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| <b>ONE Planet Undergraduate Research Experience Placement (REP) Scheme</b>   |
| <b>Placement title:</b> Agroforestry potential for rural farmers' in the north of England  |
| <b>Proposed placement length (max 8 weeks):</b> 8 weeks  |
| <p><b>One Planet Research Theme:</b><br/>         Climate &amp; Climate Change <input checked="" type="checkbox"/>   Earth System Processes <input type="checkbox"/>   Anthropocene <input checked="" type="checkbox"/>   Environmental Informatics <input checked="" type="checkbox"/></p>  |
| <p><b>Supervisor:</b> Dr Marion Pfeifer<br/> <b>School/Department:</b> School of Natural and Environmental Sciences<br/> <b>University:</b> Newcastle University</p>   |
| <p><b>Placement Description:</b></p> <p><i>Project description:</i></p> <p>The student will work with Dr Pfeifer and Miss Eleanor Moore (PhD candidate in the TROPS lab, Newcastle University) to analyse the potential of farmed landscapes in the north of the UK for agroforestry adoption. They will join an existing research partnership between Newcastle University and the Forestry Commission that explores issues and constraints for tree expansion on and around farmed and other land in the north of England. This project looks to put the needs of farmers to the forefront of agroforestry research within the North of England, and understand how future agroforestry scenarios are perceived by different stakeholder groups. Specifically, the student will work with Moore to facilitate focus groups with farmers. They will accompany Moore for a data collection exercise in Bangor Wales and collect pilot data for write up into a synthesis report on the conference discussions.</p> <p><i>Objectives:</i></p> <ol style="list-style-type: none"> <li>1. Generate key findings around suitability of different agroforestry systems and species for the North of England.</li> <li>2. Link key findings of agroforestry suitability to potential ecosystem services and disservices to different stakeholder groups in the North of England</li> <li>3. Synthesise how agroforestry suitability may be altered under climate change scenarios for the North of England.</li> </ol> <p>The student will use data from multiple agroforestry workshops, farm visits, interviews with experts and literature review to answer the objectives. Moreover, the student will be expected to undertake one results outreach activity of their choice as part of the placement such as an article for a farmers magazine.</p> |
| <p><b>Timescale:</b></p> <p>Preferred to start as soon as possible within the summer vacation period with flexibility. The intern should attend the Farm Woodland Forum Annual Meeting 16-17<sup>th</sup> June 2022 in Wales and a participatory workshop with local stakeholders on the 23<sup>rd</sup>-24<sup>th</sup> June in Northumberland.</p>   |
| <p><b>Itemised Budget for the Project:</b></p> <p>Student wage (£2982), trip to Bangor (£320 for train, subsistence, and accommodation)</p>  |
| <p><b>Prerequisites:</b></p> <p>Desirable skills and knowledge in participatory methods for environmental sciences, an interest in sustainable farming and climate change mitigation and adaptation, GIS.<br/>         For more information, please contact Dr Marion Pfeifer (<a href="mailto:marion.pfeifer@newcastle.ac.uk">marion.pfeifer@newcastle.ac.uk</a>) or Eleanor Moore <a href="mailto:e.s.moore2@newcastle.ac.uk">e.s.moore2@newcastle.ac.uk</a></p>   |