# Position Details

## Research Projects- CSOF5

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| The following information is for applicants | |
| Advertised Job Title | Physical Oceanographer |
| Job Reference | 95261 |
| Tenure | Indefinite  Full-time |
| Salary Range | AU$105,806 – AU$114,500 per annum (pro-rata for part-time) plus up to 15.4% superannuation |
| Location(s) | Hobart, TAS |
| 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 | Group Leader, ‘Oceans’ Group |
| Client Focus – Internal | 50% |
| Client Focus – External | 50% |
| Number of Direct Reports | 0-4 |
| Enquire about this job | Contact Benoit Legresy via email at [benoit.legresy@csiro.au](mailto:benoit.legresy@csiro.au) or Laura Herraiz Borreguero via email at [laura.herraizborreguero@csiro.au](mailto:laura.herraizborreguero@csiro.au) |
| 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. |

**Acknowledgement of Country**

CSIRO acknowledges the Traditional Owners of the land, sea and waters, of the areas that we live and work on across Australia. We acknowledge their continuing connection to their culture and pay our respects to their Elders past and present. View our [vision towards reconciliation](https://www.csiro.au/en/about/Indigenous-engagement/Reconciliation-Action-Plan).

**Child Safety**

CSIRO is committed to the safety and wellbeing of all children and young people involved in our activities and programs. View our [Child Safe Policy](https://www.csiro.au/en/about/policies/child-safe-policy).

### Role Overview

The role of Research Projects staff in CSIRO is to collaborate 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 Physical Oceanographer in this position will have solid experience in oceanography and a taste for making ocean observations useful. As part of the ‘Ocean Currents’ and ‘Argo’ projects, in the “Oceans from space” team, this role plays a central part to support our Real Time Argo program management and the Ocean Currents project. By leading the Ocean currents project, the Physical Oceanographer will ensure the integration of a whole range of marine observations in the Australian region to serve a wide community of users. Through managing the real time Argo operations, they will ensure that the Argo floats deployments are effective, and that the data are available to users as soon as possible after they are measured.

Physical Oceanographer will be responsible for managing the Ocean Currents project (<https://oceancurrent.aodn.org.au/> ) supported by IMOS. Besides the administration of the project, this will involve the supervision of the website operations and its constant evolution, the production of content for regular newsletters, and all the activities in between to maintain the very large data store which is accessible to users. They will need to coordinate the technical team, liaise with the Australian Ocean Data Network, interact with scientists in charge of projects, generating observations integrated in Ocean Currents. It also involves being and staying up to date on the ocean observation systems including remote sensing and in situ techniques, and on the science and applications that use these products.

The Physical Oceanographer will interact with the Argo project to plan the Argo floats deployments and with key scientists and stakeholders to develop opportunities to deploy the Argo floats. Managing the real time Argo operations involves coordinating the technical team to prepare the floats and ensuring the real time processing chain are operational, as well as integrating quality assurance and quality checks to optimise the value of the collected data.

### Duties and Key Result Areas

* Lead the Ocean Currents project, manage the budget and operations.
* Manage the real time operations of the Australian Argo program, including the processing and dissemination of data in real-time.
* Maintain an existing suite of software, written in Matlab and Python, and contribute to the development of the next generation of software to future-proof the program.
* Develop new tools to monitor the performance of operational floats., including analysis of their data return and engineering metrics to identify floats that may be developing problems (e.g., slow leaks, groundings).
* Maintain engagement with the International Argo Data Management Team, to ensure that Argo Australia’s data standards comply with international requirements and best practice.
* Maintain existing products for the OceanCurrent website using existing software.
* Help develop new OceanCurrent products, ensuring compatibility of code for use by other team members.
* Contribute to research activities that compliments Environment’s strategic priorities, and that use Argo and OceanCurrent data. (This could be in any area of oceanography or climate research, however a keen interest in research applications is regarded as essential).
* Contribute to publication of findings in journal papers, conference abstracts, consultancy reports, brochures and web-pages.
* Contribute to the effective functioning of a research team.
* Participate in project scoping and planning, making significant contributions to the research or technological direction, and may advise on the level and type of services that are provided.
* Have a significant role in communicating research or technological results in internal and external forums and, where applicable, contribute to and/or generate scientific papers.
* 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, regionally dispersed research team to carry out tasks in support of CSIRO’s scientific objectives.
* 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.

### Selection Criteria

#### Essential

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

1. A master’s degree or higher tertiary qualifications in physical oceanography.
2. Demonstrated experience in managing research projects.
3. Demonstrated knowledge of the Argo program and experience with the chain of activities involved.
4. Experience in using, analysing and preparing a diverse range of ocean observations, including in situ and remote sensing, in scientific work.
5. Experience interacting with a wide range of collaborators (technical personnel, scientists, operators) internal and external to the organisation.
6. Demonstrated capability to use diverse programming languages (Matlab, Python, Linux environment and automation procedures).

#### Desirable

1. Existing knowledge of the ‘Ocean currents’ project, its content, data providers, users and stakeholders.

## **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 team 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:** Sets up and maintains effective and efficient work teams and manages performance and resources, to achieve objectives. Chooses appropriate management strategies and communication styles to maintain high levels of motivation and productivity. Gives feedback for development purposes and provides support and direction for improvement.
* **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.

Special Requirements

Appointment to this role is subject to provision of a pre-employment background check and may be subject to other security/medical/character clearance requirements.

* The successful candidate will undertake a pre-employment background check. Please note that individuals with criminal records are not automatically deemed ineligible. Each application will be considered on its merits.

## **About CSIRO**

We solve the greatest challenges through innovative science and technology. Visit [CSIRO Online](http://www.csiro.au/) and CSIRO [Environment Business Unit](https://www.csiro.au/en/about/people/business-units/Environment) for more information.

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

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