# Research Scientist – CSOF3

Role summary for potential applicants

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| Advertised Job Title**:** | Data scientist |
| Reference Number**:** | **58402** |
| Classification**:** | CSOF3 |
| Salary Range: | AU $62k to AU $79k plus up to 15.4% superannuation |
| Location**:** | Newcastle, NSW |
| Tenure: | Specified term of 3 years |
| Relocation assistance**:** | Will be provided to the successful candidate if required. |
| Applications are open to: | Australian Citizens Only  Australian/New Zealand Citizens and Australian Permanent Residents Only |
| Functional Area**:** | Research Scientist/Engineer |
| % Client Focus - Internal: | 10% |
| % Client Focus - External: | 90% |
| Reports to the: | Team Leader |
| Number of Direct Reports: | 0 |

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| **Role Overview:** |
| You will draw on your data science and statistics base to deliver brand new research in – and impact for – Australia’s energy sector, working with complex, messy and interconnected real-world data sets to unlock the hidden stories that Australia’s energy data has to tell.  You will join a team of electrical engineers, data scientists, computer scientists and software engineers who design, build and deliver the technologies that drive down greenhouse gas emissions, maximise the uptake of renewables, and reduce the cost of energy for Australians.  Based at the CSIRO Energy Centre, Newcastle, you will be working in Australia's national science institution, interacting with some of Australia's largest industries, meeting with researchers and scientists from around the world, and delivering practical solutions to challenging, complex and rewarding problems. If this sounds exciting then let us know; we are keen to discover if you could be part of the CSIRO Grids and Energy Efficiency team. |

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| **Duties and Key Result Areas:** |
| * Deploy your analytical, statistics and data science skills to build models of Australian energy behaviour and to understand the drivers of that behaviour. * Work with project leaders to deliver research outputs for high-impact, complex and difficult projects in tight-timelines and with clients from across the energy sector. * Use your skills in statistical platforms like R and SPSS to tease apart correlations and connections in data about Australia’s energy sector, energy consumers and energy behaviour. * Be brave enough to tackle real-world data, with all of its flaws, inaccuracies and messiness. * Work collegiately with a multi-disciplinary team of researchers to deliver against project objectives. * Communicate your work in both technical and non-technical forms, with a particular focus on providing descriptions of your work and key outcomes in a form that enlightens and excites non-technical audiences. * Communicate effectively and respectfully with all staff, clients and suppliers in the interests of good business practice, collaboration and enhancement of CSIRO’s reputation. * Adapt and/or develop original experimental methods, equipment, software, concepts and ideas in support of existing and further research. * Adhere to the spirit and practice of CSIRO’s Values, Health, Safety and Environment plans and policies, Diversity initiatives and Zero Harm goals. * Other duties as directed. |

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| **Selection Criteria:** |
| *Under CSIRO policy only those who meet all essential criteria can be appointed*  ***Pre-Requisites:***   1. **Education/Qualifications:** A tertiary degree (preferably with Honours) or equivalent in fields that are highly related to data science and/or statistics. 2. **Communication:** Ability to communicate in a fluent and courteous manner, both orally and in writing, offering factual information supported by proven data, and providing appropriate feedback when required. 3. **Behaviours:** A history of professional and respectful behaviours and attitudes in a collaborative environment. 4. **Adaptability:** The ability to effectively manage a number of competing priorities simultaneously, and carry out non-routine tasks under general direction. 5. **Problem Solving:** Proven ability to investigate routine problems by identifying and considering the implications of a range of available alternative solutions**.**   ***Essential Criteria:***   1. Demonstrated experience in deploying your data science or statistical skills in answering complex problems. 2. Exceptional interpersonal skills, suitable for building relationships and networks with your CSIRO team mates in order to deliver complex and multi-faceted work in a team environment. 3. Experience in reporting on research and science outcomes in both technical and non-technical forms. 4. Experience in the visualisation and presentation of complex data. 5. Experience in software tools and languages for the transformation and analysis of data (such as R, SPSS, Tableau and Python). 6. A passion for transforming the Australian energy sector through collaboration, research and delivery.   **Desirable Criteria:**   1. Familiarity with the energy sector and the key challenges facing the sector. 2. Experience in a research or commercial institution where you have delivered outcomes for an external client.   **As Australia’s Innovation Catalyst, CSIRO has strategic actions underpinned by behaviours aligned to**:   * Excellent science * Inclusion, trust & respect * Health, safety & environment * Delivery on commitments.   **In your application and at interview you will need to demonstrate alignment with these behaviours.** |

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| **Other Information:** |
| **How to Apply**  Please apply for this position online at <https://jobs.csiro.au/> and enter requisition number **58402**. Internal applicants please apply via ‘Jobs Central’ in SAP (click ‘Recruitment’)  Please load one document (Maximum 2MB) containing your CV and a brief cover letter which outlines your experience as relevant to the role and your motivations for applying (Maximum 2MB). At the end of the online application process, you may be required to respond to some screening questions.  If you experience difficulties applying online call 1300 984 220 for assistance. Outside Australian business hours please email: [csiro-careers@csiro.au](mailto:csiro-careers@csiro.au).  **Referees**: Please provide contact details of two previous supervisor or academic/professional referees in your resume/CV. We will ask your permission before making contact.  **Contact:** If after reading the position details above you require more information please contact:  **Adam Berry** via email: adam.berry@csiro.au  Please do not email your application directly to Dr Berry. Applications received via this method may not be considered by the selection panel.  **About CSIRO**  Australia is founding its future on science and innovation. Its national science agency, the Commonwealth Scientific and Industrial Research Organisation (CSIRO) is a powerhouse of ideas, technologies and skills for building prosperity, growth, health and sustainability. It serves governments, industries, business and communities across the nation.  Find out more! [www.csiro.au](http://www.csiro.au).  We work flexibly at CSIRO, offering a range of options for how, when and where you work. Talk to us about how this role could be flexible for you.  Find out more! [CSIRO Balance](https://www.csiro.au/en/Careers/The-CSIRO-Experience/Balance)  **CSIRO Energy** are pioneering low-emission technologies that create value for industry and households and provide the knowledge which will help guide Australia towards a smart, secure energy future. |