

**JOB DESCRIPTION**

**VACANCY REF: A2497**

<b>Job Title:</b> Senior Research Associate in Machine Learning for the Natural Environment	<b>Present Grade:</b> 7P
<b>Department/College:</b> Data Science Institute (Department of Mathematics and Statistics)	
<b>Directly responsible to:</b> Prof. David Leslie	
<b>Supervisory responsibility for:</b> Assisting with supervision of associated Masters and PhD students	
<b>Other contacts</b>	
<b>Internal:</b> Other Co-Is and Senior Research Associates in the project; research staff on related projects	
<b>External:</b> Collaborators/partners working on the project.	
<b>Major Duties:</b>	
<ol style="list-style-type: none"> <li>1. Undertaking 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 data science to tackle grand challenges around environmental change.</li> <li>2. Working effectively in a cross-disciplinary team to achieve the above goal, and seek methodological innovations to support cross-disciplinary breakthroughs.</li> <li>3. Leading the planning, development, and publication of our work within the project.</li> <li>4. Preparing and presenting of talks, posters and reports to disseminate the results of the research.</li> <li>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.</li> <li>6. Taking a lead in the preparation of (potentially collaborative) journal papers for publication of project findings.</li> <li>7. Participating in all project meetings, including the development of progress reports describing and reflecting on the results of the project.</li> <li>8. Participating in (and ultimately taking the lead in) writing new research proposals that build on the expertise developed in this project.</li> <li>9. Through the above, develop an independent and leading research profile internationally.</li> <li>10. Any other duties appropriate to the grade and position as directed by your line manager.</li> </ol>	