# Research Projects – CSOF4

Role summary for potential applicants

|  |  |
| --- | --- |
| Advertised Job Title**:** | Experimental Scientist  |
| Reference Number**:** | 58319 |
| Classification**:** | CSOF4 |
| Salary Range: | AU $82,450 to AU $93,280 plus up to 15.4% superannuation |
| Location**:** | Aspendale preferred; applications for Hobart will also be considered |
| Tenure: | Indefinite |
| Relocation assistance**:** | Will be provided to the successful candidate if required. |
| Applications are open to: | * Australian/New Zealand Citizens and Australian Permanent Residents Only
 |
| Functional Area**:** | Research Projects |
| % Client Focus - Internal: | 0% |
| % Client Focus - External: | 100% |
| Reports to the: | Team Leader, Regional Projections, Climate Science Centre  |
| Number of Direct Reports: | 0 |

|  |
| --- |
| **Role Overview:** |
| The role of Research Projects staff in CSIRO is to collaborate in scientific activities with other research staff usually by assisting with detailed planning, undertaking or assisting with experimental and observational work, and in carrying out the more practical aspects of the work. At senior levels, Research Projects staff may be involved in providing consulting services, science management and/or industry liaison.In this role, the Research Project Officer will work on processing and analysis of global and regional climate model datasets, climate projections and delivery of products and services to next/end-users. |

|  |
| --- |
| **Duties and Key Result Areas:** |
| * Management and analysis of large climate datasets
* Scientific programming and data analysis to support climate research activities
* Engage users of climate projections to ensure needs are met with targeted products and services
* Develop and maintain effective relationships with next/end-users in Australia and in the Asia-Indo-Pacific region
* Collaborate with researchers in other disciplines who are undertaking climate impact assessments to inform adaptation
* Contribute to publication of findings in journal papers, conference abstracts, consultancy reports, brochures and web-pages
* Contribution to effective functioning of a research team
* Communicate effectively and respectfully with all staff, clients and suppliers in the interests of good business practice, collaboration and enhancement of CSIRO’s reputation.
* Work as part of a multi-disciplinary, often regionally dispersed research team, to carry out tasks under limited direction in support of scientific research.
* Work collaboratively with colleagues within the team, the Business Unit and across CSIRO, to reach objectives.
* Allocate activities, direct tasks and manage resources to meet objectives.
* Foster open communication, provide coaching and on-the-job training to both project support and research colleagues, as required, and provide recognition and acknowledgement for staff achievements.
* Adapt and/or develop original experimental methods/equipment/software/concepts/ ideas in support of existing and further research.
* Adhere to the spirit and practice of CSIRO’s Values, Health, Safety and Environment plans and policies, Diversity initiatives and Zero Harm goals.
* Other duties as directed.
 |

|  |
| --- |
| **Selection Criteria:** |
| *Under CSIRO policy only those who meet all essential criteria can be appointed****Pre-Requisites:***1. **Education/Qualifications:** Relevant Bachelors/Masters Degree in science, preferably with major subjects in physical sciences including Atmospheric Science, Physics, Mathematics or Geography or equivalent experience.
2. **Behaviours:** A history of professional and respectful behaviours and attitudes in a collaborative environment.
3. **Adaptability:** The ability to effectively manage a number of competing priorities simultaneously, and carry out non-routine tasks under limited direction.
4. **Problem Solving:** Proven ability to investigate underlying issues of complex and ill-defined problems and develop appropriate responses by adapting/creating and testing alternative solutions**.**

***Essential Criteria:***1. Demonstrated experience using and managing large climate, weather or related datasets.
2. Well-developed skills in data analysis and scientific programming (e.g. Python, R, Unix, Shell) and experience manipulating NetCDF files.
3. Evidence of strong written and verbal communication skills including the ability to document results and communicate effectively with colleagues and clients using a variety of communication methods (e.g., brochures, reports, papers, training courses).
4. Demonstrated understanding of climate science and climate change
5. The ability to work effectively as part of a multi-disciplinary, regionally dispersed research team, and work autonomously in support of scientific research; using well developed time management skills to meet project goals and timelines
6. Demonstrated ability and willingness to contribute novel ideas and approaches in support of scientific investigations.

**Desirable Criteria:**1. Experience with web page development, particularly using Django and Javascript

**As Australia’s Innovation Catalyst, CSIRO has strategic actions underpinned by behaviours aligned to**:* Excellent science
* Inclusion, trust & respect
* Health, safety & environment
* Delivery on commitments.

**In your application and at interview you will need to demonstrate alignment with these behaviours.*****Other special requirements:***To be eligible for this position you must be willing and able to undertake travel, both nationally and internationally.  |

|  |
| --- |
| **Other Information:** |
| **How to Apply**Please apply for this position online at <https://jobs.csiro.au/> and enter requisition number **58319**. Internal applicants please apply via ‘Jobs Central’ in SAP (click ‘Recruitment’) Your application should comprise **one document** which incorporates the latest version of your CV plus a covering letter and addressing the selection criteria.  **We require that you address the selection criteria in writing providing evidential examples of your experience in terms of desirable and essential selection criteria.** (All of the latter to be uploaded under “Resume/Cover Letter”). **Please ensure your application does not exceed 2MB.**If you experience difficulties applying online call 1300 984 220 for assistance. Outside Australian business hours please email: csiro-careers@csiro.au. **Contact:** If after reading the selection documentation you require further information please contact: Mr John Clarkevia email: John.Clarke@csiro.au or phone: 03 9239 4620Please do not email your application directly to Mr Clarke. Applications received via this method will not be considered.**About CSIRO**Australia is founding its future on science and innovation. Its national science agency, the Commonwealth Scientific and Industrial Research Organisation (CSIRO) is a powerhouse of ideas, technologies and skills for building prosperity, growth, health and sustainability. It serves governments, industries, business and communities across the nation. Find out more! [www.csiro.au](http://www.csiro.au). We work flexibly at CSIRO, offering a range of options for how, when and where you work. Talk to us about how this role could be flexible for you. Find out more! [CSIRO Balance](https://www.csiro.au/en/Careers/A-great-place-to-work/Work-life-balance) **CSIRO’s** [**Ocean and Atmosphere**](http://www.csiro.au/en/Research/OandA/About)research is uniquely placed to deliver significant economic, social and environmental benefits for Australia and the region. We seek to secure Australia’s future through our seas and skies.  Understanding our oceans, coasts, climate and atmosphere is fundamental to Australia’s sustainable development and prosperity. |