# Position Details

## Research Projects- CSOF6

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| The following information is for applicants |
| Advertised Job Title | Infrastructure Development Lead – AusCalVal Facility |
| Job Reference | 84642 |
| Tenure | Specified Term ending 30 June 2025 Full-time or Part-time (minimum 0.8FTE) |
| Salary Range | AU$117k - AU$138k pa (pro-rata for part-time) + up to 15.4% superannuation |
| Location(s) | Canberra (ACT), Adelaide (SA) or Perth (WA) |
| Relocation Assistance | Will be provided to the successful candidate if required |
| Applications are open to | Australian Citizens only |
| Position reports to the | Manager, AusCalVal Facility, CSIRO Space & Astronomy |
| Client Focus – Internal | 20% |
| Client Focus – External | 80% |
| Number of Direct Reports | ~2 (tbc) |
| Enquire about this job | Alex Held via email: Alex.Held@csiro.au  |
| 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. |

**Acknowledgement of Country**

CSIRO acknowledges the Traditional Owners of the land, sea and waters, of the areas that we live and work on across Australia. We acknowledge their continuing connection to their culture and pay our respects to their Elders past and present. View our [vision towards reconciliation](https://www.csiro.au/en/about/Indigenous-engagement/Reconciliation-Action-Plan).

### Role Overview

The **Infrastructure Development Lead – AusCalVal Facility** is a leadership role in a new program of Earth observation activities being established to support the implementation of the recently released Australian Government [Earth Observation from Space Roadmap](https://www.industry.gov.au/data-and-publications/earth-observation-from-space-roadmap-2021-2030) (‘EO Roadmap’), including the National Space Mission for Earth Observation (NSMEO).

The **Infrastructure Development Lead – AusCalVal Facility** supports the Manager AusCalVal Facility in undertaking detailed infrastructure planning, and leads relevant engineering siting studies with CSIRO experts and contractors. The Infrastructure Development Lead – AusCalVal Facility leads the subsequent progressive roll-out of associated engineering works, and operation and maintenance of new national cal/val sites across Australia, incorporating, where appropriate, existing sites already in place for calibration and validation. This role also liaises and coordinates with fellow Australian Government agencies on the necessary quality control, processing, packaging and delivery steps of the calibration and validation data produced by the AusCalVal Facility to relevant users.

The NSMEO program will build sovereign space industry capability through the design, construction, launch and ongoing operation of several new Earth observation satellites. These will be procured by the Australian Space Agency, operated by Geoscience Australia, and CSIRO will support the calibration of the satellites. CSIRO will lead the development and maintenance of a national network of several new ground-based satellite calibration and validation sites across Australia. This infrastructure network will support domestic and international operators to calibrate their satellites and verify the data they collect to ensure its accuracy.

CSIRO is home to extensive Earth observation (EO) science and research capabilities across the organisation, and operates satellite data analytics platforms, satellite calibration infrastructure and the Australian share of the NovaSAR-1 satellite. CSIRO has established and operated Earth Observation satellite calibration sites across Australia for over 15 years, including for example in Pinnacles in Western Australia and Lucinda in Queensland.  CSIRO aims to continue to grow this capability in support of the NSMEO, through further development of the AusCalVal Facility. This will be done in close collaboration with participating Commonwealth Agencies and the Earth Observation community and aims to fulfill the vision of the recently published [AusCalVal Report](https://frontiersi.com.au/wp-content/uploads/2021/05/FrontierSI_AusCalVal_27052021_Final.pdf.pdf) that was produced by CSIRO and Australia’s Earth observation community.

CSIRO Space and Astronomy is committed to providing a safe and inclusive work culture and implementing initiatives to improve diversity and equity within our workplace. This role is offered on a full‐time or part‐time (minimum 0.8 FTE) basis.

### Duties and Key Result Areas

* Coordinate cal/val siting and engineering studies for new cal/val sites and upgrade of existing sites.
* Oversee relevant engineering works by external contractors undertaking siting works.
* Procure infrastructure and instrumentation required for AusCalVal sites.
* Oversee the day-to-day operation of the AusCalVal facility and associated field sites and their regular maintenance.
* Work collaboratively as the leader of a professional team from related disciplines, in support of CSIRO’s scientific objectives.
* Coordinate calibration data management and distribution with partner agencies.
* Represent CSIRO in external forums as required.
* Play a key advisory role in decisions concerning scientific and/or technological direction.
* Maintain an awareness of trends in, technology and cross-functional technological/scientific innovations to target opportunities for uptake.
* Promote, influence and adhere to the spirit and practice of CSIRO’s Values, Code of Conduct, Health, Safety and Environment procedures and policy, Diversity initiatives and Zero Harm goals.
* Liaise closely, effectively and respectfully with all staff, clients and suppliers in the interests of good business practice, collaboration and enhancement of CSIRO’s reputation.
* Other duties as directed.

**Selection Criteria**

**Essential**

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

1. A relevant trade certificate/diploma/bachelor’s/engineering degree or equivalent relevant work experience in the use of scientific instrumentation and establishment of associated laboratory facilities.
2. Demonstrated project management and team management experience which has successfully delivered projects to time, budget and scope.
3. Demonstrated work experience on multi-agency, multi-partner collaborative research projects or engineering programs.
4. Experience or working knowledge in relevant laboratory data management concepts, curation and distribution.
5. Experience or working knowledge in satellite data management and associated computing and online tools.
6. Excellent written and oral communication skills, and a strong history of working effectively in teams.

**Desirable**

1. Experience planning and leading engineering works associated to scientific installations in remote settings.
2. A working knowledge of satellite Earth observation technologies and applications.

## **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:** Identifies critical stakeholders and influences them via an influential third party, for example through an established network, to gain support for sometimes contentious, proposals / ideas.
* **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:** Anticipates and manages problems in ambiguous situations. Develops and selects an appropriate course of action and provides for contingencies. Evaluates, interprets and integrates complex bodies of information and draws logical conclusions, synthesises proposals and defends options with reasoned arguments.
* **Independence:** Assesses the risk and opportunity of identified strategies, options and actions. Overcomes problems and setbacks in achieving goals. Invariably includes consideration of value-added future impact on bottom line when determining the optimal and efficient use of resources.
* **Adaptability:**Demonstrates flexibility in thinking and adapts to and manages the increasing rate of organisational change by adjusting strategies, goals and priorities.

Special Requirements

The successful candidate will be:

* Asked to obtain and provide evidence of a National Police Clearance or equivalent. Please note that individuals with criminal records are not automatically deemed ineligible. Each application will be considered on its merits.
* Required to obtain and maintain a Baseline security clearance.
* Willing and able to frequently travel interstate to engage with local technical experts and land-custodians, and oversee and coordinate site works and contractor progress.

## **About CSIRO**

We solve the greatest challenges through innovative science and technology. Visit [CSIRO Online](http://www.csiro.au/) and [Space and Astronomy](https://www.csiro.au/en/Research/Astronomy) for more information.

CSIRO is a values-based organisation.  In your application and at interview you will need to demonstrate behaviours aligned to our values of:

* People First
* Further Together
* Making it Real
* Trusted