# Position Details

## Research Projects- CSOF4

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| The following information is for applicants | |
| Advertised Job Title | Programmer Modeller & Data Analyst |
| Job Reference | 77265 |
| Tenure | Specified Term of 3 years  Full-time |
| Salary Range | AU$85,361 to AU$96,573 pa + up to 15.4% superannuation |
| Location(s) | Brisbane preferred; Adelaide considered |
| Relocation Assistance | Will be provided to the successful candidate if required |
| Applications are open to | Australian Citizens Only |
| Position reports to the | Team Leader, Resource Planning and Optimisation |
| Client Focus – Internal | 0% |
| Client Focus – External | 100% |
| Number of Direct Reports | 0 |
| Enquire about this job | Andrew Higgins via email at Andrew.Higgins@csiro.au or phone +61 3833 5738 |
| 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](mailto:careers.online@csiro.au) or call 1300 984 220. |

### Role Overview

This role is responsible for providing technical support for existing tools (TraNSIT Web and Supply Chain Benchmarking Dashboard), and modelling and analysis support as part of delivering to externally funded projects to clients. The successful candidate will also have an opportunity to contribute to strategic improvements to TraNSIT, such as through new modes of transport, international applications, and more advanced functionality.

Generally, Programmer Modeller and Data Analyst staff in CSIRO collaborate on scientific and technological activities with other research staff usually by assisting with detailed planning, undertaking or assisting with experimental, observational or technology development work, and in carrying out the more practical aspects of the work.

### Duties and Key Result Areas:

* Set up and run TraNSIT to produce outputs for externally funded projects and liaising with clients to tailor the outputs and reporting to their needs.
* Maintain the user-friendly web-based tools and servers, TraNSIT Web and Supply Chain Benchmarking Dashboard for existing and new clients.
* Gather and synthesize Geospatial and other data from clients to improve the transport network, commodity, and supply chain mapping for TraNSIT. This includes updating existing commodities, and adding new ones (e.g. cement, waste).
* Continue personal development in the latest programming and analysis tools, through training courses and liaising with others in CSIRO who develop other major software products (e.g. projects in Data 61, IM&T, Atlas of Living Australia).
* Make significant contributions to the interpretation and communication of research or technological results and may collaborate on drafting presentations to, and/or detailed written reports for, clients and the scientific and/or technology community.
* Under general direction participate in planning projects and accept responsibility for the scheduling and completion of major parts of projects, including allocating and directing tasks where appropriate.
* Adapt and/or develop original experimental methods, equipment, software, concepts and ideas in support of existing and further research, promptly addressing where methods may not be defined and initiative is required in seeking new approaches to meet experimental and/or technological needs.
* 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, often regionally dispersed research team, and business unit to carry out tasks in support of CSIRO’s scientific objectives.
* Adhere to the spirit and practice of CSIRO’s 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:** Cooperates with others to achieve organisational objectives and may share team resources in order to do this. Collaborates with other teams as well as industry colleagues.
* **Influence and Communication:** Uses knowledge of other party's priorities and adapts presentations or discussions to appeal to the interests and level of the audience. Anticipates and prepares for others reactions.
* **Resource Management/Leadership:** Allocates activities, directs tasks and manages resources to meet objectives. Provides coaching and on the job training, recognises and supports staff achievements and fosters open communication in the team.
* **Judgement and Problem Solving:** Investigates underlying issues of complex and ill-defined problems and develops appropriate response by adapting/creating and testing alternative solutions.
* **Independence:** Recognise and makes immediate changes to improve performance (faster, better, lower cost, more efficiently, better quality, improved client satisfaction).
* **Adaptability:**Copes with ambiguity or situations that lack clarity. Adapts readily to changing circumstances and new responsibilities (which may include activities outside own preferences) in the interests of achieving team objectives. Recognises the need for and undertakes personal development as a result of changes.

## **Selection Criteria**

#### Essential

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

1. Relevant bachelor’s degree in a scientific or engineering discipline such as Computer Science, Information Technology or equivalent, and at least a minimum of 2 years of work experience in a relevant field.
2. Demonstrated programming experience in Python (and ideally other languages such as Java or R).
3. Previous experience in analysing and documenting large data sets from a variety of stakeholders.
4. Experience in data analysis, statistical packages and GIS packages.

## **Desirable:**

1. Demonstrated stakeholder engagement within I.T. industry experience.
2. Excellent verbal and written communication skills. Ideally includes an ability to deliver clear reports, and presentations at either conferences or seminars.

Special Requirements

Appointment to this role may be subject to conditions including provision of a national police check as well as other security/medical/character clearance 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 at [CSIRO online](http://www.csiro.au/) or [Land and Water](https://www.csiro.au/en/Research/LWF).

CSIRO is a values-based organisation. We expect our employees to demonstrate behaviours aligned to our values of:

• People First

• Further Together

• Making it Real

• Trusted