**Subject: [Coas.all] PhD studentships in Ocean and Atmospheric sciences, COAS, UEA**

Dear friends and colleagues,

We are pleased to announce the following PhD studentships hosted in the Centre for Ocean and Atmospheric Sciences (COAS) at UEA, to start in 2017.  We would be very grateful if you could let any final year undergraduate or Masters students know about these opportunities and circulate this to colleagues at your own and other institutions.

Project with confirmed funding (NERC Industrial CASE studentship with Cefas and BAS), with a deadline of *16th January 2017:*

[Marine Ecosystem Assessment in a Patchy World: Are AUVs the Solution to Quantify Zooplankton?](https://www.uea.ac.uk/study/-/marine-ecosystem-assessment-in-a-patchy-world-are-auvs-the-solution-to-quantify-zooplankton-heywood_u17nerci-) (supervised by Karen Heywood)

Projects available through UEA's NERC Doctoral Training Programme EnvEast, with a deadline of *8th January 2017*:

[Air Quality in the UK: The Impact of Boundary Layer Meteorology](https://www.uea.ac.uk/study/-/air-quality-in-the-uk-the-impact-of-boundary-layer-meteorology-reeves_uenv17ee-case-studentship-with-defra) (supervised by Claire Reeves)

[Antarctic shelf sea processes and impacts on global climate](https://www.uea.ac.uk/study/-/antarctic-shelf-sea-processes-and-impacts-on-global-climate-stevens_umth17ee-) (supervised by David Stevens)

[Biogenic trace gas production by seaweeds: exploring the impacts of worldwide aquaculture expansion](https://www.uea.ac.uk/study/-/biogenic-trace-gas-production-by-seaweeds-exploring-the-impacts-of-worldwide-aquaculture-expansion-malin_uenv17ee-) (supervised by Gill Malin)

[Drivers of spatio-temporal variability in Urban Heat Island at the global scale and implications for growing cities](https://www.uea.ac.uk/study/-/drivers-of-spatio-temporal-variability-in-urban-heat-island-at-the-global-scale-and-implications-for-growing-cities-le-quere_uenv17ee-case-studentship) (supervised by Corinne le Quere)

[Flow-bed interactions under three-dimensional stationary waves: 3D Antidunes](https://www.uea.ac.uk/study/-/flow-bed-interactions-under-three-dimensional-stationary-waves-3d-antidunes) (supervised by Jan Alexander)

[How will climate change affect the production of carbon dioxide by marine plankton](https://www.uea.ac.uk/study/-/how-will-climate-change-affect-the-production-of-carbon-dioxide-by-marine-plankton-robinson_uenv17ee-) (supervised by Carol Robinson)

[Improving our Understanding of Oceanic CO2 Uptake using Atmospheric Oxygen and Nitrous Oxide Measurements](https://www.uea.ac.uk/study/-/improving-our-understanding-of-oceanic-co2-uptake-using-atmospheric-oxygen-and-nitrous-oxide-measurements-suntharalingam_uenv17ee-) (supervised by Parv Suntharalingam)

[Internal tides in the tropical Indian Ocean](https://www.uea.ac.uk/study/-/internal-tides-in-the-tropical-indian-ocean-hall_uenv17ee-) (supervised by Rob Hall)

[Isotopic fingerprints of carbonyl sulfide (COS) in atmosphere and biosphere](https://www.uea.ac.uk/study/-/isotopic-fingerprints-of-carbonyl-sulfide-cos-in-atmosphere-and-biosphere-kaiser_uenv17ee-) (supervised by Jan Kaiser)

[Ocean-eddy atmosphere interaction](https://www.uea.ac.uk/study/-/ocean-eddy-atmosphere-interaction-zhai_uenv17ee-) (supervised by Xiaoming Zhai)

[The Big Chill - Observing and modelling cold air outbreaks](https://www.uea.ac.uk/study/-/the-big-chill-observing-and-modelling-cold-air-outbreaks-renfrew_uenv17ee-) (supervised by Ian Renfrew)

[The changing carbonate chemistry of the Southern Ocean](https://www.uea.ac.uk/study/-/the-changing-carbonate-chemistry-of-the-southern-ocean-bakker_uenv17ee-) (supervised by Dorothee Bakker)

[The global budget of atmospheric carbonyl sulphide; past and present](https://www.uea.ac.uk/study/-/the-global-budget-of-atmospheric-carbonyl-sulphide-past-and-present-sturges_uenv17ee-) (supervised by Bill Sturges)

[The maritime continent: Breaking the tropical barrier to global weather and climate prediction](https://www.uea.ac.uk/study/-/the-maritime-continent-breaking-the-tropical-barrier-to-global-weather-and-climate-prediction-matthews_uenv17ee-) (supervised by Adrian Matthews)

[Weather extremes under a changing climate: making better projections of future climate](https://www.uea.ac.uk/study/-/weather-extremes-under-a-changing-climate-making-better-projections-of-future-climate-osborn_uenv17ee-case-studentship-with-atkins) (supervised by Tim Osborn)

Projects available through the NEXUSS Centre for Doctoral Training at UEA, with a deadline of *16th January 2017*:

[Mapping ocean mixing using autonomous gliders: Indian Ocean and Antarctic shelf seas](https://www.uea.ac.uk/study/-/mapping-ocean-mixing-using-autonomous-gliders-indian-ocean-and-antarctic-shelf-seas-hall_uenv17nex-) (supervised by Rob Hall)

[Optimising ocean gliders for near-surface measurements](https://www.uea.ac.uk/study/-/optimising-ocean-gliders-for-near-surface-measurements-matthews_uenv17nex-) (supervised by Adrian Matthews)

[Plug and play monitoring – developing novel solutions for marine observations with divers as citizen scientists](https://www.uea.ac.uk/study/-/plug-and-play-monitoring-developing-novel-solutions-for-marine-observations-with-divers-as-citizen-scientists-kaiser_uenv17nex-) (supervised by Jan Kaiser)

[Shear Madness: New Ways to measure Ocean Currents from a Glider](https://www.uea.ac.uk/study/-/shear-madness-new-ways-to-measure-ocean-currents-from-a-glider-heywood_uenv17nex-) (supervised by Karen Heywood)