# Research Management – CSOF8

Role summary for potential applicants

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| Advertised Job Title**:** | Hydrogen Energy Systems Future Science Platform Leader |
| Reference Number**:** | 56861 |
| Classification**:** | CSOF8 |
| Salary Range: | AU $157,249 - $197,430 plus up to 15.4% superannuation (pro-rata if part time) |
| Location**:** | Pullenvale QLD, Newcastle NSW, North Ryde NSW, Clayton VIC or Kensington WA |
| Tenure: | Specified Term of 2 years and 6 months |
| Relocation assistance**:** | Will be provided to the successful candidate if required. |
| Applications are open to: | Australian/New Zealand Citizens and Australian Permanent Residents Only |
| Functional Area**:** | Research Management |
| % Client Focus - Internal: | 50% |
| % Client Focus - External: | 50% |
| Reports to the: | Science Director/Deputy Director, CSIRO Energy |
| Number of Direct Reports: | To be determined |

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| **Role Overview:** |
| Research Managers in CSIRO initiate, develop, lead and promote CSIRO's research capability for the benefit of Australia's economy, society and/or environment. While they often have an individual research component to their roles, their primary responsibility is the management and/or leadership of research, client relationships, staff and other resources. They are responsible for ensuring delivery of scientific results to clients. In accordance with Business Unit and sector research plans, research managers undertake the establishment and facilitation of multi-team and multi-organisational, collaborative research programs leading to the delivery of results to clients.Hydrogen is a potential means of decarbonising energy systems, and recently, as a carrier and storage medium capable of supporting a transition to large-scale renewable energy.  Australia’s vast renewable energy resources, coupled with growing international demand for clean energy, creates an opportunity for Australia to develop new low-emissions energy industries based on hydrogen.  Realising the vision of large scale low-emissions Hydrogen based energy systems requires new science and technology solutions which address challenges in production, distribution, and utilisation, as well as consideration of the social, environmental and safety issues associated with their large-scale deployment. Addressing these challenges is the focus of CSIRO’s Hydrogen Energy Systems (HES) Future Science Platform(FSP) as announced in November 2017 by CSIRO CEO Dr Larry Marshall.  The aim of the HES FSP is to catalyse Hydrogen energy innovation at the interface between CSIRO’s business units and scientific disciplines. The role of the HES FSP Leader, is to address the science and technology challenges to enable Australia to seize these opportunities and become the world’s first large-scale low-emissions energy exporter.  |

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| **Duties and Key Result Areas:** |
| * To provide strategic and operational leadership of CSIRO’s Hydrogen Energy Systems Future Science Platform.
* Develop FSP strategy aligned with stakeholders in the Energy, Manufacturing, Data61 business units and other related research communities, such that FSP outcomes have a clear path to impact.
* Develop and continually review the Hydrogen Energy Systems FSP strategy and project portfolio in line with FSP Key Performance Indicators.
* Consult and engage with relevant CSIRO Business Units on the capability required to execute the Hydrogen Energy Systems strategy and project portfolio.
* Communicate effectively and respectfully in the interests of good business practice, collaboration and enhancement of CSIRO’s reputation.
* Produce high quality scientific papers suitable for publication in quality journals and for presentation at national and international conferences.
* Work effectively as a leader of a multi-disciplinary, regionally dispersed research team, to undertake independent scientific investigations and carry out/delegate associated tasks.
* Coordinate project portfolio of significant size and provide guidance in the execution of projects undertaken by junior team colleagues, including the negotiation of resource requirements.
* Lead, coach and supervise staff to ensure the FSP project portfolio is established in accordance with research design, within agreed timelines and budget.
* In conjunction with BD&C, co-ordinate commercialisation and intellectual property strategies.
* Consult and engage with national and international stakeholders in industry, government, and universities.
* 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:** PhD in Science or Engineering or equivalent in a relevant field, combined with significant experience and science/engineering track record in relevant areas from work experience in R&D and/or Industry.
2. **Behaviours:** Capable of professional and respectful behaviours and attitudes in a collaborative environment.
3. **Communication:** Excellent written and oral communication skills, evidenced by high-level reporting, presentation and negotiation abilities, and the capacity to identify and influence critical stakeholders to gain support for complex proposals/ideas
4. **Leadership:** The ability to choose appropriate management strategies and communication styles to maintain high levels of motivation and productivity, giving feedback for development purposes and providing support for improvement.
5. **Problem Solving:**Proven ability to anticipate problems in ambiguous situations, develop appropriate solutions based on thorough evaluation and interpretation, and defend the conclusions with reasoned arguments
6. **Adaptability:**Demonstrated ability for flexibility in thinking and adapts to and manages ambiguous and complex projects and stakeholders by adapting strategies, goals and priorities

***Essential Criteria:***1. Demonstrated track record in establishing and leading multidisciplinary research programs comprising regionally dispersed science teams, towards agreed organizational goals
2. Demonstrated knowledge/understanding of science challenges associated with implementation of Hydrogen energy value chains.
3. Demonstrated skills and experience in successfully initiating and effectively managing large research, development or demonstration projects.
4. Demonstrated experience in identifying and influencing critical stakeholders and development of  a portfolio of internal and external relationships leading to mission oriented collaborative R&D projects
5. **The ability to work effectively as an integral member and leader of a multi-disciplinary, regionally dispersed research team, and foster an environment in which there is a high level of co-operation within and between teams.**
6. An outstanding record of science innovation and creativity plus the ability to apply well developed research skills to scientific investigations of significant consequence.

**Desirable Criteria:**1. A significant record of science innovation and creativity plus the ability to apply well developed research skills to scientific investigations.
2. Working understanding of existing CSIRO FSP models and operations and/or Working understanding of CSIRO strategy, research models and operations.

**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.****Special Requirements**To be appointable to this position, you must have a current full driver’s licence, or the ability to obtain one. |

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| **Other Information:** |
| **How to Apply**Please apply for this position online at <https://jobs.csiro.au/> and enter requisition number **56861**. Internal applicants please apply via ‘Jobs Central’ in SAP (click ‘Recruitment’) Please load ONE document only which comprises of your CV and cover letter in a PDF (Maximum 2MB). You may also 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. **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:**Karl Rodrigues** at karl.rodrigues@csiro.au**.**Please do not email your application directly to Karl Rodrigues. Applications received via this method may not be considered by the selection panel.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/A-great-place-to-work/Work-life-balance) **About CSIRO**At CSIRO, we do the extraordinary every day. We innovate for tomorrow and help improve today – for our customers, all Australians and the world. Our innovations contribute billions of dollars to the Australian economy every year. As the largest patent holder in the nation, our vast wealth of intellectual property has led to more than 150 spin-off companies. With more than 5,000 experts and a burning desire to get things done, we are Australia’s catalyst for innovation. CSIRO. We imagine. We collaborate. We innovateFind out more! [www.csiro.au](http://www.csiro.au). Future Science Platforms - Hydrogen Energy SystemsAustralia has access to vast energy resources through sun, wind, biomass, natural gas and coal, all of which can be used to produce hydrogen and/or the desired energy carrier compound. The fuel could be used domestically in transport, power generation and to offset more carbon-intensive resources, and Australia could also become a world-leading exporter of low emissions hydrogen. |