JOB DESCRIPTION

Vacancy reference:	SRF31353
Post Title:	Postdoctoral research assistant
Grade:	Grade 6
School/Department:	Department of Meteorology
Reports to:	David Ferreira
Responsible for:	N/A

Purpose

PDRA to conduct research in the framework of the H2020 SO-CHIC project (http://www.sochic-h2020.eu/)

Main duties and responsibilities

- Conduct research on the submesoscale and mixed-layer dynamics of the Southern Ocean as part of the H2020 SO-CHIC project.
- Design and analyse high-resolution numerical simulations.
- Lead communication of the results to the scientific community (peer-review articles, oral/poster presentations at conferences).

Supervision received

David Ferreira, University of Reading.

Supervision given

N/A

Contact

David Ferreira, University of Reading. Prof Marshall, University of Oxford. The applicant will also collaborate with Prof Marshall at the University of Oxford as well as other members of the SO-CHIC project (notably with collaborators of the Work Package 2).

Terms and conditions

This is a full time fixed term (up to 3-years) post,

This document outlines the duties required for the time being of the post to indicate the level of responsibility. It is not a comprehensive or exhaustive list and the line manager may vary duties from time to time which do not change the general character of the job or the level of responsibility entailed.

Date assessed:

PERSON SPECIFICATION

Job Title	School/Department
Post-doctoral research assistant	**Meteorology**

Criteria	Essential	Desirable
Skills Required	• Experience with ocean/climate modelling and high-performance computing • Extensive experience with visualization/analysis programming language (e.g. Matlab, Python, etc)	• Experience with high-resolution modelling, manipulation of large-datasets
Attainment	• A PhD in oceanic/atmospheric science, climate science, geophysical fluid dynamics or a related field	
Knowledge	• A strong background in geophysical fluid dynamics	• Knowledge of physical oceanography, mesoscale and submesoscale eddy dynamics
Relevant Experience	•	• Experience with the NEMO ocean model
Disposition	• Good writing and communication skills	• Experience with peer-reviewed papers, oral/poster presentations at major conferences
Other		

Completed by: David Ferreira	Date: