# Position Details

## Research Projects- CSOF4

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| The following information is for applicants | |
| Advertised Job Title | Research Technician – Field Instrumentation Specialist |
| Job Reference | 63990 |
| Tenure | Indefinite (Full-time) |
| Salary Range | AU$83,687 to AU$94,679 pa + up to 15.4% superannuation |
| Location(s) | Townsville, QLD |
| Relocation Assistance | Will be provided to the successful candidate if required |
| Applications are open to | Australian/New Zealand Citizens and Australian Permanent Residents Only |
| Position reports to the | Team Leader – Material Fluxes |
| Client Focus – Internal | 10% |
| Client Focus – External | 90% |
| Number of Direct Reports | 0 |
| Enquire about this job | Contact Aaron Hawdon via email at [aaron.hawdon@csiro.au](mailto:aaron.hawdon@csiro.au) or phone +61 428117422 |
| 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

Research Projects staff in CSIRO collaborates in 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.

The Material Fluxes Team quantify the movement of water, soil and nutrients to evaluate the influence of land management on the environment and the cost effectiveness of modifying management practices. The Research Technician – Field Instrumentation Specialist will work with the team by providing technical expertise that focuses on the design and implementation of monitoring programs, automated field installations and data delivery platforms in terrestrial, freshwater and marine settings.

### Duties and Key Result Areas:

* Participate in planning projects and accept responsibility for the scheduling and completion of major parts of projects, including allocating and directing tasks where appropriate.
* Develop, deploy and maintain automated field and laboratory-based measurement systems suited to the needs of scientific research projects.
* Test and calibrate environmental sensors and measurement systems using standard or adapted experimental methods to provide reliable, high quality measurement data.
* Maintain detailed, accurate records of field and laboratory operations to support complex technical and scientific investigations.
* Follow and adapt QA/QC processes to ensure the integrity of monitoring data is maintained through every stage of the research process.
* Provide coaching, on-the-job training and instruction to colleagues, on activities pertaining to the immediate work area and responsibilities, allocate activities, direct tasks and manage resources to meet objectives, as required.
* 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.
* 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.
* Adhere to the spirit and practice of CSIRO’s Code of Conduct, Health, Safety and Environment plans and policies, Diversity initiatives and Zero Harm 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 or equivalent relevant work experience in Environmental Science/ Engineering.
2. Demonstrated ability to develop experimental procedures for laboratory and field-based operations.
3. Experience with environmental sensors, data recording systems and deployment methodologies.
4. Demonstrated ability to work in a team environment or independently as required.
5. Experience and willingness to undertake fieldwork and ability to travel away from Townsville.
6. Will need to hold a valid driver’s licence.

## **Desirable:**

1. Experience in the management and analysis of large datasets.
2. Experience with scientific and technical reporting.

Special Requirements

Appointment to this role is subject to conditions including:

* 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.
* The successful candidate will be required to undertake a pre-employment medical examination prior to commencement.

## **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 [Land and Water](https://www.csiro.au/en/Research/LWF)