

### Macronutrient Cycles Consortium Grants

Award Title	Investigator	Investigator Institution	NERC Reference	Split Award
LTLS: Analysis and simulation of the Long-Term / Large-Scale interactions of C, N and P in UK land, freshwater and atmosphere	Professor Edward Tipping	NERC Centre for Ecology and Hydrology	NE/J011533/1	Y-lead
LTLS: Analysis and simulation of the Long-Term / Large-Scale interactions of C, N and P in UK land, freshwater and atmosphere	Professor Neil Rose	University College London	NE/J01222X/1	
LTLS: Analysis and simulation of the Long-Term / Large-Scale interactions of C, N and P in UK land, freshwater and atmosphere	Mrs Marianne Stuart	NERC British Geological Survey	NE/J011851/1	
LTLS: Analysis and simulation of the Long-Term / Large-Scale interactions of C, N and P in UK land, freshwater and atmosphere	Professor John Quinton	Lancaster University	NE/J011703/1	
LTLS: Analysis and simulation of the Long-Term / Large-Scale interactions of C, N and P in UK land, freshwater and atmosphere	Dr John Boyle	University of Liverpool	NE/J011630/1	
LTLS: Analysis and simulation of the Long-Term / Large-Scale interactions of C, N and P in UK land, freshwater and atmosphere	Professor Andrew Whitmore	Rothamsted Research	NE/J011568/1	
LTLS: Analysis and simulation of the Long-Term / Large-Scale interactions of C, N and P in UK land, freshwater and atmosphere	Dr Sami Ullah	Keele University	NE/J011541/1	
The Multi-Scale Response of Water Quality, Biodiversity and C Sequestration to Coupled Macronutrient Cycling from Source to Sea	Dr Andrew Wade	University of Reading	NE/J011967/1	Y-lead
The Multi-Scale Response of Water Quality, Biodiversity and C Sequestration to Coupled Macronutrient Cycling from Source to Sea	Professor Bridget Emmett	NERC Centre for Ecology and Hydrology	NE/J011991/1	
The Multi-Scale Response of Water Quality, Biodiversity and C Sequestration to Coupled Macronutrient Cycling from Source to Sea	Professor Colin Jago	Bangor University	NE/J011908/1	
Quantifying annual cycles of macronutrient fluxes and net effect of transformations in an estuary: their responses to stochastic storm-driven events	Dr Duncan Purdie	University of Southampton	NE/J012238/1	Y-lead
Quantifying annual cycles of macronutrient fluxes and net effect of transformations in an estuary: their responses to stochastic storm-driven events	Dr Gary Fones	University of Portsmouth	NE/J01205X/1	
Quantifying annual cycles of macronutrient fluxes and net effect of transformations in an estuary: their responses to stochastic storm-driven events	Dr Jan Kaiser	University of East Anglia	NE/J012025/1	

Quantifying annual cycles of macronutrient fluxes and net effect of transformations in an estuary: their responses to stochastic storm-driven events	Dr Matthew Mowlem	National Oceanography Centre	NE/J011975/1	
The role of lateral exchange in modulating the seaward flux of C, N, P.	Dr Mark Trimmer	Queen Mary, University of London	NE/J012106/1	Y-lead
The role of lateral exchange in modulating the seaward flux of C, N, P.	Professor Philip Ineson	University of York	NE/J012211/1	
The role of lateral exchange in modulating the seaward flux of C, N, P.	Dr Adrian Butler	Imperial College London	NE/J01219X/1	
The role of lateral exchange in modulating the seaward flux of C, N, P.	Dr Corinne Whitby	University of Essex	NE/J011959/1	
The role of lateral exchange in modulating the seaward flux of C, N, P.	Professor Andrew Binley	Lancaster University	NE/J011738/1	
The role of lateral exchange in modulating the seaward flux of C, N, P.	Dr John Stahl	Scottish Association For Marine Science	NE/J011681/1	

#### Macronutrient Cycles Proof of Concept Grants

Award Title	Investigator	Investigator Institution	NERC Reference
Lab-on-chip technology for in situ determination of dissolved organic nutrients	Dr Matthew Mowlem	National Oceanography Centre	NE/J011983/1
SkyGas: Development of a new technique for determining watershed/airshed gas fluxes	Professor Philip Ineson	University of York	NE/J012246/1