# Position Details

## Research Consulting - CSOF6/7

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| The following information is for applicants | |
| Advertised Job Title | Digital Development Lead |
| Job Reference | 80841 |
| Salary | Attractive salary package to be negotiated |
| Tenure | Specified Term of up to 4 years  Full time or part time may be considered |
| Location(s) | Melbourne preferred, other locations negotiable |
| Relocation Assistance | Will be provided to the successful candidate if required |
| Applications are open to | All Candidates |
| Position reports to the | Team Leader |
| Number of Direct Reports | 0 |
| Enquire about this job | Cameron Fletcher via email cameron.fletcher@csiro.au or  phone +61 7 4091 8820 |
| How to apply | Internal applicants please apply via **Jobs Central**  If you experience difficulties when applying, please email [careers.online@csiro.au](mailto:careers.online@csiro.au) or call 1300 984 220. |

### Role Overview

CSIRO is the national science agency that undertakes research to make life better for Australia and Australians. CSIRO have partnered with the Bureau of Meteorology, Geoscience Australia, and the Australian Bureau of Statistics in creating the newly established Australian Climate Service.

The Australian Climate Service (ACS) was established to address a series of recommendations from the Royal Commission into National Natural Hazard Arrangements, and will be the Commonwealth’s trusted provider of data, information and knowledge-based services to support improved preparation for, response to and recovery from natural disasters, reducing risk and building resilience, in Australia. It brings together Australia’s leading climate and natural disaster information and expertise in a customer-led and mission-focussed national capability.

The ACS has commenced a major 4-year program of work, in which CSIRO will lead a series of customer-oriented projects. We are seeking an experienced and talented Digital Development Lead to oversee integrated technical design and delivery of digital infrastructure and outputs across these large and complex projects.

This role will drive and lead the technical and strategic design and delivery of digital products, outcomes and infrastructure underpinning CSIRO’s ACS delivery. The successful candidate will lead and strategically manage the design of the digital infrastructure integrating data and digital capabilities across ACS projects, including:

1) the conceptual design of digital infrastructure and technical systems architecture;

2) the integration of digital platforms to implement infrastructures;

3) working with domain experts such as socio-technical architects, ecological process modellers, or integration modellers to ensure digital platforms enable efficient workflows that can scale up to meet the national-scale challenge of ACS;

4) the delivery of digital products to decision makers using online dashboards and other interactive decision-support capabilities; and

5) oversight of overall external facing web-presence for digital tools and products.

This role will work closely with ACS Project Leaders, the CSIRO’s ACS co-ordinator, and the Social Architecture Lead to ensure a strategic approach to the delivery of digital systems and tools that is aligned with identified customer needs.

The role will be based within CSIRO Land & Water (L&W). Through an integrated systems research approach CSIRO L&W provides the information and technologies required by government, industry and the Australian and international communities to protect, restore, and manage natural and built environments. This role may also work with and support other projects across CSIRO L&W’s portfolio of activity.

CSIRO L&W is recruiting several new roles to support delivery of the ACS portfolio of projects. These new roles will involve engagement internally within CSIRO; across the Australian Climate Service partnership; with ACS customer agencies; and other partners, collaborators and end-users.

Applications are invited across two job classification levels and the successful candidate will be appointed at the level commensurate with their skills and experience.

**Duties and Key Result Areas:**

This role will work with ACS Project Leaders, CSIRO’s ACS Coordinator and business development officers in CSIRO to:

* Lead the strategic conceptual and technical design of sustainable digital infrastructure and platforms, working with domain experts to enable efficient workflows that can scale up to meet national challenges
* Design, coordinate and lead digital delivery mechanisms for producing scientific outputs
* Develop a coherent technical architecture that coordinates and links the models and scientific workflows being developed across multiple ACS projects to facilitate simulation of complex land and water systems and drive innovation in the ability to deliver national-scale environmental science targeted to customer needs.
* Provide technical leadership to key relationships around issues such as data standards and exchange formats to ensure the smooth digital flows necessary to deliver ACS at scale.
* Be accountable for the quality of the results delivered, the alignment of the project activities with the business, research and/or technology directions.
* Maintain a sound understanding of the client’s business or a market opportunity, negotiate work requirements with clients or project teams and ensure that client and project team needs are met.
* Act as a trusted advisor and demonstrate creativity to determine and anticipate client or project needs.
* Identify and adapt quickly to changes in client or project needs and changes in the external environment.
* Gain the support of influential clients for the goals of their project(s).
* Represent the organisation in external scientific or technological forums as required and may establish and lead such forums.
* 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 to carry out tasks in support of CSIRO’s scientific objectives.
* Adhere to the spirit and practice of CSIRO’s Values, 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:** Creates and fosters an environment in which there is a high level of cooperation within and between teams. Facilitates positive team relationships to build interactions across Business Units and the organisation.
* **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:**Is flexible in response to external change or when faced with external constraints. Identifies and promotes the opportunities arising as a result of change.

## **Selection Criteria**

#### Essential

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

1. Proven experience and strategic leadership in information architecture design including reusable cloud workflows, and leading teams in large system software development environments
2. Proven experience managing the successful delivery of ‘digital transformation’ and/or major R&D platform / data infrastructure.
3. Knowledge of professional software engineering practices and the full software development life cycle, including coding standards, architecture/design patterns, distributed systems, code reviews, source control management, build processes, testing, and operations.
4. Demonstrated ability to build relationships, work collaboratively and manage complex professional relationships.
5. Excellent communication skills with an ability to deliver presentations and written outputs to internal and external stakeholders at workshops, conferences and seminars.

#### Desirable

1. Experience in at least one area of relevance to resilience, disaster risk reduction, or climate adaptation science.
2. Experience in working with distributed geospatial software systems.

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.

## **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

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

* 1. People First
  2. Further Together
  3. Making it Real
  4. Trusted

Find out more about CSIRO [Land and Water](https://www.csiro.au/en/Research/LWF)

Find out more about CSIRO’s research on Climate and Disaster Resilience <https://research.csiro.au/dsp/climate-and-disaster-resilience/> and <https://research.csiro.au/enabling-resilience-investment/>

Find out more about the Australian Climate Service <https://www.acs.gov.au/>