

Exploring the frontiers JUN22

Panel 1

Overall Score (0-10)	Grant Reference	Lead / Sole Grant	Grant Holder	Research Organisation	Project Title	Call
9	NE/X009416/1	Y	Simon Belt	University of Plymouth	A novel proxy for Arctic sea surface temperatures (PAST)	Exploring the frontiers JUN22
9	NE/X009807/1	Y	David Dobson	University College London	Remote Triggering of Deep Earthquakes	Exploring the frontiers JUN22
9	NE/X010120/1	Y	Marie Edmonds	University of Cambridge	Selenium in Volcanic Environments (SELVES)	Exploring the frontiers JUN22
9	NE/X010635/1	Y	Daniel Schillereff	King's College London	Testing the role of nutrient input thresholds in governing microbial-mediated carbon sequestration for temperate peatlands	Exploring the frontiers JUN22
9	NE/X011356/1	Y	Tom Dunkley Jones	University of Birmingham	Is Carbon Limitation a Driver of Phytoplankton Ecology and Evolution?	Exploring the frontiers JUN22
9	NE/X011593/1	Y	Giles Hammond	University of Glasgow	Hydro-g: Monitoring Groundwater Resources using Low-Cost Microgravity Sensors	Exploring the frontiers JUN22
9	NE/X011771/1	Y	Vasile Ersek	Northumbria University	Novel insights into the Northeast Winter Monsoon	Exploring the frontiers JUN22
9	NE/X011968/1	N	Andrew Smith	British Geological Survey	Establishing a new palaeothermometer from the speleothem archive of phosphate-oxygen isotopes	Exploring the frontiers JUN22
9	NE/X012158/1	Y	Peter Wynn	Lancaster University	Establishing a new palaeothermometer from the speleothem archive of phosphate-oxygen isotopes	Exploring the frontiers JUN22
9	NE/X013111/1	Y	Michael Benton	University of Bristol	Climate and carbon dioxide during the end-Permian hyperthermal biosphere crisis	Exploring the frontiers JUN22
8	NE/X010805/1	Y	Gareth Garmon Roberts	Imperial College London	Tracking pollutants as continua throughout the Thames drainage basin	Exploring the frontiers JUN22
8	NE/X011178/1	Y	Kieran Khamis	University of Birmingham	High Frequency Optical Fingerprinting of Urban Storm Runoff	Exploring the frontiers JUN22
8	NE/X011232/1	Y	Graham Ferrier	University of Hull	Remote quantification of soil composition characteristics using an integrated hyperspectral remote sensing approach	Exploring the frontiers JUN22
8	NE/X011259/1	Y	Eddie Dempsey	University of Hull	Barcoding Magmas: Applying Machine Learning In Zircon Geochemistry To Increase Provenance Accuracy	Exploring the frontiers JUN22
8	NE/X011496/1	Y	Eli Lazarus	University of Southampton	SIGNATURES OF RESILIENCE IN HUMAN-ALTERED COASTAL SYSTEMS	Exploring the frontiers JUN22
8	NE/X011690/1	Y	Pierre Josso	British Geological Survey	Timing and impact of variable Arctic outflow on the Atlantic Meridional Overturning Circulation	Exploring the frontiers JUN22
8	NE/X012751/1	Y	Ismael Falcon-Suarez	National Oceanography Centre	CO2 - H2 Optimisation in Rocks for Underground Storage (CHORUS)	Exploring the frontiers JUN22
8	NE/X013057/1	N	Mark Chapman	University of Edinburgh	CO2 - H2 Optimisation in Rocks for Underground Storage (CHORUS)	Exploring the frontiers JUN22
7	NE/X009718/1	Y	John MacDonald	University of Glasgow	The Mineralogical and Geochemical Processes Involved in Rapid Natural Lithification of Artificial Ground	Exploring the frontiers JUN22
7	NE/X012778/1	Y	Sandra Piazzolo	University of Leeds	Exploring the geological signature of Slow Earthquakes through legacy experiments and field analysis	Exploring the frontiers JUN22
7	NE/X012042/1	Y	Luca Mao	University of Lincoln	Deciphering the origin and geometry of freshwater tufa barrages. From process understanding to sustainable management	Exploring the frontiers JUN22
7	NE/X011208/1	Y	Benjamin Mills	University of Leeds	RIFT-CC: Rifting as a driver of long-term Climate Change	Exploring the frontiers JUN22
7	NE/X010813/1	Y	Laura Richards	The University of Manchester	Geochemical Controls on the Efficiency of Remediation Technologies for Arsenic, Fluoride & Emerging Contaminants in South Asian Groundwaters (GeoCERT)	Exploring the frontiers JUN22
7	NE/X012654/1	Y	Anna Lichtschlag	National Oceanography Centre	A novel approach to measure nutrient fluxes in permeable sediments	Exploring the frontiers JUN22
7	NE/X013278/1	Y	William Edward Newns Austin	University of St Andrews	New Insights on the Age and Climate Mitigation Significance of Shelf Sea Sedimentary Organic Carbon Stores	Exploring the frontiers JUN22
7	NE/X009572/1	Y	Helen Chappell	University of Leeds	Antibiotic chemistry in agricultural soils: modelling mineral-antibiotic interactions from first principles.	Exploring the frontiers JUN22
7	NE/X009815/1	Y	Timothy John Heaton	University of Leeds	Next-generation radiocarbon calibration: Incorporating information on calibration curve covariance	Exploring the frontiers JUN22
7	NE/X012867/1	Y			Not funded	Exploring the frontiers JUN22
7	NE/X011712/1	Y			Not funded	Exploring the frontiers JUN22
7	NE/X011143/1	Y			Not funded	Exploring the frontiers JUN22
7	NE/X01133X/1	Y			Not funded	Exploring the frontiers JUN22
7	NE/X012786/1	Y			Not funded	Exploring the frontiers JUN22
7	NE/X009785/1	Y			Not funded	Exploring the frontiers JUN22
7	NE/X012441/1	Y			Not funded	Exploring the frontiers JUN22
7	NE/X011216/1	Y			Not funded	Exploring the frontiers JUN22
6	NE/X009769/1	Y			Not funded	Exploring the frontiers JUN22
6	NE/X009939/1	N			Not funded	Exploring the frontiers JUN22
6	NE/X009912/1	Y			Not funded	Exploring the frontiers JUN22
6	NE/X009955/1	Y			Not funded	Exploring the frontiers JUN22
6	NE/X010767/1	N			Not funded	Exploring the frontiers JUN22
6	NE/X01018X/1	Y			Not funded	Exploring the frontiers JUN22
6	NE/X010279/1	Y			Not funded	Exploring the frontiers JUN22
6	NE/X010686/1	Y			Not funded	Exploring the frontiers JUN22
6	NE/X011097/1	Y			Not funded	Exploring the frontiers JUN22
6	NE/X011100/1	Y			Not funded	Exploring the frontiers JUN22
6	NE/X011119/1	Y			Not funded	Exploring the frontiers JUN22
6	NE/X011186/1	Y			Not funded	Exploring the frontiers JUN22

6	NE/X011194/1	Y			Not funded	Exploring the frontiers JUN22
6	NE/X011666/1	Y			Not funded	Exploring the frontiers JUN22
6	NE/X012115/1	Y			Not funded	Exploring the frontiers JUN22
6	NE/X012182/1	Y			Not funded	Exploring the frontiers JUN22
6	NE/X012247/1	Y			Not funded	Exploring the frontiers JUN22
6	NE/X012417/1	N			Not funded	Exploring the frontiers JUN22
6	NE/X01245X/1	Y			Not funded	Exploring the frontiers JUN22
6	NE/X012565/1	Y			Not funded	Exploring the frontiers JUN22
6	NE/X012638/1	Y			Not funded	Exploring the frontiers JUN22
6	NE/X013189/1	Y			Not funded	Exploring the frontiers JUN22
5	NE/X009726/1	Y			Not funded	Exploring the frontiers JUN22
5	NE/X011399/1	Y			Not funded	Exploring the frontiers JUN22
5	NE/X012166/1	Y			Not funded	Exploring the frontiers JUN22
5	NE/X012832/1	Y			Not funded	Exploring the frontiers JUN22
5	NE/X013324/1	Y			Not funded	Exploring the frontiers JUN22
4	NE/X00970X/1	Y			Not funded	Exploring the frontiers JUN22
4	NE/X009882/1	Y			Not funded	Exploring the frontiers JUN22
4	NE/X010007/1	Y			Not funded	Exploring the frontiers JUN22
4	NE/X010082/1	Y			Not funded	Exploring the frontiers JUN22
4	NE/X010589/1	Y			Not funded	Exploring the frontiers JUN22
4	NE/X010651/1	Y			Not funded	Exploring the frontiers JUN22
4	NE/X010988/1	Y			Not funded	Exploring the frontiers JUN22
4	NE/X01116X/1	Y			Not funded	Exploring the frontiers JUN22
4	NE/X011224/1	Y			Not funded	Exploring the frontiers JUN22
4	NE/X012212/1	N			Not funded	Exploring the frontiers JUN22
4	NE/X011739/1	Y			Not funded	Exploring the frontiers JUN22
4	NE/X011844/1	Y			Not funded	Exploring the frontiers JUN22
4	NE/X012484/1	Y			Not funded	Exploring the frontiers JUN22
4	NE/X012530/1	Y			Not funded	Exploring the frontiers JUN22
4	NE/X012131/1	N			Not funded	Exploring the frontiers JUN22
4	NE/X012557/1	Y			Not funded	Exploring the frontiers JUN22
4	NE/X012573/1	Y			Not funded	Exploring the frontiers JUN22
4	NE/X012840/1	Y			Not funded	Exploring the frontiers JUN22
4	NE/X012905/1	Y			Not funded	Exploring the frontiers JUN22
4	NE/X012972/1	Y			Not funded	Exploring the frontiers JUN22
4	NE/X013170/1	Y			Not funded	Exploring the frontiers JUN22
4	NE/X013383/1	Y			Not funded	Exploring the frontiers JUN22
3	NE/X011011/1	Y			Not funded	Exploring the frontiers JUN22
3	NE/X012646/1	Y			Not funded	Exploring the frontiers JUN22
3	NE/X01312X/1	N			Not funded	Exploring the frontiers JUN22
0	NE/X009858/1	Y			Not discussed at panel	Exploring the frontiers JUN22
0	NE/X010147/1	Y			Not discussed at panel	Exploring the frontiers JUN22
0	NE/X011542/1	Y			Not discussed at panel	Exploring the frontiers JUN22
0	NE/X013146/1	Y			Not discussed at panel	Exploring the frontiers JUN22

Panel 2

Overall Score (0-10)	Grant Reference	Lead / Sole Grant	Grant Holder	Research Organisation	Project Title	Call
9	NE/X009947/1	Y	John Hillier	Loughborough University	Exploring co-occurring UK HYDRo-meteorological extremes that exacerbate risk (HYDRA)	Exploring the frontiers JUN22
9	NE/X010112/1	Y	Chris Stopford	University of Hertfordshire	Application of novel atmospheric measurement technology to wider environmental monitoring	Exploring the frontiers JUN22
9	NE/X010198/1	Y	Gordon McFiggans	The University of Manchester	Exploring the Toxicity of Secondary Organic Aerosol formed from Atmospheric Oxidation of Pesticides	Exploring the frontiers JUN22
9	NE/X010783/1	Y	Kevin Flynn	Plymouth Marine Laboratory	Simulating Plankton - getting it right in the era of Digital Twins of The Ocean	Exploring the frontiers JUN22
9	NE/X011054/1	Y	Michael Herzog	University of Cambridge	Constraining electrification in volcanic plumes through numerical simulation (FIASHPlume)	Exploring the frontiers JUN22

9	NE/X011283/1	Y	Rachael Rhodes	University of Cambridge	Continuous-depth analysis of soluble greenhouse gases in ice cores	Exploring the frontiers JUN22
9	NE/X011348/1	N	Thomas Bauska	NERC British Antarctic Survey	Continuous-depth analysis of soluble greenhouse gases in ice cores	Exploring the frontiers JUN22
9	NE/X011372/1	Y	Robert Arthern	NERC British Antarctic Survey	Fracture: At the frontier of Antarctica's contribution to sea level	Exploring the frontiers JUN22
9	NE/X011933/1	Y	Amanda Maycock	University of Leeds	Did the 2022 strong polar vortex make serial extratropical cyclone clustering more likely? (StratClust)	Exploring the frontiers JUN22
9	NE/X011976/1	Y	Rebecca Fisher	Royal Holloway, Univ of London	New ways of measuring atmospheric hydrogen: paving the way for hydrogen leak quantification	Exploring the frontiers JUN22
9	NE/X012727/1	Y	Jamie Hannaford	UK Centre for Ecology & Hydrology	Indicators to Impacts for drought Surveillance and management (IRIS)	Exploring the frontiers JUN22
9	NE/X01309X/1	Y	Aditee Mitra	Cardiff University	Offensive Sea-Snot	Exploring the frontiers JUN22
8	NE/X009483/1	Y	Katy Sheen	University of Exeter	Can you hear marine snow falling?	Exploring the frontiers JUN22
8	NE/X009491/1	N	Sarah Lou Carolin Giering	National Oceanography Centre	Can you hear marine snow falling?	Exploring the frontiers JUN22
8	NE/X00953X/1	N	Sophie Fielding	NERC British Antarctic Survey	Can you hear marine snow falling?	Exploring the frontiers JUN22
8	NE/X010848/1	Y	Daniel Mitchard	Cardiff University	Replicating stratospheric lightning phenomena (Jets) within the laboratory	Exploring the frontiers JUN22
8	NE/X012174/1	Y	Paul Connolly	The University of Manchester	Exploring 3D nano-scale printed ice analogues in Atmospheric Science (E3DP-IANAS)	Exploring the frontiers JUN22
8	NE/X012255/1	Y	Edward Gryspeerdt	Imperial College London	REconstructing Cloud Fields in 4D (RECFI-4D)	Exploring the frontiers JUN22
7	NE/X010201/1	Y	Jeanette Rotchell	University of Hull	Development of the first global standard for airborne microplastic monitoring.	Exploring the frontiers JUN22
7	NE/X012239/1	Y	Daniel Stone	University of Leeds	Reducing uncertainties in OH radical measurements using an absolute optical technique	Exploring the frontiers JUN22
7	NE/X012298/1	Y	David Birch	University of Surrey	A solid-state concentration sensor for wind tunnel dispersion measurement	Exploring the frontiers JUN22
7	NE/X012670/1	Y	Jeremy Harrison	University of Leicester	Spectroscopy Of PHOsgene for evaluating the injection of ChLorine into the Earth's Stratosphere (SOPHOCLES)	Exploring the frontiers JUN22
7	NE/X010473/1	Y	Suzanne Gray	University of Reading	A global climatology of sting-jet cyclones	Exploring the frontiers JUN22
7	NE/X011410/1	Y	Heather Graven	Imperial College London	Atmospheric Observation-based Evaluation of Fossil Fuel CO2 Emissions in London	Exploring the frontiers JUN22
7	NE/X013081/1	Y	Benjamin Murray	University of Leeds	A microfluidic device for quantification of atmospheric ice-nucleating particles (FluidIce)	Exploring the frontiers JUN22
7	NE/X01004X/1	Y	Gregor Leckebusch	University of Birmingham	Exploring the boundary of skilful seasonal forecasts for extreme storms over the North-Atlantic (EX-Storms)	Exploring the frontiers JUN22
7	NE/X010252/1	Y	Adrian New	National Oceanography Centre	LEGACY: Labrador Current Governs North Atlantic Climate System?	Exploring the frontiers JUN22
7	NE/X011925/1	N	Arnaud Czaja	Imperial College London	LEGACY: Labrador Current Governs North Atlantic Climate System?	Exploring the frontiers JUN22
7	NE/X012360/1	Y	Rowena Stern	Marine Biological Association	Understanding trophic links between marine plankton to consumers to improve assessments of UK pelagic habitats	Exploring the frontiers JUN22
7	NE/X009750/1	Y			Not funded	Exploring the frontiers JUN22
7	NE/X011380/1	Y			Not funded	Exploring the frontiers JUN22
7	NE/X011429/1	N			Not funded	Exploring the frontiers JUN22
7	NE/X010724/1	Y			Not funded	Exploring the frontiers JUN22
7	NE/X01195X/1	Y			Not funded	Exploring the frontiers JUN22
7	NE/X013235/1	Y			Not funded	Exploring the frontiers JUN22
7	NE/X013103/1	Y			Not funded	Exploring the frontiers JUN22
7	NE/X013391/1	Y			Not funded	Exploring the frontiers JUN22
7	NE/X012271/1	Y			Not funded	Exploring the frontiers JUN22
7	NE/X012964/1	N			Not funded	Exploring the frontiers JUN22
7	NE/X010066/1	Y			Not funded	Exploring the frontiers JUN22
7	NE/X010228/1	N			Not funded	Exploring the frontiers JUN22
6	NE/X009300/1	Y			Not funded	Exploring the frontiers JUN22
6	NE/X009467/1	Y			Not funded	Exploring the frontiers JUN22
6	NE/X009521/1	Y			Not funded	Exploring the frontiers JUN22
6	NE/X009556/1	Y			Not funded	Exploring the frontiers JUN22
6	NE/X009874/1	Y			Not funded	Exploring the frontiers JUN22
6	NE/X010015/1	Y			Not funded	Exploring the frontiers JUN22
6	NE/X010090/1	Y			Not funded	Exploring the frontiers JUN22
6	NE/X010260/1	Y			Not funded	Exploring the frontiers JUN22
6	NE/X010457/1	Y			Not funded	Exploring the frontiers JUN22
6	NE/X010600/1	Y			Not funded	Exploring the frontiers JUN22
6	NE/X010716/1	N			Not funded	Exploring the frontiers JUN22
6	NE/X010643/1	Y			Not funded	Exploring the frontiers JUN22
6	NE/X010759/1	Y			Not funded	Exploring the frontiers JUN22
6	NE/X011089/1	Y			Not funded	Exploring the frontiers JUN22
6	NE/X011127/1	Y			Not funded	Exploring the frontiers JUN22
6	NE/X011437/1	Y			Not funded	Exploring the frontiers JUN22
6	NE/X011453/1	Y			Not funded	Exploring the frontiers JUN22
6	NE/X011852/1	N			Not funded	Exploring the frontiers JUN22

6	NE/X011828/1	Y			Not funded	Exploring the frontiers JUN22
6	NE/X011879/1	Y			Not funded	Exploring the frontiers JUN22
6	NE/X011992/1	Y			Not funded	Exploring the frontiers JUN22
6	NE/X012069/1	Y			Not funded	Exploring the frontiers JUN22
6	NE/X012093/1	Y			Not funded	Exploring the frontiers JUN22
6	NE/X012689/1	Y			Not funded	Exploring the frontiers JUN22
6	NE/X013472/1	N			Not funded	Exploring the frontiers JUN22
6	NE/X012794/1	Y			Not funded	Exploring the frontiers JUN22
6	NE/X012999/1	Y			Not funded	Exploring the frontiers JUN22
5	NE/X010074/1	Y			Not funded	Exploring the frontiers JUN22
5	NE/X012263/1	N			Not funded	Exploring the frontiers JUN22
5	NE/X010708/1	Y			Not funded	Exploring the frontiers JUN22
5	NE/X012425/1	Y			Not funded	Exploring the frontiers JUN22
5	NE/X01276X/1	N			Not funded	Exploring the frontiers JUN22
5	NE/X013138/1	Y			Not funded	Exploring the frontiers JUN22
4	NE/X009688/1	Y			Not funded	Exploring the frontiers JUN22
4	NE/X010023/1	Y			Not funded	Exploring the frontiers JUN22
4	NE/X010244/1	Y			Not funded	Exploring the frontiers JUN22
4	NE/X010376/1	Y			Not funded	Exploring the frontiers JUN22
4	NE/X010414/1	Y			Not funded	Exploring the frontiers JUN22
4	NE/X010422/1	Y			Not funded	Exploring the frontiers JUN22
4	NE/X011046/1	Y			Not funded	Exploring the frontiers JUN22
4	NE/X01150X/1	Y			Not funded	Exploring the frontiers JUN22
4	NE/X011631/1	Y			Not funded	Exploring the frontiers JUN22
4	NE/X011917/1	N			Not funded	Exploring the frontiers JUN22
4	NE/X012301/1	Y			Not funded	Exploring the frontiers JUN22
4	NE/X012344/1	Y			Not funded	Exploring the frontiers JUN22
4	NE/X012409/1	Y			Not funded	Exploring the frontiers JUN22
4	NE/X01262X/1	Y			Not funded	Exploring the frontiers JUN22
4	NE/X012956/1	Y			Not funded	Exploring the frontiers JUN22
4	NE/X013200/1	Y			Not funded	Exploring the frontiers JUN22
4	NE/X013294/1	Y			Not funded	Exploring the frontiers JUN22
3	NE/X010864/1	Y			Not funded	Exploring the frontiers JUN22
3	NE/X01097X/1	Y			Not funded	Exploring the frontiers JUN22
3	NE/X011062/1	Y			Not funded	Exploring the frontiers JUN22
3	NE/X011895/1	Y			Not funded	Exploring the frontiers JUN22
3	NE/X012824/1	Y			Not funded	Exploring the frontiers JUN22
3	NE/X013030/1	Y			Not funded	Exploring the frontiers JUN22
	NE/X012549/1	N			Not discussed at panel	Exploring the frontiers JUN22
	NE/X012123/1	N			Not discussed at panel	Exploring the frontiers JUN22

Panel 3

Overall Score (0-10)	Grant Reference	Lead / Sole Grant	Grant Holder	Research Organisation	Project Title	Call
9	NE/X012492/1	Y	Samantha Patrick	University of Liverpool	High throughput simultaneous tracking of seabirds to elucidate the environmental drivers of intraspecific competition	Exploring the frontiers JUN22
9	NE/X011550/1	Y	Liam Dougherty	University of Liverpool	QUANTIFYING FERTILITY LOSS AT HIGH TEMPERATURE ACROSS THE ANIMAL KINGDOM	Exploring the frontiers JUN22
9	NE/X011518/1	Y	Phillip Fenberg	University of Southampton	CryptoBioVision: Applying Computer Vision for Cryptic Species Discovery	Exploring the frontiers JUN22
9	NE/X012603/1	Y	Charlotte Brassey	Manchester Metropolitan University	Uncovering the primate clitoris	Exploring the frontiers JUN22
9	NE/X011526/1	Y	Imran Rahman	The Natural History Museum	Quantifying Tiering of Marine Animal Forests Through Deep Time	Exploring the frontiers JUN22
9	NE/X012859/1	Y	Alexander Dunhill	University of Leeds	ECOSYSTEM RECOVERY FOLLOWING THE PERMO-TRIASSIC MASS EXTINCTION	Exploring the frontiers JUN22
9	NE/X010597/1	Y	Fredric Windsor	Cardiff University	NETFRESH: Networking the response of freshwater ecosystems to environmental change	Exploring the frontiers JUN22
9	NE/X012395/1	Y	Ryan Felice	University College London	The Effect Of Body Size On The Origin And Diversification Of Birds	Exploring the frontiers JUN22
9	NE/X010929/1	Y	Nicholas Cutler	Newcastle University	Investigating the early human settlement of Iceland with ancient soil DNA	Exploring the frontiers JUN22

9	NE/X010856/1	Y	Rhiannon Stevens	University College London	Archaeo-Zn: Expanding the prospects of zinc isotopes as palaeodietary and palaeoenvironmental proxies	Exploring the frontiers JUN22
9	NE/X013022/1	Y	Richard Twitchett	The Natural History Museum	Closing the temporal gap: ecological responses to past extinction events	Exploring the frontiers JUN22
9	NE/X012980/1	Y	Kate Britton	University of Aberdeen	Determining vitamin D status in precontact Western Alaska: a new method for exploring past health and dietary adaptations to high-latitude living	Exploring the frontiers JUN22
9	NE/X009998/1	Y	Rebecca Spake	University of Reading	Transferable Ecology for a changing world (TREE)	Exploring the frontiers JUN22
9	NE/X009742/1	Y	Colin Brownlee	Marine Biological Association	New approaches for understanding group-specific phytoplankton photosynthesis in mixed populations	Exploring the frontiers JUN22
8	NE/X010368/1	Y	Isabella Capellini	Queen's University of Belfast	Sleep in the landscape of fear	Exploring the frontiers JUN22
8	NE/X012921/1	Y	Roel Brienen	University of Leeds	Hydrogen isotopes in lignin: a new proxy for the Amazon hydrological cycle?	Exploring the frontiers JUN22
8	NE/X013227/1	Y	David Fisher	University of Aberdeen	The evolution and plasticity of social networks traits	Exploring the frontiers JUN22
8	NE/X013308/1	Y	Kayleigh Ann Rose	Swansea University	Novel application of CO2 sensor technology for breath-by-breath assessment of stress and energetics in unrestrained free-living animals	Exploring the frontiers JUN22
7	NE/X00967X/1	N	Gavin Stewart	Newcastle University	Biodiversity indicators from nonprobability samples: Interdisciplinary learning for science and society	Exploring the frontiers JUN22
7	NE/X010384/1	Y	Oliver Pescott	UK Centre for Ecology & Hydrology	Biodiversity indicators from nonprobability samples: Interdisciplinary learning for science and society	Exploring the frontiers JUN22
7	NE/X011798/1	Y	Kirsty Edgar	University of Birmingham	Building a quantitative framework to measure the "scientific value" of fossils	Exploring the frontiers JUN22
7	NE/X012514/1	Y	Theresa Rueger	Newcastle University	Exploring eusociality in a marine vertebrate- relatedness, dispersal and population connectivity in <i>Risor ruber</i>	Exploring the frontiers JUN22
7	NE/X010937/1	Y	Kerry Howell	University of Plymouth	Towards net zero: development of AI enabled biological observing	Exploring the frontiers JUN22
7	NE/X013332/1	Y	Katharina Dehnen-Schmutz	Coventry University	Recording impacts of invasive species through citizen science: a pilot study	Exploring the frontiers JUN22
7	NE/X013375/1	Y	Emily Shepard	Swansea University	Modelling seabird breeding habitat selection	Exploring the frontiers JUN22
7	NE/X012697/1	Y	James Bull	Swansea University	Bench to benthos - predicting ecological community assembly using seagrass restoration	Exploring the frontiers JUN22
7	NE/X010430/1	Y			Not funded	Exploring the frontiers JUN22
7	NE/X011364/1	Y			Not funded	Exploring the frontiers JUN22
7	NE/X012352/1	Y			Not funded	Exploring the frontiers JUN22
7	NE/X009629/1	Y			Not funded	Exploring the frontiers JUN22
7	NE/X011623/1	Y			Not funded	Exploring the frontiers JUN22
7	NE/X011321/1	Y			Not funded	Exploring the frontiers JUN22
7	NE/X013154/1	Y			Not funded	Exploring the frontiers JUN22
7	NE/X012948/1	Y			Not funded	Exploring the frontiers JUN22
7	NE/X013367/1	Y			Not funded	Exploring the frontiers JUN22
7	NE/X010139/1	Y			Not funded	Exploring the frontiers JUN22
7	NE/X010317/1	Y			Not funded	Exploring the frontiers JUN22
6	NE/X009564/1	Y			Not funded	Exploring the frontiers JUN22
6	NE/X009831/1	Y			Not funded	Exploring the frontiers JUN22
6	NE/X010031/1	Y			Not funded	Exploring the frontiers JUN22
6	NE/X010341/1	Y			Not funded	Exploring the frontiers JUN22
6	NE/X010406/1	Y			Not funded	Exploring the frontiers JUN22
6	NE/X010880/1	N			Not funded	Exploring the frontiers JUN22
6	NE/X010481/1	Y			Not funded	Exploring the frontiers JUN22
6	NE/X011313/1	Y			Not funded	Exploring the frontiers JUN22
6	NE/X011577/1	Y			Not funded	Exploring the frontiers JUN22
6	NE/X011674/1	Y			Not funded	Exploring the frontiers JUN22
6	NE/X011755/1	Y			Not funded	Exploring the frontiers JUN22
6	NE/X01178X/1	Y			Not funded	Exploring the frontiers JUN22
6	NE/X011984/1	Y			Not funded	Exploring the frontiers JUN22
6	NE/X012085/1	Y			Not funded	Exploring the frontiers JUN22
6	NE/X012522/1	Y			Not funded	Exploring the frontiers JUN22
6	NE/X01293X/1	Y			Not funded	Exploring the frontiers JUN22
6	NE/X013065/1	Y			Not funded	Exploring the frontiers JUN22
5	NE/X009963/1	Y			Not funded	Exploring the frontiers JUN22
5	NE/X00998X/1	Y			Not funded	Exploring the frontiers JUN22
5	NE/X01021X/1	Y			Not funded	Exploring the frontiers JUN22
5	NE/X010538/1	Y			Not funded	Exploring the frontiers JUN22
5	NE/X009866/1	N			Not funded	Exploring the frontiers JUN22
5	NE/X010678/1	Y			Not funded	Exploring the frontiers JUN22
5	NE/X011275/1	Y			Not funded	Exploring the frontiers JUN22
5	NE/X011488/1	Y			Not funded	Exploring the frontiers JUN22

5	NE/X011704/1	Y			Not funded	Exploring the frontiers JUN22
5	NE/X012336/1	Y			Not funded	Exploring the frontiers JUN22
5	NE/X012468/1	Y			Not funded	Exploring the frontiers JUN22
5	NE/X013014/1	Y			Not funded	Exploring the frontiers JUN22
5	NE/X013197/1	Y			Not funded	Exploring the frontiers JUN22
4	NE/X009610/1	Y			Not funded	Exploring the frontiers JUN22
4	NE/X009548/1	N			Not funded	Exploring the frontiers JUN22
4	NE/X009661/1	Y			Not funded	Exploring the frontiers JUN22
4	NE/X010058/1	Y			Not funded	Exploring the frontiers JUN22
4	NE/X010155/1	Y			Not funded	Exploring the frontiers JUN22
4	NE/X010287/1	Y			Not funded	Exploring the frontiers JUN22
4	NE/X010309/1	Y			Not funded	Exploring the frontiers JUN22
4	NE/X010511/1	Y			Not funded	Exploring the frontiers JUN22
4	NE/X01052X/1	Y			Not funded	Exploring the frontiers JUN22
4	NE/X01214X/1	N			Not funded	Exploring the frontiers JUN22
4	NE/X010546/1	Y			Not funded	Exploring the frontiers JUN22
4	NE/X010740/1	Y			Not funded	Exploring the frontiers JUN22
4	NE/X01083X/1	Y			Not funded	Exploring the frontiers JUN22
4	NE/X010872/1	Y			Not funded	Exploring the frontiers JUN22
4	NE/X010945/1	Y			Not funded	Exploring the frontiers JUN22
4	NE/X011445/1	Y			Not funded	Exploring the frontiers JUN22
4	NE/X01164X/1	Y			Not funded	Exploring the frontiers JUN22
4	NE/X011682/1	Y			Not funded	Exploring the frontiers JUN22
4	NE/X011836/1	Y			Not funded	Exploring the frontiers JUN22
4	NE/X011909/1	Y			Not funded	Exploring the frontiers JUN22
4	NE/X01200X/1	Y			Not funded	Exploring the frontiers JUN22
4	NE/X01231X/1	Y			Not funded	Exploring the frontiers JUN22
4	NE/X012719/1	Y			Not funded	Exploring the frontiers JUN22
4	NE/X012743/1	Y			Not funded	Exploring the frontiers JUN22
4	NE/X012875/1	Y			Not funded	Exploring the frontiers JUN22
4	NE/X013286/1	Y			Not funded	Exploring the frontiers JUN22
3	NE/X010821/1	Y			Not funded	Exploring the frontiers JUN22
3	NE/X011003/1	Y			Not funded	Exploring the frontiers JUN22

Panel 4

Overall Score (0-10)	Grant Reference	Lead / Sole Grant	Grant Holder	Research Organisation	Project Title	Call
9	NE/X010899/1	Y	Simon Martin	University of Edinburgh	Direct inference of recombination landscapes from single individuals	Exploring the frontiers JUN22
9	NE/X012387/1	Y	Stuart Wigby	University of Liverpool	How do female insects get switched on to reproduction?	Exploring the frontiers JUN22
9	NE/X012891/1	Y	Maya Al-Sid-Cheikh	University of Surrey	UNSEEN: Are unseen plastic particles in the global ocean already beyond the "no-effect" concentrations?	Exploring the frontiers JUN22
9	NE/X012018/1	Y	Jelle Boonekamp	University of Glasgow	Causes and consequences of parental age effects on offspring quality	Exploring the frontiers JUN22
9	NE/X01049X/1	Y	Sarah Perkins	Cardiff University	ArtiFISHal Intelligence: merging technology and ecology to understand infectious disease dynamics	Exploring the frontiers JUN22
9	NE/X009734/1	Y	Alison Wright	University of Sheffield	Genomic basis of honest sexual signalling	Exploring the frontiers JUN22
9	NE/X011763/1	Y	Sharon Zytynska	University of Liverpool	Impact of plant-beneficial soil microbes on aboveground parasitism of insect herbivores	Exploring the frontiers JUN22
9	NE/X012433/1	N	Angharad Gatehouse	Newcastle University	Impact of plant-beneficial soil microbes on aboveground parasitism of insect herbivores	Exploring the frontiers JUN22
9	NE/X009920/1	N	Benny Chain	University College London	Using immune cell repertoires to identify pathogen threats	Exploring the frontiers JUN22
9	NE/X010295/1	Y	Mark Viney	University of Liverpool	Using immune cell repertoires to identify pathogen threats	Exploring the frontiers JUN22
9	NE/X009637/1	Y	Matteo Fumagalli	Queen Mary University of London	Generative adversarial networks for demographic inferences of nonmodel species from genomic data	Exploring the frontiers JUN22
9	NE/X012204/1	Y	Joe Taylor	UK Centre for Ecology & Hydrology	Integrating top-down control by parasitic protists and fungi into the ecological dynamics of freshwater phytoplankton blooms	Exploring the frontiers JUN22
9	NE/X010171/1	Y	Ailsa McLean	University of Oxford	Male-killing symbiosis across a predator-prey interaction: a genomic and experimental approach	Exploring the frontiers JUN22
9	NE/X009971/1	Y	Ellie Harrison	University of Sheffield	The role of evolutionary refinement in horizontal gene transfer of rhizobial symbiosis genes	Exploring the frontiers JUN22
9	NE/X010503/1	Y	Christopher Howe	University of Cambridge	Development of novel genetic tools for studying dinoflagellates and coral bleaching	Exploring the frontiers JUN22

9	NE/X010333/1	Y	Charles Tyler	University of Exeter	Developing novel models to understand threats from Vibrio pathogens for safeguarding aquatic food supply under future climates	Exploring the frontiers JUN22
9	NE/X010902/1	Y	Ronan McCarthy	Brunel University London	Using synthetic biology to manipulate bacterial social behaviours to maximise the microbial degradation of environmental waste plastics.	Exploring the frontiers JUN22
9	NE/X012476/1	Y	Jonathan Ball	University of Nottingham	Virus sequencing of museum mammal specimens to define environmental and anthropogenic drivers of virus ecology and to understand disease outbreaks.	Exploring the frontiers JUN22
9	NE/X012077/1	Y	Christophe Eizaguirre	Queen Mary University of London	DNA-methylation to improve conservation of TSD species	Exploring the frontiers JUN22
9	NE/X011135/1	Y	David Johnson	The University of Manchester	Functioning of soil food webs in response to woodland expansion	Exploring the frontiers JUN22
9	NE/X012662/1	Y	Danna Gifford	The University of Manchester	Life on the 'mild' side: adaptation of an extremophile archaeon to a mesophilic lifestyle	Exploring the frontiers JUN22
9	NE/X011747/1	Y	Daniel Streicker	University of Glasgow	Advancing genetic tools to understand individual heterogeneity in wildlife-virus interactions	Exploring the frontiers JUN22
9	NE/X009424/1	Y	Mark Pagel	University of Reading	The capacity for sustained adaptation in a rapidly changing environment	Exploring the frontiers JUN22
9	NE/X011585/1	Y	Christophe Lambing	Rothamsted Research	Meiotic recombination: how has this adaptive and evolutionary force been influenced by domestication and selective breeding?	Exploring the frontiers JUN22
9	NE/X011607/1	Y	Kirsty Shaw	Manchester Metropolitan University	BloomSafe: Developing a cost-effective, rapid and portable diagnostic tool for the detection of toxins resulting from algal blooms	Exploring the frontiers JUN22
7	NE/X011461/1	Y	Ozge Eyice-Broadbent	Queen Mary University of London	Towards an understanding of methylo trophic methane production in anoxic coastal sediments	Exploring the frontiers JUN22
7	NE/X009904/1	Y	Pedro Vale	University of Edinburgh	What makes a super-spreader? The genetic architecture and evolutionary constraints on host heterogeneity in pathogen transmission	Exploring the frontiers JUN22
7	NE/X011941/1	Y			Not funded	Exploring the frontiers JUN22
7	NE/X009645/1	Y			Not funded	Exploring the frontiers JUN22
7	NE/X010627/1	Y			Not funded	Exploring the frontiers JUN22
7	NE/X009475/1	Y			Not funded	Exploring the frontiers JUN22
7	NE/X009505/1	Y			Not funded	Exploring the frontiers JUN22
7	NE/X009890/1	Y			Not funded	Exploring the frontiers JUN22
7	NE/X010694/1	N			Not funded	Exploring the frontiers JUN22
7	NE/X013243/1	N			Not funded	Exploring the frontiers JUN22
7	NE/X011860/1	Y			Not funded	Exploring the frontiers JUN22
7	NE/X011070/1	Y			Not funded	Exploring the frontiers JUN22
7	NE/X013006/1	Y			Not funded	Exploring the frontiers JUN22
7	NE/X009777/1	Y			Not funded	Exploring the frontiers JUN22
7	NE/X013162/1	Y			Not funded	Exploring the frontiers JUN22
7	NE/X009513/1	Y			Not funded	Exploring the frontiers JUN22
7	NE/X011305/1	Y			Not funded	Exploring the frontiers JUN22
7	NE/X010775/1	Y			Not funded	Exploring the frontiers JUN22
7	NE/X010465/1	Y			Not funded	Exploring the frontiers JUN22
7	NE/X01035X/1	Y			Not funded	Exploring the frontiers JUN22
7	NE/X013359/1	Y			Not funded	Exploring the frontiers JUN22
6	NE/X010554/1	Y			Not funded	Exploring the frontiers JUN22
6	NE/X010619/1	Y			Not funded	Exploring the frontiers JUN22
6	NE/X010953/1	Y			Not funded	Exploring the frontiers JUN22
6	NE/X010996/1	Y			Not funded	Exploring the frontiers JUN22
6	NE/X011151/1	Y			Not funded	Exploring the frontiers JUN22
6	NE/X011240/1	Y			Not funded	Exploring the frontiers JUN22
6	NE/X011267/1	Y			Not funded	Exploring the frontiers JUN22
6	NE/X011720/1	Y			Not funded	Exploring the frontiers JUN22
6	NE/X012026/1	Y			Not funded	Exploring the frontiers JUN22
6	NE/X012034/1	Y			Not funded	Exploring the frontiers JUN22
6	NE/X012050/1	Y			Not funded	Exploring the frontiers JUN22
6	NE/X012107/1	Y			Not funded	Exploring the frontiers JUN22
6	NE/X012328/1	N			Not funded	Exploring the frontiers JUN22
6	NE/X012808/1	N			Not funded	Exploring the frontiers JUN22
6	NE/X012379/1	Y			Not funded	Exploring the frontiers JUN22
6	NE/X012506/1	Y			Not funded	Exploring the frontiers JUN22
6	NE/X012581/1	Y			Not funded	Exploring the frontiers JUN22
6	NE/X013073/1	Y			Not funded	Exploring the frontiers JUN22
6	NE/X013316/1	Y			Not funded	Exploring the frontiers JUN22
7	NE/X009696/1	Y			Not funded	Exploring the frontiers JUN22

5	NE/X009432/1	Y			Not funded	Exploring the frontiers JUN22
5	NE/X009823/1	Y			Not funded	Exploring the frontiers JUN22
5	NE/X010570/1	Y			Not funded	Exploring the frontiers JUN22
5	NE/X01066X/1	Y			Not funded	Exploring the frontiers JUN22
5	NE/X01147X/1	Y			Not funded	Exploring the frontiers JUN22
5	NE/X011534/1	N			Not funded	Exploring the frontiers JUN22
5	NE/X011569/1	Y			Not funded	Exploring the frontiers JUN22
5	NE/X01181X/1	Y			Not funded	Exploring the frontiers JUN22
5	NE/X011887/1	Y			Not funded	Exploring the frontiers JUN22
5	NE/X012220/1	Y			Not funded	Exploring the frontiers JUN22
5	NE/X012700/1	Y			Not funded	Exploring the frontiers JUN22
5	NE/X012883/1	Y			Not funded	Exploring the frontiers JUN22
5	NE/X013340/1	Y			Not funded	Exploring the frontiers JUN22
4	NE/X009327/1	Y			Not funded	Exploring the frontiers JUN22
4	NE/X010104/1	Y			Not funded	Exploring the frontiers JUN22
4	NE/X010163/1	Y			Not funded	Exploring the frontiers JUN22
4	NE/X010325/1	Y			Not funded	Exploring the frontiers JUN22
4	NE/X010392/1	Y			Not funded	Exploring the frontiers JUN22
4	NE/X010449/1	Y			Not funded	Exploring the frontiers JUN22
4	NE/X010910/1	Y			Not funded	Exploring the frontiers JUN22
4	NE/X01102X/1	N			Not funded	Exploring the frontiers JUN22
4	NE/X011038/1	Y			Not funded	Exploring the frontiers JUN22
4	NE/X011291/1	N			Not funded	Exploring the frontiers JUN22
4	NE/X011402/1	N			Not funded	Exploring the frontiers JUN22
4	NE/X011615/1	Y			Not funded	Exploring the frontiers JUN22
4	NE/X011658/1	Y			Not funded	Exploring the frontiers JUN22
4	NE/X011801/1	Y			Not funded	Exploring the frontiers JUN22
4	NE/X012190/1	Y			Not funded	Exploring the frontiers JUN22
4	NE/X01259X/1	Y			Not funded	Exploring the frontiers JUN22
4	NE/X012611/1	Y			Not funded	Exploring the frontiers JUN22
4	NE/X013049/1	Y			Not funded	Exploring the frontiers JUN22
3	NE/X009580/1	Y			Not funded	Exploring the frontiers JUN22