

PhD Opportunities



PhD Opportunities in Meteorology and Atmospheric Science

There are many opportunities for suitably-qualified students to do a PhD degree in Meteorology, Atmospheric Physics or Atmospheric Chemistry at universities in the UK. Brief details, and links to Departmental websites, for some of these are given below. From time to time, research opportunities leading are announced via the [Met-jobs mailing list](#) [1].

UK Research Centres also employ meteorologists and a list of these follows immediately below:

[National Centre for Atmospheric Science](#) [2]

[Walker Institute](#) [3]

[Grantham Institute](#) [4]

[Tyndall Centre](#) [5]

[Climatic Research Unit](#) [6]

[Centre for Ecology and Hydrology](#) [7]

Course organisers: if your PhD website is not listed below, please contact education@rmets.org [8] to ensure it is included.

Centre for Atmospheric Science, University of Cambridge, Depts of Chemistry, Applied Mathematics and Theoretical Physics and Geography

The Centre has a very active research programme in all aspects of atmospheric chemistry and dynamics. For more details of our areas of research and PhD opportunities, please visit our [website](#) [9] or those of the individual departments.

University of East Anglia, School of Environmental Sciences

The School of Environmental Sciences is one of the longest established, largest and most fully developed Schools of Environmental Sciences in Europe. In the most recent Research Assessment Exercise, the School was rated 'double 5*', the highest possible research ranking and in the most recent Teaching Quality Assessment, it was awarded an 'excellent' rating. The School offers the following research courses: MSc by Research, MPhil and PhD.

For details see [here](#) [10].

University of Edinburgh, School of Geosciences, Global Change Research Institute

The Global Change Research Institute at the University of Edinburgh offers postgraduate training (PhD and MRes) in a number of topics in atmospheric science. Information about PhD courses can be found at <https://www.ed.ac.uk/geosciences/postgraduate/phd/programmes-supervisors/physical-sciences/phd-projects/GC> [11]

Also available is information on the MSc in Earth Observation and Geoinformation Management at <https://www.ed.ac.uk/geosciences/postgraduate/taught-masters/msc-earth-observation> [12]

Imperial College of Science, Technology and Medicine, London, Department of Physics, Space and Atmospheric Physics Group

A description of current research and post-graduate opportunities in Space and Atmospheric Physics at Imperial College may be found [on this webpage](#) [13].

Imperial College of Science, Technology and Medicine, London, Department of Environmental Science and Technology

Information on current PhD topics in the field of in air pollution can be found [here](#) [14].

University of Hertfordshire, Hatfield, Atmospheric Science Research Group

PhD positions are occasionally available here. For further details visit [their webpage](#). [15]

University of Leeds, Institute for Climate and Atmospheric Science, School of Earth and Environment

Projects are available in the research areas of atmospheric dynamics (especially mesoscale meteorology), atmospheric chemistry, and aerosols and clouds. Our research covers fieldwork, modelling and laboratory studies from the boundary layer to the stratosphere. See

here www.see.leeds.ac.uk/study/phd/index.htm [16] for more information.

University of Manchester, School of Earth, Atmospheric and Environmental Sciences, Atmospheric Science Research Group

The Atmospheric Science Group at Manchester works in the areas of the microphysics of clouds and aerosol, heterogeneous atmospheric chemistry, radiative transfer, the deposition, conversion and transport of atmospheric pollution, thunderstorm electrification, atmospheric dynamics and remote sensing. Approximately 4 or 5 Research studentships are available each year to work within these broad areas. Potential applicants are referred to the group [web pages](#) [17] for further information.

University of Oxford, Department of Physics, Sub-Department of Atmospheric, Oceanic and Planetary Physics

Each year there are opportunities for doctoral research in some of the following areas: space and ground-based experiments for observing the Earth and its atmosphere; space experiments for observing the planets; climate change; modelling of the Earth's atmosphere; atmospheric modelling of other planets; laboratory fluid dynamics. For details see [here](#) [18], [19]

University of Reading, Department of Meteorology

The department carries out research in both dynamical and physical meteorology with a broad range of topics covering field work, lab work, theoretical and numerical modelling and has about eight or nine NERC studentships available each year. For details of PhD research in the Department, see [here](#). [20]

University of Salford, School of environment and Life Sciences, Centre for Environmental Systems Research, Hydro-Meteorology Group

The hydrometeorology group at Salford specializes in radar and lidar remote sensing. The current research profile encompasses water resource modelling, the assimilation of data into forecasting models and the effects on urbanization on the atmospheric boundary layer. More details can be found [here](#) [21].

Source URL: <https://accsys.rmets.org/our-activities/careers/phd-opportunities>

Links

[1] <http://www.lists.rdg.ac.uk/mailman/listinfo/met-jobs>

[2] <http://www.cas.manchester.ac.uk/>

[3] <http://www.walker-institute.ac.uk/>

[4] <http://www3.imperial.ac.uk/climatechange>

[5] <http://www.tyndall.ac.uk/>

[6] <http://www.cru.uea.ac.uk/>

[7] <http://www.ceh.ac.uk>

[8] <mailto:education@rmets.org>

[9] <http://www.atm.ch.cam.ac.uk/>

[10] <http://www.uea.ac.uk/env/>

[11] <https://www.ed.ac.uk/geosciences/postgraduate/phd/programmes-supervisors/physical-sciences/phd-projects/GC>

- [12] <https://www.ed.ac.uk/geosciences/postgraduate/taught-masters/msc-earth-observation>
- [13] <http://www.sp.ph.ic.ac.uk/>
- [14] <http://www.imperial.ac.uk/environmentalscience/teaching/phd/topics/epsrg.htm>
- [15] <http://www.herts.ac.uk/research/stri/research-areas/cair>
- [16] <http://www.see.leeds.ac.uk/study/phd/index.htm>
- [17] <http://cloudbase.phy.umist.ac.uk/>
- [18] <http://www.atm.ox.ac.uk/main/graduates/index.html>
- [19] <http://www.atm.ox.ac.uk/>
- [20] <http://www.met.rdg.ac.uk/pg-research/>
- [21] <http://www.ties.salford.ac.uk/>