

## WBP ACADEMIC/VOLUNTEER RESEARCH PROJECT PROPOSAL 30

<b>Project title:</b>	Are current upland management practices maintaining soil quality? A literature review.		
<b>Lead Organisation:</b>	Bangor University	<b>Project leader:</b>	Prof John Farrar, Bangor Univ.
<b>Address:</b>	School of Biological Sciences, Bangor University, Bangor, Gwynedd LL57 2UW		<b>Email:</b> <a href="mailto:johnfarrar@phonecoop.coop">johnfarrar@phonecoop.coop</a> <b>Tel:</b> 01248 600583
<b>Collaborating institutions:</b>	Possibly CEH Bangor		
<b>Location:</b>	n/a		
<b>Start date:</b>	t.b.d.	<b>Completion required by:</b>	
<b>Project rational/ What is the specific question being asked?</b>			
<b>Question/Aims:</b> To use existing data-sets to determine if there is (a) evidence for changing soil quality in the uplands; (b) evidence to distinguish effects of management practices from effects of transboundary phenomena such as atmospheric N inputs and climate change; (c) need for collection of new data to compare with historical data-sets; and (d) need for new data based on either experiment or appropriate comparisons of sites differing predominantly in management practices.			
<b>Can this project be divided into more than one project? If yes, specify below.</b>			
No			
<b>Scale of project?</b>	<b>Site-specific?</b>	<b>Range of sites? Name sites &amp; any/ designation.</b>	<b>Suggested site/s</b>
3-month literature review	n/a	There are historical and current data for the Carneddau (Ratcliffe 1957 J.Ecol.47, 371; Farrell, M., 2011 Soil Biol.Biochem. 43: 835-844) and a time-series for the Snowdon ECN site, in addition to Soil Survey data.	n/a
<b>Access to previous data/reports on site?</b>		n/a	<b>RA<sup>1</sup> attached</b> n/a
<b>Will logistics be managed by Lead Organization or Researcher?</b>		Lead organisation	
<b>Opportunity for follow-on student placement<sup>2</sup> with Lead Organisation?</b>			n/a
<b>Training element/skills required (specify):</b> Knowledge of relevant formal and grey literature and search techniques			
<b>Expected deliverables (specify):</b> Report answering questions a-d above and making recommendations for what needs to be done next.			
<b>Resources required/ resources available (specify):</b>			
<b>Any special considerations? (specify):</b> n/a			

Return completed form to: [tracey.lovering@cyfoethnaturiolcymru.gov.uk](mailto:tracey.lovering@cyfoethnaturiolcymru.gov.uk) Tel: 01970 631177 / 07779 010580

<sup>1</sup> RA: Risk Assessment for sites specified, or type of work to be undertaken as available from Lead/collaborating partners

<sup>2</sup> Please consider whether you are able to offer a work placement. This can be with lead/collaborating partners, or with a data end user e.g. Local Record Centre, Local Authority