# Position Details

## Research Projects- CSOF5

|  |
| --- |
| The following information is for applicants |
| Advertised Job Title | Climate Data Scientist |
| Job Reference | 68664 |
| Tenure | Specified Term of 12 months Full-time |
| Salary Range | AU$106,848 to AU$98,735 pa (pro-rata for part-time) + up to 15.4% superannuation |
| Location(s) | Negotiable (Victoria preferred) |
| Relocation Assistance | Will be provided to the successful candidate if required |
| Applications are open to | * Australian/New Zealand Citizens and Australian Permanent Residents
* Australian temporary residents who have full work-rights for the duration of this contract and do not require visa sponsorship.
 |
| Position reports to the | Team Leader Regional Projections |
| Client Focus – Internal | 50% |
| Client Focus – External | 50% |
| Number of Direct Reports | 0 |
| Enquire about this job | Contact John Clarke via email at john.clarke@csiro.au or phone +61 3 9239 4620 |
| How to apply | Apply online at <https://jobs.csiro.au/> Internal applicants please apply via **Jobs Central**If you experience difficulties when applying, please email careers.online@csiro.au or call 1300 984 220. |

### Role Overview

The Climate Data Scientist will work within the Climate Science Centre’s Regional Projections Team, with a strong focus on the Climate Change in Australia information and data portal. The role is key to developing the underpinning policies, standards and frameworks to ensure transparency, traceability, repeatability and quality assurance of datasets. They will also be instrumental in facilitating data interoperability and curation among private sector, CSIRO, BoM, State, Commonwealth and international data repositories.

### Duties and Key Result Areas

* Consult across the Oceans and Atmosphere Business Unit to facilitate incorporation of datasets and existing tools into the Portal.
* Consult widely among custodians of climate projections data across Australia with a view to developing a nationally federated data network.
* Analyse and process climate datasets to meet identified needs of key stakeholders.
* Coordinate evaluation and quality assurance of projections datasets for which CSIRO is responsible.
* Curate relevant Climate Science Centre datasets (e.g. CCiA).
* Liaise with data custodians to develop standards and policies relevant to the Navigating Climate Change Project.
* Contribute to planning for the Climate Science Centre’s ongoing supercomputing and storage requirements.
* Provide technical assistance with the design of data delivery platforms
* Provide support and technical advice for internal and external users of NCC data and products
* The successful applicant will be given a financial delegation and will have responsibilities for security of datasets, including commercially sensitive and private information.
* Communicate openly, effectively and respectfully with all staff, clients and suppliers in the interests of good business practice, collaboration and enhancement of CSIRO’s reputation.
* Work collaboratively as part of a multi-disciplinary, regionally dispersed research team, and business unit to carry out tasks in support of CSIRO’s scientific objectives.
* Adhere to the spirit and practice of CSIRO’s Code of Conduct, Health, Safety and Environment procedures and policy, Diversity initiatives and Making Safety Personal goals.
* Other duties as directed.

## **Required Competencies**

* **Teamwork and Collaboration:** Cooperates with others to achieve organisational objectives and may share team resources in order to do this. Collaborates with other team as well as industry colleagues.
* **Influence and Communication:** Uses knowledge of other party's priorities and adapts presentations or discussions to appeal to the interests and level of the audience. Anticipates and prepares for others reactions.
* **Resource Management/Leadership:** Sets up and maintains effective and efficient work teams and manages performance and resources, to achieve objectives. Chooses appropriate management strategies and communication styles to maintain high levels of motivation and productivity. Gives feedback for development purposes and provides support and direction for improvement.
* **Judgement and Problem Solving:** Investigates underlying issues of complex and ill-defined problems and develops appropriate response by adapting/creating and testing alternative solutions.
* **Independence:** Plans, sets and works to meet challenging standards and goals for self and/or others. Recognises where endeavours will make the most impact or difference, decides on desired outcome and sets realistic goals to reach this target.
* **Adaptability:**Copes with ambiguity or situations that lack clarity. Adapts readily to changing circumstances and new responsibilities (which may include activities outside own preferences) in the interests of achieving team objectives. Recognises the need for and undertakes personal development as a result of changes.

## **Selection Criteria**

#### Essential

*Under CSIRO policy only those who meet all essential criteria can be appointed.*

1. A relevant tertiary qualification or equivalent relevant work experience in climate data analysis.
2. Extensive experience using and managing large and complex datasets, preferably in the climate sciences.
3. Demonstrated experience in scripting and programming languages such as Python, R, Fortran 90, C++, UNIX and Shell.
4. Demonstrated written and verbal communication skills including the ability to document results and communicate effectively with colleagues and clients in order to meet projects goals and timelines.
5. Demonstrated ability to work effectively as part of a multi-disciplinary, regionally dispersed research team, and carry out tasks autonomously in support of scientific research.

## **Desirable**

1. Demonstrated ability to manage and curate large data collections.
2. High level skills in Python programming.

Special Requirements

* The successful candidate will be asked to obtain and provide evidence of a National Police Check or equivalent. Please note that people with criminal records are not automatically deemed ineligible. Each application will be considered on its merits.
* If the successful candidate is not an Australian Citizen or Permanent Resident, they may be required to undergo additional security clearances, which may include medical examinations and an international standardised test of English language proficiency (i.e. IELTS test- https://ielts.com.au/)

## **About CSIRO**

We solve the greatest challenges through innovative science and technology. To find out more visit us [online](http://www.csiro.au/)!

Find out more about CSIRO [Oceans and Atmosphere](https://www.csiro.au/en/Research/OandA)

Find out more about the [O&A Climate Science Centre](https://www.csiro.au/en/Research/OandA/Areas/Assessing-our-climate/Climate-Science-Centre)

Visit the [Climate Change in Australia website](https://climatechangeinaustralia.gov.au/en/)