

## Highlight Topics September 2016

Rank	Excellence	Fit	Grant Reference	Lead / Sole Grant	Grant Holder	Research Organisation	Project Title	Topic
1	10	5	NE/P017436/1	Y	Peter Challenor	University of Exeter	BIG data methods for improving windstorm FOOTprint prediction (BigFoot)	Innovative applications of big data techniques to natural hazard prediction and risk mitigation
2	9	6	NE/P01738X/1	Y	Richard Horne	NERC British Antarctic Survey	Modelling the acceleration, transport and loss of radiation belt electrons to protect satellites from space weather (Rad-Sat)	Modelling and forecasting the Earth's radiation belts
2	9	6	NE/P017061/1	N	Michael Balikhin	University of Sheffield	Modelling the acceleration, transport and loss of radiation belt electrons to protect satellites from space weather (Rad-Sat)	Modelling and forecasting the Earth's radiation belts
2	9	6	NE/P017185/1	N	Iain Jonathan Rae	University College London	Modelling the acceleration, transport and loss of radiation belt electrons to protect satellites from space weather (Rad-Sat)	Modelling and forecasting the Earth's radiation belts
2	9	6	NE/P017274/1	N	Clare Emily Jane Watt	University of Reading	Modelling the acceleration, transport and loss of radiation belt electrons to protect satellites from space weather (Rad-Sat)	Modelling and forecasting the Earth's radiation belts
2	9	6	NE/P017347/1	N	Jonathan Eastwood	Imperial College London	Modelling the acceleration, transport and loss of radiation belt electrons to protect satellites from space weather (Rad-Sat)	Modelling and forecasting the Earth's radiation belts
3	9	5	NE/P017134/1	Y	Stuart Barr	Newcastle University	Flood-PREPARED: Predicting Rainfall Events by Physical Analytics of REaltime Data	Innovative applications of big data techniques to natural hazard prediction and risk mitigation
4	9	6	NE/P017231/1	Y	Alan Thomson	NERC British Geological Survey	Space Weather Impacts on Ground-based Systems (SWIGS)	New insights into space weather impact on UK national grounded infrastructure
4	9	6	NE/P016693/1	N	Mervyn Freeman	NERC British Antarctic Survey	Space Weather Impacts on Ground Systems (SWIGS)	New insights into space weather impact on UK national grounded infrastructure
4	9	6	NE/P016715/1	N	James Wild	Lancaster University	Space Weather Impacts on Ground-based Systems (SWIGS)	New insights into space weather impact on UK national grounded infrastructure
4	9	6	NE/P016758/1	N	Philip William Livermore	University of Leeds	Space Weather Impacts on Ground Systems (SWIGS)	New insights into space weather impact on UK national grounded infrastructure
4	9	6	NE/P016782/1	N	Robert Fear	University of Southampton	Space Weather Impacts on Ground Structures (SWIGS)	New insights into space weather impact on UK national grounded infrastructure
4	9	6	NE/P016863/1	N	Malcolm Dunlop	STFC - Laboratories	Space weather impacts on ground systems	New insights into space weather impact on UK national grounded infrastructure
4	9	6	NE/P016928/1	N	Mathew Owens	University of Reading	Space Weather Impact on Ground-based Systems	New insights into space weather impact on UK national grounded infrastructure
4	9	6	NE/P017142/1	N	Jonathan Eastwood	Imperial College London	Space Weather Impacts on Ground-based Systems (SWIGS)	New insights into space weather impact on UK national grounded infrastructure
4	9	6	NE/P017150/1	N	Iain Jonathan Rae	University College London	Space Weather Impacts on Ground Systems (SWIGS)	New insights into space weather impact on UK national grounded infrastructure
4	9	6	NE/P017290/1	N	Kathy Whaler	University of Edinburgh	Space Weather Impacts on Ground Structures (SWIGS)	New insights into space weather impact on UK national grounded infrastructure
5	8	6	NE/P017452/1	Y	Jamie Wilkinson	The Natural History Museum	From arc magmas to ores (FAMOS): A mineral systems approach	Genesis of magnetic-hosted ore deposits: A systems approach
5	8	6	NE/P017045/1	N	Frances Jenner	Open University	From arc magmas to ores (FAMOS): A mineral systems approach	Genesis of magnetic-hosted ore deposits: A systems approach
5	8	6	NE/P017053/1	N	Daniel Smith	University of Leicester	From arc magmas to ores (FAMOS): A mineral systems approach	Genesis of magnetic-hosted ore deposits: A systems approach
5	8	6	NE/P01724X/1	N	Jonathan Naden	NERC British Geological Survey	From arc magmas to ores (FAMOS): A mineral systems approach	Genesis of magnetic-hosted ore deposits: A systems approach
5	8	6	NE/P017312/1	N	Iain McDonald	Cardiff University	From arc magmas to ores (FAMOS): A mineral systems approach	Genesis of magnetic-hosted ore deposits: A systems approach
5	8	6	NE/P017371/1	N	Jonathan Blundy	University of Bristol	From arc magmas to ores (FAMOS): A mineral systems approach	Genesis of magnetic-hosted ore deposits: A systems approach
5	8	6	NE/P017444/1	N	Matthew Jackson	Imperial College London	From arc magmas to ores (FAMOS): A mineral systems approach	Genesis of magnetic-hosted ore deposits: A systems approach
6	8	5	NE/P01707X/1	Y			Not funded	
6	8	5	NE/P016847/1	N			Not funded	
6	8	5	NE/P017088/1	N			Not funded	
7	8	5	NE/P017355/1	Y			Not funded	
7	8	5	NE/P017126/1	N			Not funded	
7	8	5	NE/P017169/1	N			Not funded	
7	8	5	NE/P017207/1	N			Not funded	
7	8	5	NE/P017215/1	N			Not funded	
7	8	5	NE/P017223/1	N			Not funded	
7	8	5	NE/P017282/1	N			Not funded	

7	8	5	NE/P017304/1	N			Not funded	
7	8	5	NE/P017398/1	N			Not funded	
8	7	5	NE/P017460/1	Y			Not funded	
9	7	4	NE/P017495/1	Y			Not funded	
10	7	4	NE/P017487/1	Y			Not funded	
10	7	4	NE/P017363/1	N			Not funded	
10	7	4	NE/P017428/1	N			Not funded	
11	7	4	NE/P017258/1	Y			Not funded	
12	7	4	NE/P017479/1	Y			Not funded	