

January 2019 – Panel A

Rank	Overall Score (0-10)	Grant Reference	Lead / Sole Grant	Grant Holder	Research Organisation	Project Title	Call
1	9	NE/T000228/1	Y	Christopher Davies	University of Leeds	Resolving the Inner Core Nucleation Paradox	Standard Grant - NI JAN19
2	9	NE/T000392/1	Y	Barry Harvey Lomax	University of Nottingham	Solar irradiance and vegetation dynamics at the K/Pg boundary.	Standard Grant JAN19
3	9	NE/T001518/1	Y	Pieter Vermeesch	University College London	Beyond Isoplot: new software for better geochronology.	Standard Grant JAN19
4	8	NE/T001372/1	Y	Teh-Ru Alex Song	University College London	Mapping P-wave Azimuthal Anisotropy near the Core-Mantle Boundary using Novel Observations of Core-Diffracted waves	Standard Grant JAN19
5	8	NE/T000430/1	Y	Madeleine Humphreys	Durham University	PcSdiff	Standard Grant JAN19
6	8	NE/T001615/1	Y	Florian Fusseis	University of Edinburgh	Magma mush eruptibility: the lifetime of mobile magma	Standard Grant JAN19
7	8	NE/T000082/1	Y	Nicholas Rawlinson	University of Cambridge	4D quantification of micro-scale feedbacks in dehydrating, deforming rocks	Standard Grant JAN19
8	8	NE/T000317/1	Y	Cornelis Lissenberg	Cardiff University	Seismic imaging of the Macquarie Ridge Complex: A search for incipient subduction	Standard Grant JAN19
9	8	NE/T001119/1	Y	Robert Hilton	Durham University	HiDe: A Highly Heterogeneous Depleted Upper Mantle?	Standard Grant JAN19
10	8	NE/T001100/1	Y			Rhenium isotopes to track carbon dioxide emissions by oxidative weathering	Standard Grant JAN19
11	8	NE/T000538/1	Y			Not funded	Standard Grant JAN19
12	8	NE/T001674/1	Y			Not funded	Standard Grant - NI JAN19
13	8	NE/T001232/1	Y			Not funded	Standard Grant JAN19
14	8	NE/T001410/1	Y			Not funded	Standard Grant JAN19
15	7	NE/T000058/1	Y			Not funded	Standard Grant JAN19
15	7	NE/T000066/1	Y			Not funded	Standard Grant JAN19
15	7	NE/T00021X/1	Y			Not funded	Standard Grant JAN19
15	7	NE/T000473/1	Y			Not funded	Standard Grant JAN19
15	7	NE/T000481/1	Y			Not funded	Standard Grant JAN19
15	7	NE/T001275/1	N			Not funded	Standard Grant - NI JAN19
15	7	NE/T001429/1	Y			Not funded	Standard Grant - NI JAN19
15	7	NE/T001453/1	Y			Not funded	Standard Grant JAN19
15	7	NE/T00164X/1	Y			Not funded	Standard Grant JAN19
15	7	NE/T001682/1	Y			Not funded	Standard Grant - NI JAN19
	7	NE/T000031/1	Y			Not discussed at panel	Standard Grant JAN19
	7	NE/T000201/1	Y			Not discussed at panel	Standard Grant - NI JAN19
	7	NE/T000732/1	Y			Not discussed at panel	Standard Grant JAN19
	7	NE/T000961/1	N			Not discussed at panel	Standard Grant JAN19

	7	NE/T001062/1	Y			Not discussed at panel	Standard Grant JAN19
	7	NE/T001186/1	Y			Not discussed at panel	Standard Grant JAN19
	7	NE/T001690/1	Y			Not discussed at panel	Standard Grant JAN19
	7	NE/T001763/1	Y			Not discussed at panel	Standard Grant - NI JAN19
	6	NE/T00052X/1	Y			Not discussed at panel	Standard Grant JAN19
	6	NE/T000791/1	Y			Not discussed at panel	Standard Grant JAN19
	6	NE/T001259/1	Y			Not discussed at panel	Standard Grant JAN19
	6	NE/T001461/1	Y			Not discussed at panel	Standard Grant - NI JAN19
	6	NE/T001666/1	Y			Not discussed at panel	Standard Grant JAN19
	6	NE/T001771/1	Y			Not discussed at panel	Standard Grant JAN19

### January 2019 – Panel B

Rank	Overall Score (0-10)	Grant Reference	Lead / Sole Grant	Grant Holder	Research Organisation	Project Title	Call
1	9	NE/T001496/1	Y	Jonathan Crosier	The University of Manchester	Using high-speed holography to quantify secondary ice processes	Standard Grant JAN19
2	9	NE/T001607/1	Y	Daniel Goldberg	University of Edinburgh	QUoRUM: QUantifying and Reducing Uncertainty in Multi-Decadal Projection of Ice Sheet-Sea Level Contribution	Standard Grant JAN19
3	9	NE/T001240/1	Y	Claire Mahaffey	University of Liverpool	Nitrogen fixation in the Arctic Ocean	Standard Grant JAN19
3	9	NE/T000570/1	N	Joanne Hopkins	National Oceanography Centre	Nitrogen fixation in the Arctic Ocean	Standard Grant JAN19
4	9	NE/T000767/1	Y	Jonathan Tennyson	University College London	Short wavelength absorption by water vapour	Standard Grant JAN19
5	9	NE/T001216/1	Y	Anthony Illingworth	University of Reading	A new technique for measuring global rainfall	Standard Grant JAN19
6	8	NE/T001194/1	Y	Cristina Santin	Swansea University	Advancing 3D Fuel Mapping for Wildfire Behaviour and Risk Mitigation Modelling	Standard Grant - NI JAN19
7	8	NE/T001399/1	Y	Michel Tsamados	University College London	PRE-MELT: Preconditioning the trigger for rapid Arctic ice melt	Standard Grant - NI JAN19
7	8	NE/T000260/1	N	Yevgeny Aksenov	National Oceanography Centre	PRE-MELT: Preconditioning the trigger for rapid Arctic ice melt	Standard Grant - NI JAN19
7	8	NE/T000546/1	N	Jack Landy	University of Bristol	PRE-MELT: Preconditioning the trigger for rapid Arctic ice melt	Standard Grant - NI JAN19
8	8	NE/T00147X/1	Y	Ann Webb	The University of Manchester	IMPROVING CIRRUS ESTIMATES OF RADIATIVE FORCING: BACKSCATTERING FOR MODELS AND OBSERVATIONS (ICE-RF)	Standard Grant JAN19
9	8	NE/T000309/1	Y	Adrian Callaghan	Imperial College London	Quantifying Oceanic Whitecap Energy Dissipation and Bubble-Mediated Air-Sea Fluxes	Standard Grant - NI JAN19

10	8	NE/T000937/1	Y	Adrian Grocott	Lancaster University	Predicting the upper atmospheric response to extremes of space weather forcing	Standard Grant JAN19
10	8	NE/T000295/1	N	Daniel Marsh	University of Leeds	Predicting the upper atmospheric response to extremes of space weather forcing	Standard Grant JAN19
11	8	NE/T000856/1	Y			Not funded	Standard Grant JAN19
11	8	NE/T000562/1	N			Not funded	Standard Grant JAN19
12	8	NE/T001151/1	Y			Not funded	Standard Grant JAN19
13	8	NE/T001658/1	Y			Not funded	Standard Grant JAN19
14	8	NE/T001305/1	Y			Not funded	Standard Grant JAN19
14	8	NE/T000090/1	N			Not funded	Standard Grant JAN19
14	8	NE/T00133X/1	N			Not funded	Standard Grant JAN19
15	8	NE/T000627/1	Y			Not funded	Standard Grant JAN19
16	8	NE/T000155/1	Y			Not funded	Standard Grant JAN19
17	8	NE/T000880/1	Y			Not funded	Standard Grant - NI JAN19
18	8	NE/T000163/1	Y			Not funded	Standard Grant - NI JAN19
19	7	NE/T00004X/1	Y			Not funded	Standard Grant - NI JAN19
19	7	NE/T000511/1	Y			Not funded	Standard Grant JAN19
19	7	NE/T000716/1	N			Not funded	Standard Grant JAN19
19	7	NE/T000910/1	Y			Not funded	Standard Grant JAN19
19	7	NE/T000996/1	N			Not funded	Standard Grant JAN19
19	7	NE/T001054/1	Y			Not funded	Standard Grant JAN19
19	7	NE/T001143/1	Y			Not funded	Standard Grant JAN19
19	7	NE/T001283/1	Y			Not funded	Standard Grant JAN19
25	6	NE/T001445/1	Y			Not funded	Standard Grant JAN19
25	6	NE/T000775/1	N			Not funded	Standard Grant JAN19
	7	NE/T000376/1	Y			Not discussed at panel	Standard Grant - NI JAN19
	7	NE/T000406/1	Y			Not discussed at panel	Standard Grant JAN19
	7	NE/T000457/1	Y			Not discussed at panel	Standard Grant JAN19
	7	NE/T000953/1	Y			Not discussed at panel	Standard Grant - NI JAN19
	7	NE/T001089/1	Y			Not discussed at panel	Standard Grant JAN19
	7	NE/T001267/1	Y			Not discussed at panel	Standard Grant JAN19
	7	NE/T000589/1	N			Not discussed at panel	Standard Grant JAN19
	7	NE/T001402/1	Y			Not discussed at panel	Standard Grant JAN19
	7	NE/T000899/1	N			Not discussed at panel	Standard Grant JAN19
	7	NE/T001488/1	Y			Not discussed at panel	Standard Grant JAN19
	7	NE/T001437/1	N			Not discussed at panel	Standard Grant JAN19
	7	NE/T00150X/1	Y			Not discussed at panel	Standard Grant JAN19
	6	NE/T000104/1	Y			Not discussed at panel	Standard Grant JAN19
	4	NE/T001356/1	Y			Not discussed at panel	Standard Grant JAN19

January 2019 – Panel C

Rank	Overall Score (0-10)	Grant Reference	Lead / Sole Grant	Grant Holder	Research Organisation	Project Title	Call
1	10	NE/T000449/1	Y	Sami Ullah	University of Birmingham	FACE underground: can trees in mature forests gain greater access to soil nutrients under elevated atmospheric CO <sub>2</sub> ?	Standard Grant JAN19
1	10	NE/T001046/1	Y	Paula Stockley	University of Liverpool	How is behaviour constrained within typical sex roles?	Standard Grant JAN19
3	9	NE/T000597/1	Y	Ilik Saccheri	University of Liverpool	Recurrent adaptation to industrial pollution: ancestral diversity and ecological succession	Standard Grant JAN19
4	9	NE/T001038/1	Y	Stephen G. Willis	Durham University	Explaining and Predicting the Migration and Phenology of Europe-African Migratory Birds	Standard Grant JAN19
4	9	NE/T001070/1	N	Stephen Baillie	British Trust for Ornithology	Explaining and Predicting the Migration and Phenology of Europe-African Migratory Birds	Standard Grant JAN19
5	9	NE/T000120/1	Y	Graham Stone	University of Edinburgh	TRICOMM: Structure, assembly and evolution of natural tritrophic communities	Standard Grant JAN19
5	9	NE/T000074/1	N	Karsten Schonrogge	NERC Centre for Ecology and Hydrology	TRICOMM: Structure, assembly and evolution of natural tritrophic communities	Standard Grant JAN19
6	8	NE/T000341/1	Y	Robin Beck	University of Salford	"Rise of the continent of the monkeys": an integrated genomic and fossil-based analysis of the adaptive radiation of New World primates	Standard Grant - NI JAN19
7	8	NE/T000619/1	Y	Nathan Bailey	University of St Andrews	How Repeatable is Adaptive Evolution? Testing What Promotes Rapid Adaptation in a Replicated Natural System	Standard Grant JAN19
8	8	NE/T001313/1	Y	Jean-Luc Schwenninger	University of Oxford	Improving the chronology of early human evolution	Standard Grant JAN19
9	8	NE/T001348/1	Y	Rosie Woodroffe	Zoological Soc London Inst of Zoology	Hot Dogs: climate change impacts in an endothermic predator	Standard Grant JAN19
10	8	NE/T000813/1	Y	Russell Garwood	The University of Manchester	Insect relationships and evolution in deep time	Standard Grant - NI JAN19
11	8	NE/T000848/1	Y	Glen Wheeler	Marine Biological Association	Assessing how cell size constrains carbon uptake in diatoms using direct measurements of cell surface carbonate chemistry	Standard Grant JAN19
12	8	NE/T000139/1	Y	Gavin Thomas	University of Sheffield	The macroevolutionary consequences of trait correlations	Standard Grant JAN19
13	8	NE/T001364/1	Y	Joerg Wiedenmann	University of Southampton	DEFINING NUTRITIONAL BOTTLENECKS OF REEF CORAL GROWTH AND STRESS TOLERANCE	Standard Grant JAN19
14	8	NE/T000759/1	Y	Colin Osborne	University of Sheffield	How do global change and functional traits influence savanna woody plant encroachment?	Standard Grant JAN19

						IMPLICATIONS OF INTRASPECIFIC TRAIT VARIABILITY ACROSS DIFFERENT ENVIRONMENTAL CONDITIONS FOR PROJECTIONS OF MARINE ECOSYSTEM FUTURES	
15	8	NE/T001577/1	Y	Jasmin Godbold	University of Southampton		Standard Grant JAN19
16	7	NE/T000147/1	Y			Not funded	Standard Grant JAN19
16	7	NE/T000236/1	Y			Not funded	Standard Grant JAN19
16	7	NE/T000252/1	Y			Not funded	Standard Grant JAN19
16	7	NE/T000643/1	Y			Not funded	Standard Grant JAN19
16	7	NE/T000554/1	N			Not funded	Standard Grant JAN19
16	7	NE/T000651/1	Y			Not funded	Standard Grant JAN19
16	7	NE/T00066X/1	Y			Not funded	Standard Grant JAN19
16	7	NE/T001941/1	N			Not funded	Standard Grant JAN19
16	7	NE/T000821/1	Y			Not funded	Standard Grant JAN19
16	7	NE/S011013/1	Y			Not funded	Standard Grant JUL18
16	7	NE/S011110/1	N			Not funded	Standard Grant JUL18
16	7	NE/T001127/1	Y			Not funded	Standard Grant JAN19
16	7	NE/T000929/1	N			Not funded	Standard Grant JAN19
16	7	NE/T001593/1	Y			Not funded	Standard Grant JAN19
16	7	NE/T001747/1	Y			Not funded	Standard Grant JAN19
27	6	NE/T000112/1	Y			Not funded	Standard Grant - NI JAN19
27	6	NE/T000503/1	Y			Not funded	Standard Grant - NI JAN19
27	6	NE/T000988/1	Y			Not funded	Standard Grant JAN19
27	6	NE/T001224/1	Y			Not funded	Standard Grant JAN19
27	6	NE/T001291/1	Y			Not funded	Standard Grant JAN19
27	6	NE/T001623/1	Y			Not funded	Standard Grant JAN19
33	4	NE/T000325/1	Y			Not funded	Standard Grant JAN19
33	4	NE/T00102X/1	Y			Not funded	Standard Grant JAN19
	7	NE/T001720/1	Y			Not discussed at panel	Standard Grant JAN19
	7	NE/T001550/1	Y			Not discussed at panel	Standard Grant JAN19
	7	NE/T001534/1	Y			Not discussed at panel	Standard Grant JAN19
	7	NE/T001097/1	Y			Not discussed at panel	Standard Grant JAN19
	7	NE/T001011/1	Y			Not discussed at panel	Standard Grant - NI JAN19
	7	NE/T00083X/1	Y			Not discussed at panel	Standard Grant JAN19
	7	NE/T000740/1	Y			Not discussed at panel	Standard Grant - NI JAN19
	7	NE/T000724/1	Y			Not discussed at panel	Standard Grant JAN19
	7	NE/T000694/1	Y			Not discussed at panel	Standard Grant JAN19
	7	NE/T00049X/1	Y			Not discussed at panel	Standard Grant JAN19
	7	NE/T000422/1	N			Not discussed at panel	Standard Grant JAN19
	7	NE/T000368/1	N			Not discussed at panel	Standard Grant JAN19

	7	NE/T00035X/1	Y			Not discussed at panel	Standard Grant JAN19
	7	NE/T000279/1	Y			Not discussed at panel	Standard Grant JAN19
	7	NE/T000198/1	Y			Not discussed at panel	Standard Grant JAN19
	7	NE/T000015/1	Y			Not discussed at panel	Standard Grant JAN19
	6	NE/T001712/1	Y			Not discussed at panel	Standard Grant JAN19
	6	NE/T001631/1	Y			Not discussed at panel	Standard Grant JAN19
	6	NE/T001380/1	Y			Not discussed at panel	Standard Grant JAN19
	6	NE/T001208/1	Y			Not discussed at panel	Standard Grant JAN19
	6	NE/T001135/1	Y			Not discussed at panel	Standard Grant - NI JAN19
	6	NE/T000902/1	Y			Not discussed at panel	Standard Grant - NI JAN19
	6	NE/T000872/1	Y			Not discussed at panel	Standard Grant - NI JAN19
	6	NE/T000864/1	Y			Not discussed at panel	Standard Grant JAN19
	6	NE/T000686/1	Y			Not discussed at panel	Standard Grant JAN19
	6	NE/T000023/1	Y			Not discussed at panel	Standard Grant JAN19
	5	NE/T001704/1	Y			Not discussed at panel	Standard Grant - NI JAN19
	5	NE/T001321/1	Y			Not discussed at panel	Standard Grant JAN19
	5	NE/T000465/1	Y			Not discussed at panel	Standard Grant JAN19
	5	NE/T000333/1	N			Not discussed at panel	Standard Grant JAN19
	4	NE/T000805/1	Y			Not discussed at panel	Standard Grant JAN19