glasgow	Sex-specific fitness landscapes in the evolution of egg-laying vs live-birth	Pushing the Frontiers JAN23
8	NE/Y000390/1	Y			Not funded	Pushing the Frontiers JAN23
8	NE/Y001079/1	Y			Not funded	Pushing the Frontiers JAN23
8	NE/Y001192/1	Y			Not funded	Pushing the Frontiers JAN23
7	NE/Y00017X/1	Y			Not funded	Pushing the Frontiers JAN23
7	NE/Y000374/1	Y			Not funded	Pushing the Frontiers JAN23
7	NE/Y000560/1	Y			Not funded	Pushing the Frontiers JAN23
7	NE/Y000714/1	Y			Not funded	Pushing the Frontiers JAN23
7	NE/Y000927/1	Y			Not funded	Pushing the Frontiers JAN23
7	NE/Y001060/1	Y			Not funded	Pushing the Frontiers JAN23
7	NE/Y001427/1	Y			Not funded	Pushing the Frontiers JAN23
7	NE/Y001613/1	Y			Not funded	Pushing the Frontiers JAN23
6	NE/Y000064/1	Y			Not funded	Pushing the Frontiers JAN23
6	NE/Y000633/1	Y			Not funded	Pushing the Frontiers JAN23
6	NE/Y001036/1	Y			Not funded	Pushing the Frontiers JAN23
6	NE/Y001567/1	Y			Not funded	Pushing the Frontiers JAN23
5	NE/Y000854/1	Y			Not funded	Pushing the Frontiers JAN23
5	NE/Y000919/1	N			Not funded	Pushing the Frontiers JAN23
	NE/Y001222/1	Y			Not discussed at panel	Pushing the Frontiers JAN23
	NE/Y000463/1	Y			Not discussed at panel	Pushing the Frontiers JAN23
	NE/Y000617/1	Y			Not discussed at panel	Pushing the Frontiers JAN23
	NE/Y00129X/1	Y			Not discussed at panel	Pushing the Frontiers JAN23
	NE/Y000595/1	Y			Not discussed at panel	Pushing the Frontiers JAN23
	NE/Y000498/1	Y			Not discussed at panel	Pushing the Frontiers JAN23
	NE/Y00020X/1	Y			Not discussed at panel	Pushing the Frontiers JAN23
	NE/Y000528/1	Y			Not discussed at panel	Pushing the Frontiers JAN23
	NE/Y000986/1	N			Not discussed at panel	Pushing the Frontiers JAN23
	NE/Y000137/1	Y			Not discussed at panel	Pushing the Frontiers JAN23
	NE/Y001559/1	Y			Not discussed at panel	Pushing the Frontiers JAN23
	NE/Y000145/1	Y			Not discussed at panel	Pushing the Frontiers JAN23
	NE/Y000641/1	Y			Not discussed at panel	Pushing the Frontiers JAN23
	NE/Y000692/1	Y			Not discussed at panel	Pushing the Frontiers JAN23
	NE/Y000625/1	N			Not discussed at panel	Pushing the Frontiers JAN23
	NE/Y00079X/1	Y			Not discussed at panel	Pushing the Frontiers JAN23