

Climate Research in Singapore

Senior Principal Research Scientist

Annual salaries will be in the range of SGD 150K - SGD 235K. The starting salary and the level of entry will depend upon experience. In addition to annual salary, a performance-related bonus payment and relocation allowances will apply.

Appointments will be for a 2-year initial period.

Deadline for applications: 4 September 2015

The Centre for Climate Research Singapore (CCRS) was formally launched in March 2013. The centre's focus is on a number of weather and climate research areas which are of importance to Singapore and the wider Southeast Asian region. The centre is well supported with long-term core funding from the Singapore Government. In addition to the establishment of a number of research positions, a dedicated CRAY XC-30 has been installed to support modelling activities. For further details see <http://ccrs.weather.gov.sg/>.

In the climate area there are three main threads to the existing research activities:

- The provision of climate scenarios for Singapore and the Southeast Asian region. A major project has recently been completed in collaboration with the Met Office Hadley Centre. This involved the regional downscaling of CMIP5 model projections to a finer resolution over Singapore and Southeast Asia and their scientific evaluation. Detailed reports can be found on the CCRS website.
- The fundamental understanding of climate processes and mechanisms that are of first order importance to Singapore and the wider Southeast Asian region. These include tropical convection, monsoon dynamics, MJO and the role of remote teleconnections from ENSO and IOD. Working with global centres, we are also developing our capabilities in sub-seasonal to seasonal prediction for the Southeast Asian region.
- The importance of natural decadal variability of rainfall in the region was a clear conclusion to emerge from the recent national climate scenarios study. A better characterisation and understanding of decadal climate variability and the drivers of changes in extreme weather in the region is required.

There is currently an initial team of 7 scientists and this will be expanded over the next few years. We are looking for a team leader for the climate area to both develop and lead the science programme and to grow the group. We are seeking established scientists with an international reputation and a strong background in climate research. The specific job responsibilities will include:

- To lead and line-manage the research team that is working to better understand and predict climate variability and change in Southeast Asia.
- To undertake and publish their own research in topics important to the region.

- To develop research plans for the climate research activities.
- To provide scientific/technical guidance and training to team members.
- To ensure the appropriate external representation of the centre's climate work via national and international conferences and workshops.
- To collaborate nationally and internationally with key institutions that lead in associated climate research activities. There is also the possibility of developing an affiliated academic position with local universities.
- To engage in an advisory capacity with national level stakeholders who are responsible for climate change policy and planning.

Candidate Requirements

Essential

- A PhD (or equivalent research experience) in a relevant physical science such as meteorology, oceanography, mathematics or physics.
- At least 10 years of post-doctoral research experience, with a proven record of success as demonstrated by publications in peer-reviewed journals.
- Demonstrated ability to inspire, lead and manage a team of PhD level researchers and technical experts.
- Good written and verbal presentation skills.

Non-essential

- Familiarity with tropical/Maritime Continent processes.

Application Details:

For further information, please contact Dr C Gordon, Director of CCRS, at chris_gordon@nea.gov.sg. Interested candidates are invited to apply online at www.nea.gov.sg/careers or the Singapore Public Service Job Portal at www.careers.gov.sg . Alternatively, you can submit your resume to NEA_MSS_Contact@nea.gov.sg.

Only shortlisted candidates will be notified.