



Reducing the environmental impact of the Welsh red meat sector

Fully funded three year PhD

Applications are invited for a three year, full-time PhD Research Studentship at Bangor University. The research has three main aims; a) to measure and model greenhouse gas emissions from livestock farms in Wales, b) to identify the most practical sequence of activities that the sector can undertake in order to reduce its greenhouse gas emissions, and c) to determine both the theoretical and practically realistic contribution that changes in production systems could make to meeting Governmental and industry targets for greenhouse gas reductions. The research will improve our fundamental understanding of the nature of greenhouse gas emissions from livestock farms, and will also play an important role in helping the red meat sector reduce its emissions profile.

The PhD studentship is placed within the School of Environment, Natural Resources and Geography where the student will be registered. The School has excellent facilities supporting high quality research and is situated in an idyllic setting on the banks of the Menai Straits, close to the mountains of Snowdonia. It also has a research farm on the outskirts of Bangor, and runs a 1600 ewe commercial flock on its land in the Snowdonia National Park. The successful student will also spend time with the industrial partner, Hybu Cig Cymru (Meat Promotion Wales) based in Aberystwyth. The student will be supervised by Professor Gareth Edwards-Jones and Dr Prysor Williams at Bangor, with collaborative input from staff at Hybu Cig Cymru,

The studentship includes a tax free maintenance grant of £14k per annum, with full-time fees paid and additional allowances. A requirement of the studentship is a minimum 30-day non-remunerated work placement per annum. More information on the studentship and application process can be found at www.higherskillswales.co.uk/kess

Successful applicants will normally have a First Class Honours Degree or a Masters degree in a relevant discipline (biology, agriculture or environmental science). Experience and knowledge of agricultural systems would be an advantage.

Informal enquiries should be directed in the first instance to Dr. Prysor Williams (prysor.williams@bangor.ac.uk).



How to apply

The first step in the application process will be to complete and submit an eligibility form which can be downloaded [here](#). This form must be completed, signed and submitted to Katie Minton, Senior Clerical Officer, KESS, Room E:109, The management Centre, College Road, Bangor, LL57 2DG. You will receive a response regarding your eligibility within 5 working days of receipt of your form.

The closing date for formal applications will be **19th August 2011** and short-listed applicants will be required to attend an interview, with an anticipated start date of no later than October 2011.

Eligibility

To be eligible to participate in the KESS programme, prospective students must be resident in the Convergence Area (West Wales and the Valleys) on application, and be able to work in the Convergence Area upon completion of the scholarship. The eligibility form is the first step in the application process and any applications which do not meet the above criteria will not be processed further.

Knowledge Economy Skills Scholarships (KESS) is a pan-Wales higher level skills initiative led by Bangor University on behalf of the HE sector in Wales. It is part funded by the Welsh Assembly Government's European Social Fund (ESF) convergence programme for West Wales and the Valleys.