

Dear all

This week we have several job opportunities:

- Several postdoc positions in various aspects of climate science at UNSW as part of the ARC Centre of Excellence for Climate Extremes
- Short-term position for a Python programmer with CSIRO Land and Water in Canberra
- Two PhD projects at Monash University/TheUniversity of Melbourne to statistically explore long-term hydrological change

If you would like something included in this digest please email it to [office@mssanz.org.au](mailto:office@mssanz.org.au)

kind regards, Karen

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### **Postdoc positions at UNSW**

Several postdoc positions in various aspects of climate science are available at UNSW as part of the ARC Centre of Excellence for Climate Extremes.

<https://external-careers.jobs.unsw.edu.au/cw/en/job/501315/research-associate>

<https://external-careers.jobs.unsw.edu.au/cw/en/job/501316/research-associate>

<https://external-careers.jobs.unsw.edu.au/cw/en/job/501318/research-associate>

<https://external-careers.jobs.unsw.edu.au/cw/en/job/501319/research-associate>

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### **Short term position for Python programmer at CSIRO**

CSIRO is searching for a Python programmer who has 30-50 days (full time equivalent) available before 30 June 2021 to complete some well defined tasks. CSIRO has funding but we don't have an available Python programmer. Assuming it was a 40 day project work could be done at say 50% full-time load (about 3.5 hours per day) over 80 days, so it does not require a full-time commitment, and could suit a PhD candidate looking for a short-term position. Briefly, we want to characterise gaps (mainly cloud) in Sentinel-2 satellite remote sensing data for Australia at 5-day, 10-day, 15-day, 20-day and monthly time-steps since its launch. Then as there will be some gaps (e.g., sugar growing areas around Cairns in summer) develop relationships between Sentinel-1 (C-band radar so not impacted by cloud) and cloud-free Sentinel-2 observations and use those relationships to infill the gaps in Sentinel-2 data. Both Sentinel-2 and Sentinel-1 data are available on GEE. If the person has Google Earth Engine (GEE) experience that would be an advantage, though not necessary.

**Contact:**

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## **PhD projects at Monash University/The University of Melbourne**

Two exciting PhD projects available at Monash with Dr Tim Peterson ([tim.peterson@monash.edu](mailto:tim.peterson@monash.edu)). You will work with a dynamic and industry-aligned team at Monash and the University of Melbourne to statistically explore long-term hydrological change (see [presentation-1](#) and [presentation-2](#) for background ideas). Successful applicants will receive a stipend top-up of \$8,000 p.a. tax-free (plus university stipend of \$29k p.a.). For international students, send your CV to Tim by 14 March. For Australian nationals please contact him by 1 May.