



Natural Environment Research Council

2019 NERC Strategic capital investments – items awarded

Grant Reference	Research Organisation	Project Title
NE/T008555/I	University of York	Laser induced fluorescence instrument for the detection of trace levels of atmospheric sulfur dioxide (SO ₂)
NE/T008571/I	Scottish Association For Marine Science (SAMS)	Rapid in-situ phytoplankton monitoring to support marine aquaculture and long term climate science
NE/T008652/I	University of Bristol	Gas chromatograph-combustion-isotope ratio mass spectrometer (GC-C-IRMS) for enhanced compound-specific N isotope determinations
NE/T008709/I	Queen Mary, University of London	A high-throughput platform for assembling genome data: the Saphyr
NE/T008733/I	NERC Centre for Ecology and Hydrology	Monitor for AeRosols and GAses - Fluxes of Inorganic and Organic compounds (MARGA-FIO)
NE/T008814/I	University of Southampton	The Time Of flight Isotopic and elemental Concentration (TOPIC) Facility for nano- to micrometer scale analysis of Earth and anthropogenic materials
NE/T008830/I	University of St Andrews	Seaquest DSV: a compact Deep-water Sonar and Visual sampler for exploring the marine twilight zone
NE/T008873/I	National Oceanography Centre (NOC)	Instant geochemistry from mountain tops to the mid ocean ridges: X-ray Fluorescence (XRF) Spectroscopy on the move
NE/T00889X/I	Cardiff University	Towards ultra-trace element measurements in organic-rich samples: tracing past and modern environmental changes
NE/T008911/I	British Antarctic Survey (BAS)	UK Relic Air Extraction and Gas Analysis System (UK RArE-GAS)

NE/T008962/I	University of Warwick	JTS-100: A step change in accurately measuring photosynthesis
NE/T008997/I	University of Oxford	Extending capacity for luminescence-based chronology
NE/T009004/I	University of Aberdeen	Field Stereoscopic Particle Image Velocimetry (FSPIV) system for high-resolution in-situ studies of freshwater and marine ecosystems
NE/T009012/I	University of Reading	A novel Free-Air Diesel and Ozone Enrichment (FADOE) research platform
NE/T009020/I	University of East Anglia	Proton-Transfer-Reaction Time-of-Flight Mass Spectrometer (PTR-ToF-MS) for aircraft and ground-based applications
NE/T009063/I	The Natural History Museum (NHM)	Automated Mineral Analyser - Automated mineralogical analysis to underpin earth sciences
NE/T00908X/I	University of Strathclyde	The GeoX Suite: Environmental cells for NERC research using in situ imaging
NE/T009098/I	Durham University	Facility for high temperature, high pressure rheology of geomaterials
NE/T009101/I	University of Surrey	The Smart Cube: a national calibration standard for urban canopy flows
NE/T009144/I	University of Manchester	Airborne Holographic Imaging Probe
NE/T009187/I	University of Surrey	Laser induced breakdown spectroscopy tandem with laser ablation
NE/T009195/I	Marine Biological Association	MICRO-INTERACT - Laser capture micro-dissection for identification of novel interactions within the plankton that underpin marine carbon cycling
NE/T009233/I	NERC British Geological Survey (BGS)	A Selective Fragmentation (SELFRAG) device for liberating minerals, microfossils from rocks: more efficient, effective and safer for the UK community
NE/T009268/I	Royal Holloway, University of London	Mobile integrated greenhouse gas assessment system (MIGGAS): targeting Net Zero.