

Big Data Capital Call – 2013 Funded Projects

Principle Investigator	Research Organisation	Title	Total Cost to NERC
Prof Dawn Field	Centre for Ecology and Hydrology	EOS Cloud	£495,000.00
Prof Tim Wright	University of Leeds	Creating a community facility for high-resolution deformation mapping with radar data from Sentinel-1	£183,000.00
Dr Karim Gharbi	University of Edinburgh	Development of a high-preformance data storage and sharing platform for the NERC/NBAF genomics community	£271,882.00
Dr Stephen Hallett	Cranfield University	Ecosystem Services Databank and Visualisation for Terrestrial Informatics	£207,566.00
Dr Giorgio Dall'Olmo	Plymouth Marine Laboratory	UK contribution to the international Bio-Argo Network	£508,781.00
Dr Jon Blower	University of Reading	Videowall for scientific data visualization and exploration	£217,566.00
Dr Eleanor Blyth	Centre for Ecology and Hydrology	Environmental Assessment: Access, Archive and Analysis	£170,000.00
Dr John Dickie	Royal Botanic Gardens, Kew	BRAHMS8 – a flexible database management system for botanical researchers and herbaria	£60,000.00
Justin Moat	Royal Botanic Gardens, Kew	Geospatial Conservation Assessment Tool (GeoCAT) version 1	£82,000.00
Dr Matthew Rigby	University of Bristol	Advanced computing architecture to support the estimation and reporting of UK GHG emissions	£83,000.00
Prof Ally Lewis	University of York	Big data for Atmospheric Composition and CHemistry: Understanding and Science (BACCHUS)	£207,541.00
Dr Barry Latter	Science & Technology Facilities Council	Dedicated processing and storage for Near Real Time (NRT) processing of MetOp satellite data for methane and ozone for operational services in air quality and weather forecasting providers, and wider exploitation by NERC science community	£162,000.00
Prof Jan-Peter Muller	University College London	500Tb storage system for processing and distribution of Land ECVs as part of the EU-FP7 project "QA4ECV: Traceable quality assurance system for multi-decadal ECVs"	£350,000.00
Dr Mervyn Freeman	British Antarctic Survey	SuperDARN data management hub at BAS	£84,400.00
Prof Steve Parkes	University of Dundee	No Title: Proposed purchase a cluster of data-processing servers, a replacement web server and battery-backup units (UPS)	£53,798.00
Dr Mike Grant	Plymouth Marine Laboratory	Experimental large scale data services and visualisation facilities for Earth Observation and model data	£132,000.00
Dr Claire Gachon	The Scottish Association for Marine Science	MultiMARCAP: A versatile platform for Multidisciplinary MARine Computing Applications	£338,000.00
Dr Eiko Nemitz	Centre for Ecology and Hydrology	Eddy-covariance raw data archiving and processing facility	£83,333.00
Prof Richard Bardgett	University of Manchester	High memory computer hardware for metagenomic analysis	£98,737.00
Prof Ian Main	University of Edinburgh	Computing facility for massive real-time data assimilation in environmental science	£310,000.00
Prof Stephen Maberly	Centre for Ecology and Hydrology	Depth-resolved, high-resolution data on lakes	£230,000.00
Matthew Wild (a)	Science & Technology Facilities Council	Digital copies of Ionospheric data 1957 – 1991	£60,000.00
Matthew Wild (b)	Science & Technology Facilities Council	Digital Images of the Solar Disc and Limb 1903 -1942	£65,000.00
Dr Tom Scott	University of Bristol	High-Speed AFM	£79,400.00
Prof Mark Maslin	University College London	BioClim Global Data Platform	£361,919.00