Deadline for application: 2 November 2018

The Centre for Climate Research Singapore (CCRS) is offering an exciting job opportunity for a highly motivated senior scientist with a strong background in sea level rise research or related areas and a proven track record in research project management to join CCRS. The work will implement and manage the National Sea Level Programme (NSLP) including its research portfolios and priorities.

**Working conditions and remuneration.**
The position is placed at CCRS, the research department of the Meteorological Service Singapore (MSS). MSS is a division of the National Environment Agency (NEA) of Singapore, which is a statutory board of the Ministry of Environment and Water Resources (MEWR).

Appointments will be for a 2-year initial period with a prospect for extension and/or a permanent position. Annual salaries will be in the range of SGD $84K to $184K. The starting salary and the level of entry will depend on experience. In addition to annual salaries, relocation allowances may apply.

**Background**
The Centre for Climate Research Singapore (CCRS) is the research arm of the Meteorological Service Singapore (MSS). The centre has two main research branches: Weather Modelling and Prediction (WMP) and Climate Modelling and Prediction (CMP). For further details refer to the CCRS website at [http://ccrs.weather.gov.sg](http://ccrs.weather.gov.sg).

As a densely populated island city-state situated in the tropics, Singapore is vulnerable to the effects of climate change. In response to this challenge, the Singapore government has established a Resilience Working Group (RWG) under the Inter-Ministerial Committee on Climate Change to develop plans for Singapore to adapt to the potential impacts and effects of climate change. Climate science underpins the RWG’s work, to ensure adaptation is based on the latest science and robust climate projections. CCRS is the leading national research centre building local research expertise in the weather and climate of Singapore and the wider Southeast Asia region. As such, CCRS delivered a National Climate Change Study released in 2015 to inform policy decisions about adaptation and planning and will update this study with a new set of projections coherent with the international research community agenda.

A particularly important issue for a low-lying island state, such as Singapore, is an understanding of potential sea level rise and storm surges, and their impacts. Sea level rise is a complex, multi-disciplinary issue. It involves domain expertise in atmospheric, cryospheric,
oceanographic and geological components. Information from these various domain areas need to be integrated and analysed together, and customised to the local geographical context, to provide a complete understanding of local sea level rise. There is a need for a coordinated programme bringing together local experts and leading international scientists to ensure the science is optimally integrated across a dispersed research community and so that comprehensive and robust projections are delivered. In response to the challenge, Singapore is launching the 5-year National Sea Level Programme (NSLP), which will be coordinated by CCRS and potentially involve a number of local and international research scientists.

The Deputy Principal / Principal Research Scientist role will be challenging and rewarding. The ideal candidate will have experience with ocean models or coupled atmosphere-ocean models, a deep understanding of the sea level rise issues in climate research and experience in managing large research programmes. The specific job responsibilities of this position are to:

- Manage the National Sea Level Programme (NSLP);
- Keep abreast with the latest international developments in the area of global sea level rise, including the risk of higher-end sea level projections mainly due to an increased understanding of the cryospheric response, as well as the coastal implications across the southeast Asia tectonically active region;
- Coordinate across local research institutions (such as in the universities in Singapore) a coherent portfolio of research projects to achieve the objectives of the national programme;
- Establish relationships with international experts in the area of sea level rise and coastal inundation in order to support and complement research projects undertaken locally to ensure the NSLP delivers a comprehensive perspective on risks associated with sea level rise;
- Link effectively with national agencies involved in sea level adaptation responses and planning under the Resilience Working Group;
- Supervise a research scientist within CCRS working on the generation of local sea level rise projections; and
- Contribute to the scientific communication of the key research findings emerging from the programme in international meetings and peer-reviewed journals.

**Candidate Requirements:**
The ideal candidate will be highly motivated individual, with a strong technical background, a demonstrated ability to organise and manage a large research programme and a passion to engage with stakeholders in order to ensure science delivers good policy development and implementation. Specifically, applicant must be able to demonstrate that they have:

1. PhD in a research area relevant to the topic of sea level rise and a minimum of 12 years’ research experience;
2. Good understanding of the complexity of sea level rise issues across the various components;
3. Ability to lead a complex research programme;
4. Proven record of success as demonstrated by publications in peer-reviewed journals;
5. Ability to supervise and coach less experienced team members in conducting research projects; and
6. Excellent communication skills both written and verbal across technical and non-technical materials.

**Applications Details:**
Interested candidates are invited to provide a full application package, including a CV, a publication list and a detailed description of how the candidate fulfils the (6) position requirements. Send applications to: NEA_MSS_Contact@nea.gov.sg.
Shortlisted candidates will be notified and contacted for further evaluation.