JOB DESCRIPTION

Vacancy Ref: A3333

Job Title: Senior Research Associate in Environmental Data Science	**Present Grade:** 7

Department/College: Data Science Institute (Department of Mathematics and Statistics)

Directly responsible to: Prof. David Leslie

Supervisory responsibility for: Assisting with supervision of associated Masters and PhD students

Other contacts

Internal:
Other Co-Is and Senior Research Associates in the project; research staff on related projects

External:
Collaborators/partners working on the project.

Major Duties:

1. Undertake and lead research necessary to achieve Lancaster University's aims within the EPSRC-funded "Data Science of the Natural Environment" project. More specifically, to assist with the key goal of achieving methodological innovation in environmental data science to tackle grand challenges around environmental change.
2. Working effectively in an interdisciplinary team to achieve the above goal, and seek methodological innovations to support interdisciplinary breakthroughs.
3. Leading the planning, development, and publication of our work within the project.
4. Preparing and presenting of talks, posters and reports to disseminate the results of the research.
5. Participating in national and international conferences and workshops to present the results of the project to a wider audience and to learn about current advances in the field.
6. Taking a lead in the preparation of (potentially collaborative) journal papers for publication of project findings.
7. Participating in all project meetings, including the development of progress reports describing and reflecting on the results of the project.
8. Participating in (and ultimately taking the lead in) writing new research proposals that build on the expertise developed in this project.
9. Through the above, develop an independent and leading research profile internationally.
10. Any other duties appropriate to the grade and position as directed by your line manager.