# Research Position in Climate Change Impacts on Storms

Application Deadline: 3 October 2018

The following 30-month post is available with a start date of around January 2019. The successful candidate will be employed by Newcastle University but based at the UK Met Office in Exeter within the Understanding Regional Climate Change team of Dr. Lizzie Kendon.

Salary: £27,831 - £29,515 per annum (Ph.D. - Near Completion, Assistant Level)
£30,395 - £39,610 per annum (Ph.D. - Awarded, Associate Level)

An exciting research post is now available for a motivated and qualified candidate to develop new insights into climate change impacts on storm-related extreme weather (hail, lightning and windstorms) in the NERC FUTURE-STORMS [Quantifying uncertainties and identifying drivers of future changes in extreme weather from convection-permitting model (CPM) ensembles] project. You will be based at the Met Office Hadley Centre in Exeter in the Understanding Regional Climate Change team.

In FUTURE-STORMS, you will work on evaluation using observations and future projections of storm-related weather extremes (wind, hail, and lightning) from state-of-the-art climate simulations at convection-permitting (2.2km) scale.
In particular you will exploit new European-wide 2.2km simulations and the first ensemble of climate simulations at convection-permitting scale (from the next set of UK Climate Projections UKCP18) to analyze changes in extreme wind intensity and direction, hail and lightning and compare them to standard resolution models (25km). You will also investigate the probability of compound events where possible and how these compare to observations.

You should have a background knowledge in either science, engineering, math, or geography, or closely related discipline. You should have a Ph.D. (or be near completion) and have previous experience in the analysis of climate model outputs. In addition to having a strong technical background, you will have good interpersonal skills and the ability to combine independent thinking with being part of a multi-disciplinary team.

The University holds a silver Athena SWAN award in recognition of our good employment practices for the advancement of gender equality. The University also holds the HR Excellence in Research award for our work to support the career development of our researchers, and is a member of the Euraxess initiative supporting researchers in Europe.

This is a full time, fixed term post for the duration of 30 months from start date. Contact Professor Hayley Fowler (Principal Investigator) or Lizzie Kendon (research

post line manager) at Hayley.fowler@ncl.ac.uk or elizabeth.kendon@metoffice.gov.uk.

To apply, visit https://vacancies.ncl.ac.uk/.

For further information, please follow these links: https://www.ncl.ac.uk/engineering/research/civil/water/ www.ncl.ac.uk/ceser https://www.metoffice.gov.uk/research/people/lizzie-kendon