

Pushing the Frontiers JUL22

Panel 1

Overall Score (0-10)	Grant Reference	Lead / Sole Grant	Grant Holder	Research Organisation	Project Title	Call
9	NE/X015440/1	Y	Fabian Wadsworth	Durham University	Explosive-effusive volcanic eruption transitions caused by pyroclast sintering	Pushing the Frontiers JUL22
9	NE/X015025/1	Y	Alexander Dunhill	University of Leeds	NERC-NSFGEO Community And Structural Collapse During Mass Extinctions (CASCaDE)	Pushing the Frontiers JUL22
9	NE/X014541/1	Y	Ian Main	University of Edinburgh	On the edge?	Pushing the Frontiers JUL22
9	NE/X01519X/1	Y	Isobel Yeo	National Oceanography Centre	HYDROTHERMAL CONTROLS ON CALDERA EXPLOSIVITY	Pushing the Frontiers JUL22
9	NE/X015173/1	Y	Catriona Menzies	Durham University	Tracing volatile cycling during progressive subduction in the Mariana Forearc	Pushing the Frontiers JUL22
9	NE/X015114/1	Y	Martin Smith	University of Brighton	SCREED: Supergene enrichment of carbonatite REE deposits	Pushing the Frontiers JUL22
9	NE/X014142/1	Y	Andrew Biggin	University of Liverpool	Palaeomagnetic field behaviour in the Palaeozoic and the hunt for inner core birth	Pushing the Frontiers JUL22
9	NE/X014789/1	Y	Stuart Gilfillan	University of Edinburgh	Enabling CO2 mineralisation through pore to field-scale tracking of carbonate precipitation: INCLUSION	Pushing the Frontiers JUL22
9	NE/X013944/1	Y	James Hickey	University of Exeter	DV3M: Deforming Volcanoes with Dynamic Magma-Mush Models	Pushing the Frontiers JUL22
9	NE/X013642/1	Y	Margaret Hartley	The University of Manchester	Magmatic volatiles in the fourth dimension	Pushing the Frontiers JUL22
8	NE/X015041/1	Y			Not funded	Pushing the Frontiers JUL22
8	NE/X015165/1	Y			Not funded	Pushing the Frontiers JUL22
8	NE/X01357X/1	Y			Not funded	Pushing the Frontiers JUL22
8	NE/X013529/1	N			Not funded	Pushing the Frontiers JUL22
8	NE/X013510/1	N			Not funded	Pushing the Frontiers JUL22
7	NE/X015017/1	Y			Not funded	Pushing the Frontiers JUL22
5	NE/X014053/1	Y			Not funded	Pushing the Frontiers JUL22
6	NE/X013715/1	Y			Not funded	Pushing the Frontiers JUL22
6	NE/X013723/1	Y			Not funded	Pushing the Frontiers JUL22
6	NE/X013952/1	Y			Not funded	Pushing the Frontiers JUL22
6	NE/X014037/1	Y			Not funded	Pushing the Frontiers JUL22
6	NE/X013847/1	N			Not funded	Pushing the Frontiers JUL22
6	NE/X014045/1	Y			Not funded	Pushing the Frontiers JUL22
6	NE/X014215/1	Y			Not funded	Pushing the Frontiers JUL22
6	NE/X014525/1	Y			Not funded	Pushing the Frontiers JUL22
6	NE/X014568/1	Y			Not funded	Pushing the Frontiers JUL22
6	NE/X014835/1	Y			Not funded	Pushing the Frontiers JUL22
6	NE/X014878/1	Y			Not funded	Pushing the Frontiers JUL22
6	NE/X014894/1	Y			Not funded	Pushing the Frontiers JUL22
6	NE/X015157/1	Y			Not funded	Pushing the Frontiers JUL22
6	NE/X015297/1	Y			Not funded	Pushing the Frontiers JUL22
6	NE/X015432/1	Y			Not funded	Pushing the Frontiers JUL22
6	NE/X015467/1	Y			Not funded	Pushing the Frontiers JUL22
7	NE/X013898/1	Y			Not funded	Pushing the Frontiers JUL22

Panel 2

Overall Score (0-10)	Grant Reference	Lead / Sole Grant	Grant Holder	Research Organisation	Project Title	Call
9	NE/X01455X/1	Y	Christopher Hughes	University of Liverpool	OceanBound	Pushing the Frontiers JUL22
9	NE/X014738/1	N	Emma Boland	NERC British Antarctic Survey	OceanBound	Pushing the Frontiers JUL22
9	NE/X014134/1	Y	Elizabeth Kendon	University of Bristol	FUTURE-FLOOD: New estimates of evolving UK flood risk for improved climate resilience	Pushing the Frontiers JUL22
9	NE/X014819/1	Y	Katharine Hendry	NERC British Antarctic Survey	Silicon CycLing IN Glaciated environments	Pushing the Frontiers JUL22
9	NE/X013537/1	Y	David Rippin	University of York	Greenland ice marginal lake evolution as a driver of ice sheet change - how important are rising lake temperatures?	Pushing the Frontiers JUL22

9	NE/X013596/1	N	Christopher Taylor	UK Centre for Ecology & Hydrology	Humid heat extremes in the Global (sub)Tropics (H2X)	Pushing the Frontiers JUL22
9	NE/X013618/1	Y	Cathryn Birch	University of Leeds	Humid heat extremes in the Global (sub)Tropics (H2X)	Pushing the Frontiers JUL22
9	NE/X013758/1	Y	Jonathan Sharples	University of Liverpool	Enhanced carbon export driven by internal tides over the mid-Atlantic ridge (CarTRidge)	Pushing the Frontiers JUL22
9	NE/X014193/1	N	Joanne Hopkins	National Oceanography Centre	Enhanced carbon export driven by internal tides over the mid-Atlantic ridge (CarTRidge)	Pushing the Frontiers JUL22
9	NE/X014355/1	N	Alberto Naveira Garabato	University of Southampton	Enhanced carbon export driven by internal tides over the mid-Atlantic ridge (CarTRidge)	Pushing the Frontiers JUL22
9	NE/X014576/1	N	Alex Poulton	Heriot-Watt University	Enhanced carbon export driven by internal tides over the mid-Atlantic ridge (CarTRidge)	Pushing the Frontiers JUL22
9	NE/X014754/1	N	Rob Hall	University of East Anglia	A MISSING LINK between continental shelves and the deep sea: Addressing the overlooked role of land-detached submarine canyons	Pushing the Frontiers JUL22
9	NE/X014975/1	Y	Mike Clare	National Oceanography Centre	A MISSING LINK between continental shelves and the deep sea: Addressing the overlooked role of land-detached submarine canyons	Pushing the Frontiers JUL22
9	NE/X013936/1	Y	Nico Gray	The University of Manchester	Waves, levees and impact pressures in snow avalanches	Pushing the Frontiers JUL22
9	NE/X013782/1	Y	John Taylor	University of Cambridge	Simulating UNDER ice Shelf Extreme Topography (SUNSET)	Pushing the Frontiers JUL22
9	NE/X014061/1	N	Paul Holland	NERC British Antarctic Survey	Simulating UNDER ice Shelf Extreme Topography (SUNSET)	Pushing the Frontiers JUL22
9	NE/X014649/1	Y	David Lowry	Royal Holloway, Univ of London	Mobile Observations and quantification of Methane Emissions to inform National Targeting, Upscaling and Mitigation (MOMENTUM)	Pushing the Frontiers JUL22
9	NE/X01536X/1	Y	Peter Nienow	University of Edinburgh	Investigating the potential for catastrophic collapse of Greenland's 'land'-terminating glacier margins	Pushing the Frontiers JUL22
9	NE/X013901/1	Y	Jill Johnson	University of Sheffield	Towards Maximum Feasible Reduction in Aerosol Forcing Uncertainty (Aerosol-MFR)	Pushing the Frontiers JUL22
9	NE/X013804/1	Y	David Al-Attar	University of Cambridge	Next-Generation Modelling of Glacial Isostatic Adjustment	Pushing the Frontiers JUL22
9	NE/X014991/1	Y	Oliver Marsh	NERC British Antarctic Survey	RIFT-TIP: Rates of Ice Fracture and Timing of Tabular Iceberg Production	Pushing the Frontiers JUL22
9	NE/X014827/1	Y	Ruth Geen	University of Birmingham	Bridging theory to reality in projections of the Asian and West African monsoons (Bridge)	Pushing the Frontiers JUL22
8	NE/X01438X/1	Y			Not funded	Pushing the Frontiers JUL22
8	NE/X014509/1	Y			Not funded	Pushing the Frontiers JUL22
8	NE/X014614/1	N			Not funded	Pushing the Frontiers JUL22
8	NE/X014657/1	N			Not funded	Pushing the Frontiers JUL22
8	NE/X015289/1	Y			Not funded	Pushing the Frontiers JUL22
8	NE/X01522X/1	N			Not funded	Pushing the Frontiers JUL22
8	NE/X015254/1	Y			Not funded	Pushing the Frontiers JUL22
8	NE/X01388X/1	Y			Not funded	Pushing the Frontiers JUL22
8	NE/X013960/1	N			Not funded	Pushing the Frontiers JUL22
8	NE/X014304/1	N			Not funded	Pushing the Frontiers JUL22
8	NE/X013634/1	Y			Not funded	Pushing the Frontiers JUL22
8	NE/X015343/1	Y			Not funded	Pushing the Frontiers JUL22
7	NE/X013839/1	Y			Not funded	Pushing the Frontiers JUL22
7	NE/X013979/1	Y			Not funded	Pushing the Frontiers JUL22
7	NE/X014096/1	Y			Not funded	Pushing the Frontiers JUL22
7	NE/X014282/1	Y			Not funded	Pushing the Frontiers JUL22
7	NE/X014487/1	N			Not funded	Pushing the Frontiers JUL22
7	NE/X014290/1	Y			Not funded	Pushing the Frontiers JUL22
7	NE/X014177/1	Y			Not funded	Pushing the Frontiers JUL22
7	NE/X014843/1	Y			Not funded	Pushing the Frontiers JUL22
7	NE/X014436/1	Y			Not funded	Pushing the Frontiers JUL22
7	NE/X015211/1	N			Not funded	Pushing the Frontiers JUL22
7	NE/X013987/1	Y			Not funded	Pushing the Frontiers JUL22
7	NE/X015033/1	Y			Not funded	Pushing the Frontiers JUL22
7	NE/X014924/1	Y			Not funded	Pushing the Frontiers JUL22
7	NE/X014959/1	Y			Not funded	Pushing the Frontiers JUL22
4	NE/X013545/1	Y			Not funded	Pushing the Frontiers JUL22
4	NE/X013774/1	Y			Not funded	Pushing the Frontiers JUL22
4	NE/X013871/1	Y			Not funded	Pushing the Frontiers JUL22
4	NE/X014533/1	Y			Not funded	Pushing the Frontiers JUL22
4	NE/X015130/1	Y			Not funded	Pushing the Frontiers JUL22
6	NE/X013995/1	Y			Not funded	Pushing the Frontiers JUL22
6	NE/X014118/1	Y			Not funded	Pushing the Frontiers JUL22

6	NE/X014363/1	Y			Not funded	Pushing the Frontiers JUL22
6	NE/X01441X/1	Y			Not funded	Pushing the Frontiers JUL22
6	NE/X014452/1	Y			Not funded	Pushing the Frontiers JUL22
6	NE/X01472X/1	N			Not funded	Pushing the Frontiers JUL22
6	NE/X014320/1	N			Not funded	Pushing the Frontiers JUL22
6	NE/X014606/1	Y			Not funded	Pushing the Frontiers JUL22
6	NE/X01486X/1	Y			Not funded	Pushing the Frontiers JUL22
6	NE/X013731/1	N			Not funded	Pushing the Frontiers JUL22
6	NE/X014886/1	Y			Not funded	Pushing the Frontiers JUL22
6	NE/X01505X/1	Y			Not funded	Pushing the Frontiers JUL22
6	NE/X015092/1	Y			Not funded	Pushing the Frontiers JUL22
6	NE/X014762/1	N			Not funded	Pushing the Frontiers JUL22
6	NE/X015106/1	N			Not funded	Pushing the Frontiers JUL22
6	NE/X015122/1	Y			Not funded	Pushing the Frontiers JUL22
6	NE/X015181/1	Y			Not funded	Pushing the Frontiers JUL22
6	NE/X015424/1	Y			Not funded	Pushing the Frontiers JUL22
6	NE/X015475/1	Y			Not funded	Pushing the Frontiers JUL22

Panel 3

Overall Score (0-10)	Grant Reference	Lead / Sole Grant	Grant Holder	Research Organisation	Project Title	Call
9	NE/X014347/1	Y	Oliver Phillips	University of Leeds	The End of the Amazon Carbon Sink? (AMSINK)	Pushing the Frontiers JUL22
9	NE/X014428/1	Y	David John Lea-Smith	University of East Anglia	DMSP SYNTHESIS VIA A NOVEL ENZYME IN CYANOBACTERIA AND DIVERSE BACTERIA	Pushing the Frontiers JUL22
9	NE/X013766/1	Y	Roberto Salguero-Gomez	University of Oxford	Integrating and predicting responses of natural systems to disturbances	Pushing the Frontiers JUL22
9	NE/X014398/1	Y	Laura Lehtovirta-Morley	University of East Anglia	Identifying novel microbial drivers to mitigate atmospheric methane emission	Pushing the Frontiers JUL22
9	NE/X015262/1	Y	Jos Barlow	Lancaster University	Rainforest Fauna in the Anthropocene: an integrated approach to understanding impacts of climate and land use change (RAINFAUNA)	Pushing the Frontiers JUL22
9	NE/X014150/1	Y	Peter Langdon	University of Southampton	Recovery pathways for lake ecosystems	Pushing the Frontiers JUL22
9	NE/X014770/1	Y	Jeremy Field	University of Exeter	ROLE SPECIALIZATION AND PLASTICITY AT THE ORIGIN OF EUSOCIALITY	Pushing the Frontiers JUL22
9	NE/X014851/1	Y	Ian Bull	University of Bristol	Discovering The Molecular Basis For Carbon Storage In Soil For Food Security And Climate Change Mitigation	Pushing the Frontiers JUL22
9	NE/X015238/1	Y	Nicholas Girkin	Cranfield University	Environmental and ecological drivers of tropical peatland methane dynamics across spatial scales	Pushing the Frontiers JUL22
9	NE/X015076/1	Y	Philip Wookey	University of Stirling	Turbo-charging the mycorrhizosphere - Could more productive ecosystems threaten soil carbon stocks in boreal and sub-arctic zones of transition?	Pushing the Frontiers JUL22
9	NE/X015270/1	Y	Frances Orton	Heriot-Watt University	A Novel Testing Paradigm to Identify and Manage Multiple Stressor Impacts on Wildlife	Pushing the Frontiers JUL22
9	NE/X015327/1	N	Claus Svendsen	UK Centre for Ecology & Hydrology	A Novel Testing Paradigm to Identify and Manage Multiple Stressor Impacts on Wildlife	Pushing the Frontiers JUL22
9	NE/X01374X/1	Y	Kate Parr	University of Liverpool	What happens to the green stuff? Applying a novel zoogeochemical lens to ecosystem nutrient cycling	Pushing the Frontiers JUL22
9	NE/X015459/1	Y	Linda Lawton	The Robert Gordon University	Mitigating Microbial Hazards - Eliminating HABs risks in salmon farms	Pushing the Frontiers JUL22
8	NE/X015394/1	Y			Not funded	Pushing the Frontiers JUL22
7	NE/X014223/1	Y			Not funded	Pushing the Frontiers JUL22
7	NE/X014126/1	Y			Not funded	Pushing the Frontiers JUL22
7	NE/X013685/1	N			Not funded	Pushing the Frontiers JUL22
7	NE/X014002/1	Y			Not funded	Pushing the Frontiers JUL22
7	NE/X013820/1	N			Not funded	Pushing the Frontiers JUL22
7	NE/X013863/1	Y			Not funded	Pushing the Frontiers JUL22
7	NE/X01391X/1	N			Not funded	Pushing the Frontiers JUL22
7	NE/X014088/1	N			Not funded	Pushing the Frontiers JUL22
7	NE/X01407X/1	Y			Not funded	Pushing the Frontiers JUL22
7	NE/X013588/1	N			Not funded	Pushing the Frontiers JUL22
7	NE/X013707/1	Y			Not funded	Pushing the Frontiers JUL22
7	NE/X013626/1	Y			Not funded	Pushing the Frontiers JUL22
7	NE/X014460/1	Y			Not funded	Pushing the Frontiers JUL22

7	NE/X014479/1	Y			Not funded	Pushing the Frontiers JUL22
7	NE/X014592/1	N			Not funded	Pushing the Frontiers JUL22
7	NE/X014495/1	Y			Not funded	Pushing the Frontiers JUL22
7	NE/X014665/1	Y			Not funded	Pushing the Frontiers JUL22
7	NE/X014800/1	N			Not funded	Pushing the Frontiers JUL22
7	NE/X015483/1	Y			Not funded	Pushing the Frontiers JUL22
7	NE/X014681/1	Y			Not funded	Pushing the Frontiers JUL22
7	NE/X015068/1	Y			Not funded	Pushing the Frontiers JUL22
7	NE/X014711/1	Y			Not funded	Pushing the Frontiers JUL22
7	NE/X013480/1	Y			Not funded	Pushing the Frontiers JUL22
6	NE/X013693/1	Y			Not funded	Pushing the Frontiers JUL22
6	NE/X013812/1	Y			Not funded	Pushing the Frontiers JUL22
6	NE/X01410X/1	Y			Not funded	Pushing the Frontiers JUL22
6	NE/X014169/1	Y			Not funded	Pushing the Frontiers JUL22
6	NE/X014339/1	Y			Not funded	Pushing the Frontiers JUL22
6	NE/X014746/1	Y			Not funded	Pushing the Frontiers JUL22
6	NE/X015009/1	N			Not funded	Pushing the Frontiers JUL22
6	NE/X015149/1	Y			Not funded	Pushing the Frontiers JUL22
6	NE/X015378/1	Y			Not funded	Pushing the Frontiers JUL22
5	NE/X014517/1	Y			Not funded	Pushing the Frontiers JUL22
5	NE/X014584/1	Y			Not funded	Pushing the Frontiers JUL22
5	NE/X015203/1	Y			Not funded	Pushing the Frontiers JUL22
4	NE/X014274/1	Y			Not funded	Pushing the Frontiers JUL22
4	NE/X014312/1	Y			Not funded	Pushing the Frontiers JUL22
4	NE/X013499/1	N			Not funded	Pushing the Frontiers JUL22
4	NE/X014983/1	N			Not funded	Pushing the Frontiers JUL22
4	NE/X014967/1	Y			Not funded	Pushing the Frontiers JUL22
4	NE/X014401/1	Y			Not funded	Pushing the Frontiers JUL22
4	NE/X013928/1	Y			Not funded	Pushing the Frontiers JUL22
4	NE/X013677/1	Y			Not funded	Pushing the Frontiers JUL22
3	NE/X014207/1	Y			Not funded	Pushing the Frontiers JUL22

Panel 4

Overall Score (0-10)	Grant Reference	Lead / Sole Grant	Grant Holder	Research Organisation	Project Title	Call
9	NE/X01424X/1	Y	Amy Pedersen	University of Edinburgh	When does a supershedder become a superspreader?: The impact of individual-level heterogeneities on population-level transmission and spread	Pushing the Frontiers JUL22
9	NE/X015300/1	Y	Richard Twitchett	The Natural History Museum	The evolution of Chalk Sea ecosystems: biodiversity, resilience and ecological function in a warming world	Pushing the Frontiers JUL22
9	NE/X015386/1	N	Paul Bown	University College London	The evolution of Chalk Sea ecosystems: biodiversity, resilience and ecological function in a warming world	Pushing the Frontiers JUL22
9	NE/X014010/1	Y	Philip Mannion	University College London	Was A Cold-blooded Strategy Key To Crocodile Survival Across Mass Extinctions?	Pushing the Frontiers JUL22
9	NE/X015351/1	Y	Laura Kelly	Royal Botanic Gardens Kew	The role of structural variants in rapid adaptation	Pushing the Frontiers JUL22
9	NE/X015335/1	Y	Martin Brazeau	Imperial College London	A palaeontological solution to the origin of the vertebrate pectoral girdle	Pushing the Frontiers JUL22
8	NE/X01469X/1	Y	Mark Thomas	University College London	Why did we start Fermenting cereals? A molecular dissection of Ancient Bread and Beer making (FABB)	Pushing the Frontiers JUL22
4	NE/X013553/1	Y			Not funded	Pushing the Frontiers JUL22
4	NE/X013561/1	N			Not funded	Pushing the Frontiers JUL22
4	NE/X014266/1	Y			Not funded	Pushing the Frontiers JUL22
4	NE/X014673/1	Y			Not funded	Pushing the Frontiers JUL22
4	NE/X014797/1	N			Not funded	Pushing the Frontiers JUL22
4	NE/X014932/1	Y			Not funded	Pushing the Frontiers JUL22
5	NE/X014630/1	Y			Not funded	Pushing the Frontiers JUL22
6	NE/X01360X/1	Y			Not funded	Pushing the Frontiers JUL22

6	NE/X013669/1	Y			Not funded	Pushing the Frontiers JUL22
6	NE/X013855/1	Y			Not funded	Pushing the Frontiers JUL22
6	NE/X014029/1	Y			Not funded	Pushing the Frontiers JUL22
6	NE/X014258/1	Y			Not funded	Pushing the Frontiers JUL22
6	NE/X014371/1	Y			Not funded	Pushing the Frontiers JUL22
6	NE/X014444/1	N			Not funded	Pushing the Frontiers JUL22
6	NE/X014916/1	Y			Not funded	Pushing the Frontiers JUL22
6	NE/X014940/1	N			Not funded	Pushing the Frontiers JUL22
7	NE/X013790/1	Y			Not funded	Pushing the Frontiers JUL22
7	NE/X014185/1	Y			Not funded	Pushing the Frontiers JUL22
7	NE/X014231/1	Y			Not funded	Pushing the Frontiers JUL22
7	NE/X014622/1	Y			Not funded	Pushing the Frontiers JUL22
7	NE/X014703/1	Y			Not funded	Pushing the Frontiers JUL22
7	NE/X015319/1	Y			Not funded	Pushing the Frontiers JUL22
7	NE/X015408/1	Y			Not funded	Pushing the Frontiers JUL22