# Position Description

## Research Scientist/Engineer – CSOF5

The following information is for applicants

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| Advertised Job Title**:** | Marine resource economist |
| Job Reference: | 62149 |
| Relocation Assistance**:** | Will be provided to the successful candidate if required. |
| Applications Are Open To: | Australian/New Zealand Citizens and Australian Permanent Residents Only |
| Percentage of Client Focus - Internal: | 0% |
| Percentage of Client Focus - External: | 100% |
| Reports to the: | Team Leader |
| Number of Direct Reports: | 0 |
| Name and Contact Details For Applicant Enquiries | Sean Pascoe email: sean.pascoe@csiro.au |
| Contact Details For Applying | Call 1300 984 220 or email [careers.online@csiro.au](mailto:careers.online@csiro.au). |
| How to Apply: | Please apply online at [jobs.csiro.au](https://jobs.csiro.au/) and enter the requisition number**.** Internal applicants please apply via ‘Jobs Central’ through the ‘People Hub’ icon |

## Role Overview:

The role of Research Scientist Staff in CSIRO is to 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.

The successful applicant will work in a team conducting research into marine resource and biodiversity management in Australia and internationally, with a particular emphasis on fisheries management related issues. The successful applicant will have a good understanding of fisheries, environmental and/or natural resource economics, and be able to apply this understanding through quantitative modelling and analysis to support management of these resources. The position will contribute to a range of studies and potentially involve a variety of different quantitative and qualitative research methods and their application in domestic and international fisheries contexts.

## Duties and Key Result Areas:

* Undertake economic analyses relevant to the management of Australian and international fisheries, aquaculture and marine biodiversity conservation.
* 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/or write scientific papers for publication.
* Address problems promptly and in a constructive manner, selecting the most profitable lines of attack upon a problem, preparing detailed design proposals and experimental protocols.
* 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 plans and policies, Diversity initiatives and Zero Harm goals.
* Other duties as directed.

## Competencies:

1. **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.**
2. **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.**
3. **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.**
4. **Judgement and Problem Solving:** Investigates underlying issues of complex and ill-defined problems and develops appropriate response by adapting/creating and testing alternative solutions.
5. **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.**
6. **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:

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

1. PhD or equivalent and research experience in formulating, implementing and applying quantitative economic models to fisheries, environmental and/or other natural resource management issues
2. Demonstrated experience in the development and application of a range of quantitative economic modelling techniques (econometric, game theoretic, optimisation etc) to environmental and/or natural resource management.
3. Demonstrated ability to initiate original research work and develop innovative approaches to research problems.
4. Demonstrated ability to liaise with the scientific, industry and NGO communities in order to draw together the information sources required for assembling bioeconomic models.
5. Demonstrated ability to work as part of a multidisciplinary team in solving scientific problems, achieving joint goals, fulfilling funding agency milestones, writing proposals and reports, and attracting funding agency support.
6. Demonstrated capacity for effective oral and written communication of research results and their general implications to a wide variety of audiences such as scientists, stakeholders, funding agencies, the media and the general public.
7. A demonstrated record of research excellence (indicated by the outcomes of completed work and scientific publications).

## Desirable Criteria:

1. Experience in developing and applying economic models and management strategy evaluation in a fisheries context.
2. An appreciation of the principles of ecosystem-based management and ecologically sustainable development.
3. Experience undertaking research projects in developing country context.
4. Knowledge of Australian and international fisheries and fisheries management systems.
5. Familiarity with CSIRO strategic directions, business processes and culture

## About CSIRO:

We imagine. We collaborate. We innovate. To find out more visit us [online](http://www.csiro.au/)!

Find out more about CSIRO [Oceans and Atmosphere](https://www.csiro.au/en/Research/OandA)