# Position Description

## General Management – CSOF7

The following information is for applicants

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| Advertised Job Title**:** | Executive Manager – Scientific Computing Platforms |
| Job Reference: | 61153 |
| Relocation Assistance**:** | Will be provided to the successful candidate if required. |
| Applications Are Open To: | Australian Citizens Only |
| Percentage of Client Focus - Internal: | 80% |
| Percentage of Client Focus - External: | 20% |
| Reports to the: | IMT Deputy Director – Chief Technology Officer and Scientific Computing Program Leader |
| Number of Direct Reports: | 5 |
| Name and Contact Details For Applicant Enquiries: | Angus Macoustra – 02 6214 2909 |
| Contact Details For Applying: | Call 1300 984 220 or email [careers.online@csiro.au](mailto:careers.online@csiro.au). |
| How to Apply: | Please apply online at [jobs.csiro.au](https://jobs.csiro.au/) and enter the requisition number**.** Internal applicants please apply via ‘Jobs Central’ through the ‘People Hub’ icon |

## Role Overview:

The role of *Executive Manager – Scientific Computing Platforms* is to provide leadership and management to the Platforms Group within CSIRO’s Scientific Computing Program. Scientific Computing Platforms provide end-to-end infrastructure ranging from management of physical data centre facilities, corporate IT hosting infrastructure and leading edge High Performance data processing tools and platforms. The team manages platforms hosting over 40PB of primary data, and a proportionate computational and network fabric including supercomputers with aggregate performance of ~3 petaflops, HPC Cloud and a highly versatile and robust corporate hosting platform.

The Executive Manager implements the vision and direction of the group, and leads its direction setting and planning, to deliver services, outputs, and outcomes that support the CSIRO business. The key strategic focus for the role is supporting CSIRO Science Impact through facilitating fit for purpose data centre facilities, HPC, hybrid cloud and data platforms and services that allow CSIRO business units to best exploit our world class computing and data infrastructure, applying digital tools and workflows as part of their scientific research. Additionally, the executive manager positions the group as a service provider to other Information Management and Technology groups, so as to provide robust, scalable and resilient hosting environments for CSIRO’s major business systems.

The Executive Manager is an important leadership role that is focused on strategic alignment, maintaining and developing capability, standards, processes and procedure so as to ensure effective delivery of enterprise services.

It is expected that the Executive Manager devotes significant time to operational and capability management, while maintaining active customer engagement with the CSIRO business, and leadership to IMT projects. Service Management, performance and monitoring is an ongoing focus, along with financial and procurement management.

**Security Clearance**: This is a security assessed position and the successful applicant will be required to obtain and maintain a security clearance of NV1 (SECRET).

## Duties and Key Result Areas:

**Strategic alignment of services**

* *Lead the delivery of Scientific Computing Platforms*
* *Provide leadership across the Scientific Computing Program to ensure alignment of delivery across the program’s constituent groups*
* *Develop strategic responses to identified opportunities/threats to maintain and/or improve service delivery and capabilities*
* *Partner with other national eResearch providers to exploit the synergies and efficiencies of a coordinated and integrated approach to national capabilities*

**Capability Leadership**

* *Strive for “Zero Harm” (physical and psychological) and actively promote a healthy, safe, diverse* *and environmentally sustainable workplace*
* *Attract, develop and retain world class talent which will meet current and future needs of the Group*
* *Model appropriate and professional behaviours in the workplace and proactively manage people matters*
* *Establish and maintain a capability profile aligned with emerging demand for Scientific Computing*
* *Promote and maintain a culture of professional excellence within the group*
* *Oversee performance and personal development planning for the group*
* *Communicate and reinforce mandatory organisational training requirements*

**Resource Leadership**

* *Manage financial resources, people, infrastructure and other assets to ensure their effective and efficient use*
* *Monitor financial and project performance as appropriate*
* *Ensure effective management of physical infrastructure and resources in an environmentally sustainable way*
* *Contribute to long term planning for future scientific computing infrastructure and capability requirements*
* *Contribute to development and implementation of standards, procedures and processes advancing CSIRO's strategy, while supporting Business Unit needs*
* *Monitor compliance with and report on performance against relevant standards/ procedures, proposing remedial steps where necessary*
* *Manage the Scientific Computing Platforms budgets, licensing and procurement activities*
* *Manage efficient and cost effective delivery of Scientific Computing in accordance with approved strategic and operational plans*
* *Develop and implement initiatives to improve the efficiency and effectiveness of Scientific Computing*

**Engagement and Partnerships**

* *Convey Scientific Computing strategy and Program goals to internal and external stakeholders*
* *Cultivate cross-CSIRO and inter-agency networks to execute IMT’s Scientific Computing strategy*
* *Coordinate engagement of program staff with key stakeholders and clients*
* *Develop and maintain national and/or international collaborations and professional networks to keep abreast of emerging advances in Scientific Computing*
* *Engage with customers/stakeholders/partners and identify opportunities for future collaboration – including with other CSIRO Businesses, national research agencies and institutions*
* Other duties as directed

## CSIRO Competencies:

1. **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 organisational interaction across CSIRO.**
2. **Influence and Communication: Uses complex influencing strategies, for example, assembling strategic coalitions, building behind the scenes support and the tactical use of information to gain support.**
3. **Resource Management/Leadership: Provides leadership that fosters an environment that encourages new ideas and provides support for the development of emerging skills. Creates trust by displaying consistency and understanding through integrity and patience. Plans, seeks, allocates and monitors resources to achieve outcomes.**
4. **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.
5. **Independence: Commits significant resources in the face of uncertainty and takes calculated risks to improve performance and achieve challenging goals. Uses personal energy to drive change strategies. Formulates and implements contingency plans to minimise the impact of potential risks. Accepts personal responsibility for the outcomes of decisions/risks taken.**
6. **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:

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

1. Demonstrated ability to think strategically and apply organisational context to strategic plans specifically with research organisations.
2. Demonstrated expertise in complex enterprise level IT platforms including the supporting service and business processes.
3. Demonstrated experience in aligning strategic development with operational and technological plans.
4. Experience in designing and delivering technology solutions supporting research outcomes enabling an understanding of IMT’s unique customer groups and their requirements.
5. Demonstrated knowledge, understanding and commitment to principles of Workplace Diversity; Equal Employment Opportunity; Occupational Health, Safety and Environment; and Employee Participation.
6. **A strong history of establishing and working effectively in teams, and a** record of leadership which encourages new ideas, builds trust and provides support for the development of emerging skills, including influencing staff in observing corporate and professional standards, acting as trusted advisers, and fostering effective client relationships.

## Desirable Criteria:

1. Experience or the ability to demonstrate a commitment to delivering outcomes in eResearch, scientific computing or other innovation centric environments.
2. An IT or computer science tertiary qualification or equivalent industry experience.

## Special Requirements:

This is a security assessed position and successful applicants will be required to obtain and maintain a security clearance at Negative Vetting 1(NV1) level.

To obtain an Australian Government security clearance you must be an Australian Citizen. Applicants seeking sponsorship or who only hold residency status will not be considered.

## About CSIRO:

We imagine. We collaborate. We innovate. To find out more visit us [online](http://www.csiro.au/)!

Find out more about CSIRO [Scientific Computing](https://www.csiro.au/en/Research/Technology/Scientific-computing)