

Programme Name: Technologies Proof of Concept

Lead Grant Reference	Lead/Sole Grant	Grant Holder (PI)	RO	Title	Excellence Score 0-10	Fit to Scheme Score 0-10	RANK
NE/P004024/1	Y	Hugh Greenwell	Durham University	Fundamental Understanding of Oil Adhesion Under Reservoir Conditions (FOilCon).	9	6	1
NE/P003230/1	Y	Damien Weidmann	STFC - Laboratories	Miniature autonomous LHR for CO2 column measurements	9	6	2
NE/P003702/1	Y	Jonathan Crosier	The University of Manchester	CloudSonde	9	6	3
NE/P003303/1	Y	Graham Ferrier	University of Hull	Development of a UAV-mounted Imaging FTIR for real-time monitoring of natural and anthropogenic hazards	9	5	4
NE/P003524/1	Y	William Bloss	University of Birmingham	Total Ozone Reactivity: A new measurement of volatile organic compounds in the atmosphere	8	6	5
NE/P003761/1	Y	Patrick Harkness	University of Glasgow	Subglacial Bedrock Sampler	8	6	6
NE/P003680/1	Y	Hugh Coe	The University of Manchester	A Novel Optical Module for Detection and Sizing of Particles in a Single Particle Mass Spectrometer - OptiPart-MS	8	6	7
NE/P003281/1	Y	Lai Bun Lok	University College London	Borehole location monitoring using phase-sensitive FMCW radar	8	6	8
NE/P003907/1	Y	Aldina M. A. Franco	University of East Anglia	Long range wireless devices for high-resolution monitoring of animal movement	8	5	9
NE/P004016/1	Y	Xize Niu	University of Southampton	Droplet microfluidic based chemical sensors for rapid measurement of nutrients in water	8	5	10
NE/P003176/1	Y	Andras Sobester	University of Southampton	Fresh WAYS of Targeting and Employing Robotic Systems (FreshWATERS)	8	5	11
NE/P003362/1	Y	Richard Harrison	University of Reading	Volcanic balloon-borne laboratory	8	5	12
NE/P003966/1	Y	Gabriel Weymouth	University of Southampton	Aquatic Soft Robots for Environmental Sensing	8	5	13
NE/P003478/1	Y	David Newnham	NERC British Antarctic Survey	Satellite TV-based Ozone and OH Observations using Radiometric Measurements (STO3RM)	8	5	14

NE/P003265/1	Y	David McKee	University of Strathclyde	ORANGUTRAN: ORbital ANGULAR momentum TRANsmisometer with zero collection angle error.	8	5	15
NE/P003486/1	Y	Stefan Krause	University of Birmingham	DiHPS - A Distributed Heat Pulse Sensor Network for the quantification of subsurface heat and water fluxes	7	5	16
NE/P003443/1	Y	Giorgio Dall'Olmo	Plymouth Marine Laboratory	Initial development and laboratory testing of a ChLorophyll Absorption Meter (CLAM)	7	5	17
NE/P003737/1	Y	Grant Allen	The University of Manchester	UAS-Methane: An unmanned aerial system for the remote sensing of methane flux	7	5	18
NE/P003826/1	Y	Huabing Yin	University of Glasgow	Stable Isotope Probing with Resonance Raman Cell Sorting to profile influence of ocean acidification on microbial carbon fixation	7	4	19
NE/P003796/1	Y	Simon Rundle	University of Plymouth	Development of an automated analytical system for measurement of whole-organism environmental sensitivity of aquatic embryos	7	4	20
NE/P003583/1	Y			Not funded	7	4	21
NE/P003222/1	Y			Not funded	7	2	22
NE/P003206/1	Y			Not funded	7	2	23
NE/P003192/1	Y			Not funded	6	5	24
NE/P003400/1	Y			Not funded	6	5	24
NE/P003877/1	Y			Not funded	6	5	24
NE/P003338/1	Y			Not funded	6	4	24