



A NEW OUTLOOK FOR YOUR CAREER

Computational Scientist

APS Level 6

JOB REFERENCE NUMBER	60012710
CLASSIFICATION	APS Level 6 (Information Technology Officer Class 2)
GROUP	Science & Innovation
PROGRAM	Research to Operations
LOCATION	Melbourne
STATUS	Ongoing
WORKING HOURS	Both full time and part time will be considered
SALARY RANGE	\$80,665 to \$91,713, plus an additional 15.4% superannuation
CLOSING DATE	11:30pm AEST/AEDT Thursday 17 th December 2020
APPLICANTS	Australian Citizenship – see Eligibility Requirements
CONTACT OFFICER	Julian Lerat - Team Leader, Post-Processing & Downstream Data Services Unit Phone: 02 6232 3578 Email: Julien.lerat@bom.gov.au



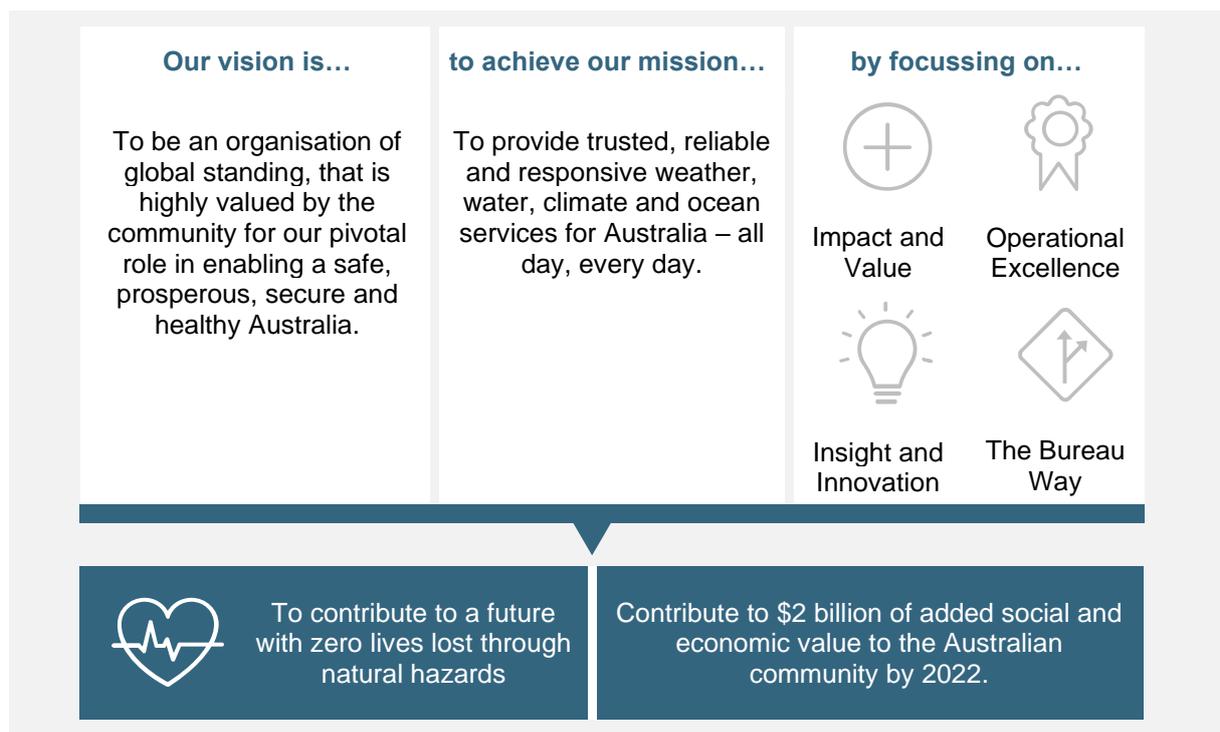
ABOUT US

The Bureau of Meteorology is one of the few organisations that touches the lives of all Australians and all Australia, every day. The Bureau works across Australia and remote islands, providing services from the Antarctic to beyond the equator, and from the Indian Ocean to the Pacific.

We are Australia's national weather, climate and water agency, in the Agriculture, Water and Environment portfolio of the Australian Government, operating under the authority of the Meteorology Act 1955 and the Water Act 2007. We provide data, information, knowledge, insight and wisdom to help Australians prepare and respond to the realities of their natural environment, including droughts, floods, fires, storms, tsunamis and tropical cyclones.

Our products and services include observations, forecasts, analysis and advice covering Australia's atmosphere, water, oceans and space environments. We undertake focussed scientific research in support of our operations and services. Through regular forecasts, warnings, monitoring and advice, we provide one of Australia's most fundamental and widely used public services.

We have strong relationships with our customers, partners and stakeholders in Australia, including the Australian Community and the emergency services sectors, all-levels of Government, and focus sectors including aviation, agriculture, energy and resources, national security and water.





WORKING AT THE BUREAU

The Bureau represents a dynamic and exciting opportunity. A role with the Bureau involves:

OUR WORK	OUR PEOPLE	OUR ENVIROMENT	OUR EXPIERENCE
Purpose-driven impactful work that brings real benefit to the Australian Community, businesses and industry.	A deeply passionate and highly skilled workforce that continuously challenges the status quo to achieve greater impact and experiences for our colleagues and customers.	A world class organisation with excellent workplaces in great locations, access to cutting-edge technology and a safe and inclusive environment for everyone.	A commitment to professional development and growth, backed by clear career pathways and training opportunities, and complimented by a competitive remuneration package.

POSITION OVERVIEW

The Post-processing and Downstream Data Services Unit in the Research to Operations (R2O) program is responsible for the development of customised data and forecast services. The role of this team is to design and develop high quality systems to process outputs from climate, ocean and water models and create targeted services allowing fast data access and visualisation for a range of Bureau customers and research partners.

We are looking for a web developer to design sophisticated data access software services to support the seamless access and visualisation of large terabyte data stores of research and operational products. The successful candidate will be familiar with cloud technologies and scientific computing workflows. In addition, the candidate will contribute to the maintenance, monitoring and support of the systems to ensure a high standard of product delivery to Bureau customers and research partners.

The successful candidate will have highly developed professional skills, and will be experienced in working collaboratively in teams, as well as taking responsibility for critically important operational work.

ROLE RESPONSIBILITIES

The responsibilities of the role include but are not limited to:

1. Collaborate with project teams to design, develop, document and trial the next generation of collaborative services for data access and server-side processing, meta-data standards and protocols, and the required support for applications and client services to access the data.
2. Participate in the coordination and management of R2O application software environments, source code repositories, and programming standards.
3. Document services, applications and software systems, write technical reports, and participate in science papers as required to ensure the software quality and documentation is sufficient for collaborative research, knowledge transfer, operational transitions, and publication.



4. Participate in related IT software and data management discussions within the Bureau of Meteorology and with external collaborators, organise user seminars and training for data access services and knowledge transfer.
5. Be aware of, and apply as necessary, the principles and practices of the various elements of the Bureau's Commitment to Diversity and Inclusion.
6. Complying with all Bureau work, health and safety policies and procedures, and taking reasonable care for your own health and safety and that of employees, contractors and visitors who may be affected by your conduct.

SELECTION CRITERIA

The Bureau encourages applications from all suitably qualified candidates. Applications will be considered based on alignment with selection criteria, which have been matched to the APSC Work Level Standard and Integrated Leadership Systems for APS Level 6 positions.

1. Experience with the configuration and maintenance of a web-service and data access service in a research or operations environment; preferably with experience in OPeNDAP data access protocols, geospatial web service protocols, authentication methods, and client application programming interfaces to data services.
2. Experience with the development and implementation of web applications in cloud computing environments.
3. Experience in writing, debugging, analysing and tuning software codes to support web applications using Unix shells, Python, PHP and javascript.
4. Experience in using scientific and meteorological data formats, metadata standards, analysis and visualization methods.
5. Experience communicating technical information to a wide variety of audiences.
6. Awareness and understanding of the major elements of the Social Justice Program, including the principles and practices of Workplace Diversity, Occupational Health and Safety and Participative Workplace Practices and a commitment to apply these in practice.

Mandatory qualifications:

An Associate Diploma or Certificate IV in Information Technology or higher; OR a relevant industry certification ie. Cisco Certified Network Associate (CCNA), Microsoft Certified Engineer (MSCE) or Red Hat Certified Engineer (RHCE); OR relevant experience and training which enables the employee to competently perform the duties at this level.

Desirable qualifications:

- Academic qualifications in a physical science, mathematics, engineering, computer science or other IT discipline.
- A degree or diploma of an Australian educational institution, or a comparable overseas qualification, which is appropriate to the duties; OR other comparable qualifications, which are appropriate to the duties.

MERIT POOL

The selection process will establish a merit pool that may be used to fill similar positions within 12 months.



HOW TO APPLY

Applications can be lodged through [BOMCareers](#).

Your application will consist of resume, contact details for two referees and a '800-word pitch' that considers:

- position overview
- job responsibilities
- selection criteria
- relevant sections of the [Integrated Leadership System \(ILS\)](#) and [APS work level standards](#).

The Bureau is an equal opportunities employer. We will support applicants with disability through our [RecruitAbility Program](#) and will provide reasonable adjustments such as access, equipment and other practical support at relevant stages of the recruitment process.

We recognise the need for our workforce to reflect the community we serve and provide an inclusive environment that respects and values diversity and is described in our [Diversity and Inclusion Statement of Commitment](#). We strongly encourage qualified applicants from diverse backgrounds to apply.

The Bureau offers flexible working options, reasonable workplace adjustments and an Employee Assistance Program (EAP). Should you have any questions or experience any difficulties with applying online, please contact the Recruitment Team on BOMCareers@bom.gov.au

COVID-19 RESTRICTIONS

We understand there are unique and evolving challenges due to the current COVID-19 pandemic. The Bureau is responsive and making changes to ensure the safety of all candidates and our team.

Under the relevant legislation and guidance of the National Chief Medical Officer:

- Currently all interviews will be held via audio/video conference (across a range of platforms to accommodate personal requirements) unless otherwise advised.
- The successful candidate may be required to carry out the duties remotely for either a period or until otherwise advised.

ADDITIONAL INFORMATION

To find out more about the employment conditions at the Bureau, please refer to the Bureau of Meteorology [Enterprise Agreement 2018](#).