

# JOB DESCRIPTION

<b>Vacancy reference:</b>	SRF28806
<b>Post Title:</b>	Postdoctoral Research Fellow
<b>Grade:</b>	Grade 6
<b>School/Department:</b>	Meteorology
<b>Reports to:</b>	Professor Ted Shepherd
<b>Responsible for:</b>	N/A

## Purpose

Develop global storylines of climate risk relevant to multi-sector vulnerabilities (food security, finance, international development, manufacturing, and coastal infrastructure), within the RECEIPT project

## Main duties and responsibilities

- Perform original research on developing global storylines of climate risk relevant to multi-sector vulnerabilities (food security, finance, international development, manufacturing, and coastal infrastructure), within the context of the H2020 project "RECEIPT". The storylines will reflect different global warming scenarios as well as different patterns of regional climate response, using common drivers to identify correlated risks following the approach of Zappa & Shepherd (2017).
- A particular effort will be devoted to the identification of relevant climatic indices for food security and for international development.
- Contribute to relevant RECEIPT project meetings, deliverables, and reports.
- Present the research results at national and international scientific meetings.
- Contribute to departmental research environment (e.g. seminars, group meetings). Interact with other members of Professor Shepherd's research group to share ideas and best practices.

## Supervision received

Professor Shepherd will help develop the research plan and will collaborate on its implementation and publication in refereed journals. Professor Shepherd will oversee the scope of the research activities to ensure they are serving the career development of the candidate whilst also meeting the goals of the project.

## Supervision given

N/A

## Contact

Interactions are foreseen with other members of Professor Shepherd's research group and the wider Department of Meteorology.

## Terms and conditions

Full-time, fixed term contract.

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 Fellow	Meteorology

Criteria	Essential	Desirable
<b>Skills Required</b>	<ul style="list-style-type: none"> <li>• Atmospheric data analysis</li> <li>• Creativity</li> <li>• Initiative</li> <li>• Written and oral communication skills</li> </ul>	
<b>Attainment</b>	<ul style="list-style-type: none"> <li>• PhD or equivalent in meteorology or equivalent</li> </ul>	
<b>Knowledge</b>	<ul style="list-style-type: none"> <li>• Climate variability</li> <li>• Regional climate change</li> <li>• Climate impacts</li> <li>• Statistical inference</li> </ul>	<ul style="list-style-type: none"> <li>• Causal networks</li> <li>• Atmospheric dynamics</li> <li>• Atmospheric modelling</li> </ul>
<b>Relevant Experience</b>	<ul style="list-style-type: none"> <li>• Proven track record in research, demonstrated through excellent peer-reviewed publications</li> </ul>	
<b>Disposition</b>	<ul style="list-style-type: none"> <li>• Able to collaborate with others</li> <li>• Willing to accept advice</li> <li>• Open to new ideas</li> </ul>	
<b>Other</b>	<ul style="list-style-type: none"> <li>• Able to travel for collaboration within RECEIPT project</li> </ul>	

Completed by: Professor Ted Shepherd	Date: 14 April 2019
--------------------------------------	---------------------