# Position Details

## Research Scientist/Engineer- CSOF5

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| The following information is for applicants | |
| Advertised Job Title | AgriFood Systems Analyst |
| Job Reference | 87484 |
| Tenure | 3 years term  Full-time |
| Salary Range | AU$102,724 to AU$111,165 pa (pro-rata for part-time) + up to 15.4% superannuation |
| Location(s) | St Lucia, QLD, Adelaide, SA or Canberra, ACT |
| Relocation Assistance | Will be provided to the successful candidate if required |
| Applications are open to | All Candidates |
| Position reports to the | Team leader |
| Client Focus – Internal | 20% |
| Client Focus – External | 80% |
| Number of Direct Reports | 0 |
| Enquire about this job | Contact Peggy Schrobback via email at peggy.schrobback@csiro.au or phone +61 (0) 7 3214 2341 |
| 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

We are seeking a AgriFood Systems Analyst to join CSIRO’s [Food Systems and Global Change Group](https://research.csiro.au/foodglobalsecurity/). Based in Brisbane, Australia, we are a multi-disciplinary team of systems specialists that partner to deliver agricultural outcomes for improved global food and nutrition security. Our work is framed by the UN Sustainable Development Goals, and we collaborate with the world leaders in this space to build more efficient and effective food systems through improved agricultural productivity, diversification, and resilience.

The AgriFood Systems Analyst will lead quantitative and qualitative economic research which includes supply chain analysis, agri-business analysis, on-farm productivity analysis, and cost-benefit analysis with applications to the agrifood sector. These analyses are crucial to understanding how we can maintain the viability of agrifood production (e.g., meat, horticulture, grain and fish) in a changing world, and how changes to markets and policies impact those who produce and consume food. The scope of work will be broad, covering productivity, value addition, environmental impacts, food security, nutrition and associated policy design, and will focus on agrifood systems in both Australia and low-income countries abroad.

The position may require occasional international travel, including to developing countries.

As a Research Scientist in CSIRO you will conduct innovative research leading to scientific achievements that are aligned with CSIRO’s strategies. You may be engaged in scientific activity ranging from fundamental research to the investigation of specific industry or community problems. You will have the opportunity to build and maintain networks, play a lead role in securing project funds, provide scientific leadership and pursue new ideas and approaches that create new concepts.

### Duties and Key Result Areas:

* Liaise with clients to determine their needs and take personal responsibility for client satisfaction.
* Under limited direction, assist in the planning and preparation of research proposals and carry out research investigations, requiring originality, creativity and innovation.
* Present results in a meaningful format, prepare reports for clients and write scientific papers for publication.
* Address problems promptly and in a constructive manner, selecting the most profitable lines of attack upon a problem, and preparing detailed design proposals and research protocols.
* Supervision and/or training of others to ensure activities are conducted in accordance with research design, or as required.
* Draw on professional expertise, knowledge of other disciplines and research experience, recognise opportunities for innovation and generate new theoretical perspectives by pursuing new ideas/approaches and networking with scientific colleagues across a range of disciplines.
* 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:** Plans, sets and works to meet challenging standards and goals for self and/or others. Recognises where endeavours will make the most impact or difference, decides on desired outcome and sets realistic goals to reach this target.
* **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. A doctorate degree and or equivalent research experience in applied micro-economics, agricultural economics, or agribusiness
2. Demonstrated experience in quantitative and qualitative economic analysis, including value chain analysis
3. Demonstrated ability to work effectively as part of a multi-disciplinary research team and carry out independent individual research, to achieve organisational goals
4. Strong written and oral communication skills including the ability to publish research results, prepare reports and present the results of scientific investigations at national and international conferences and stakeholder meetings

## **Desirable:**

1. Two years post-PhD experience
2. International research experience, especially collaboration with researchers in developing countries
3. Significant knowledge of agricultural production systems in both the developed and developing world
4. Experience using bio-economic models for ex-ante impact assessment
5. Experience cleaning, maintaining and interrogating large datasets; competent use of R and other programming languages or statistical software.
6. Demonstrated ability in gaining industry funding and managing research projects

Special Requirements

* Appointment to this role may be subject to conditions including the provision of a national police check as well as other security/medical/character clearance requirements.
* If the successful candidate is not an Australian Citizen or Permanent Resident, they may be required to undergo additional security clearances, which may include medical examinations and an international standardised test of English language proficiency (i.e. IELTS test- https://ielts.com.au/)

## **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 [Agriculture and Food](https://www.csiro.au/en/Research/AF)

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

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