Guidance for applications to form Research Clusters in the Sêr Cymru National Research Network for Low Carbon, Energy and the Environment

Contents

I. OVERVIEW OF THE PROGRAMME

The Welsh Government and Higher Education Council for Wales have committed to an ambitious initiative in their Sêr Cymru programme to support research excellence, by forming a National Research Network for Low Carbon, Energy and the Environment (NRN-LCEE). This Network is led by Aberystwyth and Bangor Universities under their Strategic Alliance, and was proposed by the following organisations: the Universities of Aberystwyth, Bangor, Cardiff, South Wales & Swansea, NERC Centre for Ecology and Hydrology, NERC British Geological Survey Wales, and the UK Met Office. Throughout these guidelines, these eight organisations will be referred to as the *original applicants*.

a. Background

The overarching aim of the NRN-LCEE is to create a major new initiative for research into the interactions between land, water, provision of food and energy production. This major societal issue has been identified in the Welsh Governments' *Science for Wales* as a crucial area of research with local, regional and global relevance:

"*How to integrate the sustainable use of natural resources for the provisioning of energy, water and food with the delivery of other ecosystem services*".

The vision for the Network is to make Wales a world-leader in a systems-based approach to natural resource management embedded in a social-ecological system. This requires a new, whole-system approach to environmental science integrating research at different spatial scales, and across air-land-freshwater-marine domains. An additional aim is to increase the excellence and sustainability of research being conducted in Wales. A key deliverable of the NRN-LCEE will be a significant increase in the securing of research funding from sources including RCUK and the EU. The NRN-LCEE will examine the opportunities, cost and potential synergies of the delivery of different ecosystem services on land and in the coastal zone. It will focus on the complex issues related to food, energy and water security. Biotechnology, biorenewables and renewable energy topics will be covered, and the research community is challenged to provide relevant research in the face of environmental, societal and economic constraints on local through to global scales. The NRN-LCEE addresses the following broad themes:

1. **Sustainable intensification**
2. **Low carbon energy pathways**
3. **Developing the bio economy – social, economic and technological modelling**
4. **Impacts and mitigation of climate change and human activity**

Further detail on these themes and the Network can be found in the NRN-LCEE Summary document available at: http://www.nrn-lcee.ac.uk.

b. Network structure

The NRN-LCEE will support Fellowships and PhD studentships embedded within **ambitious NRN-LCEE Research Clusters** that will address key knowledge gaps in one or more of the main Network themes. A Cluster is a collaboration between a Principal Investigator (Cluster Leader) from one of the original applicants and Co-Investigators from other partner organisations (which must include at least one of the other original applicants). By bringing together groups with different expertise into new collaborations, it is envisioned that ambitious inter/multidisciplinary teams will be established to deliver creative, excellent research pertinent to both national and international agendas. Ultimately the aim is

to foster a sustainable network of researchers that attracts high quality research funding, produces more of the highest quality research outputs, and attracts high calibre researchers to Wales.

It is expected that partners will represent expertise from different sectors and research areas to align with the cross-disciplinary remit of the NRN-LCEE. Clusters will typically address new areas of research bridging the expertise of the different Cluster member organisations, and will not be a mere continuation of existing research activities. The inclusion of researchers from institutions other than the original applicants is encouraged, but please note the restrictions on funding below.

The NRN-LCEE will support the Clusters by providing funding for:

- Twenty Research Fellows (minimum of 42 and maximum of 48 months).
- Ten PhD studentships (42 month studentships)

Additionally, the NRN-LCEE will coordinate, and fund centrally, workshops, summer schools, visiting speakers and international conference participation for the Fellows and PhD students. The NRN-LCEE will provide additional support for STEM activities and dissemination of the research to non-specialist audiences.

A Research Cluster should be based on:
- Collaboration between **a minimum of two, but preferably more,** of the original applicants (the Universities of Aberystwyth, Bangor, Cardiff, South Wales & Swansea, CEH-Bangor, BGS-Wales and the UK Met Office).
And
- **Up to four** 42-48 month Sêr Cymru Research Fellows.
And/ or
- **Up to two** 42-month Sêr Cymru PhD studentships.

In addition, a Cluster may comprise:
Collaborating partner organisations that are not one of the original applicants. These may include other HEIs, research institutes, industry, business and NGO partners.

c. Start/End date
The NRN-LCEE is funded until 31 December 2018. To allow the funding of up to 48 month positions, and thereby maximising the opportunities, the Fellowships will ideally start by January 1st 2015 but can start up to July 1st 2015. A formal *Cluster agreement* will have to be in place by the start date of the first Fellowship or studentship. The duration of the Fellowships is 42 to 48 months from the start date of the Cluster agreement. All PhD studentships will be funded for 42 months. All Fellowships and studentships have to be completed by December 31st 2018. Details and the allowable costs eligible for NRN-LCEE funding are provided under Section III below.

d. Funding criteria

The proposals will be reviewed by a panel of experts and judged against the following main assessment criteria:

- Research excellence
- Fit of the proposed research within the 4 main themes of the NRN-LCEE programme
- Potential to leverage further high quality research funding
- Potential to build high quality, long-term sustainable research capacity
- Additional resources and infrastructure available to facilitate the Cluster
- Previous track record for research excellence of Cluster partners
- Cross-disciplinarity
- Collaboration across academic disciplines and with third parties such as industry, NGOs or charities.
- Pathways to impact and scheduled STEM activities
- Training opportunities for Fellows and PhDs
- Timeline and Risk

The primary criterion to be considered by the panel will be research excellence and applicants will need to demonstrate an excellent track record of securing external funding, as well as a clear strategy for submitting new research bids related to the NRN-LCEE during the funding period. Proposals will have to demonstrate how the proposed research fits within the remit of the NRN-LCEE research themes, how the proposed research will fill knowledge gaps, and how by bringing together the proposed Cluster partners these aims will be met.

II. NRN-LCEE PARTICIPANTS

a. Original applicants

Original applicants of the NRN-LCEE are the following organisations: the Universities of Aberystwyth, Bangor, Cardiff, South Wales & Swansea, NERC-Centre for Ecology and Hydrology (CEH), NERC-British Geological Survey Wales (BGS Wales), and the UK Met Office. These organisations are signatories on the original NRN-LCEE proposal and will be a party to the Network Framework agreement. N.B. *Being based outside of Wales the UK Met Office will not be able to receive direct funding for Fellows or PhD students, but can host individuals as part of collaborative initiatives within Clusters*.

A minimum of two of the original applicants collaborate within any Cluster. The Cluster is responsible for the direct implementation of the joint training programme of the Cluster by recruiting, supervising, hosting and training researchers.

b. Partner organisations

Partner organisations in a Cluster can be Academic Institutions other than those listed under original applicants, NGOs or industry and business sector organisations. Partner organisations may complement the Clusters by providing additional expertise, services, funds and/ or research opportunities. Partner organisations other than the original applicants and other Welsh HEIs **cannot claim financial support from the Network or receive funding for Fellows or PhDs**. However, it is possible that partners host Fellows and/ or PhD students as visiting scientists or to provide training for part of the duration of a project. Partner organisations can be located in any country, as long as they contribute significantly to research activities and outputs of the Cluster. Proposals will have to demonstrate the direct benefit for the Welsh research capacity of each collaborating partner.

N.B. Partner organisations can participate in more than one proposal, however, individual researchers can only be a Principle Investigator or Co-Investigator on one application.

III. ALLOWABLE COSTS

The NRN-LCEE will provide funds up to a maximum of £223K for each Fellow (42-48 months). It is anticipated that this money will be used to provide a minimum of 42 months salary. Any remaining funds can be used for additional salary (e.g. to appoint at a higher grade, or for 48 months if time allows). Also any remaining not used for salary can be used for **consumable items** (NOT equipment, and not exceeding £2 K per item inc. VAT) **and T&S specific to the research activity of the Fellow only** (e.g. fieldwork expenses and contributions towards open access publishing costs directly attributable to Sêr Cymru research conducted within a Cluster).

The NRN-LCEE will fund PhD stipends using the rates announced by RCUK. Each PhD studentship will also include funding towards research costs in line with RCUK guidelines.

The NRN-LCEE will centrally fund up to a maximum of £1000 towards relocation costs of Fellows from outside of Wales on production of receipts (otherwise it becomes a taxable emolument).

The NRN-LCEE **will not fund** overhead costs, tuition fees, travel (apart from that mentioned above), (admin) support to the Clusters, costs related to filing patents or publishing (other than those directly related to the research of Fellows mentioned above), other IP costs, such as those relating to licensing agreements and the establishment of spin out companies, or any other costs associated with the research.

All funding will be deemed to be inclusive of VAT and other applicable taxes.

IV. CLUSTER APPLICATIONS

a. Who can apply
Applications are invited from collaborations between a minimum of two of the original applicants as listed under Section II. If a Cluster wishes to appoint PhD students, at least one of the partner organisations must be one of the Welsh HEIs.

b. Eligible scientific fields
Applications may be made in any field of research, but the content of the proposal must relate to the NRN-LCEE themes as detailed in the NRN Summary document (http://www.nrn-lcee.ac.uk/documents/NRN_Summary_001.pdf). Proposals have to clearly identify which NRN-LCEE theme(s) the proposed Cluster will address, and how the proposed research fits within these themes. Interdisciplinary and cross-cutting Cluster proposals are encouraged, as are proposals that address several of the themes.

c. Cluster Leaders
Cluster Leaders are based at one of the original applicants of the NRN-LCEE. A Cluster Leader will be an experienced PI and a scientist with a track record of scientific excellence able to demonstrate success in securing substantial (RCUK and EU) funding, and successfully leading large research initiatives. The proposal has to be submitted by the Cluster Leader who will have the scientific responsibility for the Cluster, will liaise with the NRN-LCEE Director and manager and be responsible for the reporting to the NRN directorate.

V. RESEARCHER RECRUITMENT

Each successful Cluster will be responsible for the recruitment and appointment of eligible Fellows (42-48 months Fellowships) and/ or PhD students (42 months studentships). In order to maximise the opportunity to attract excellent talent, Clusters will have to advertise each position internationally and for a period of at least 4 weeks. Clusters are expected to recruit Fellows who have already demonstrated research excellence and have the potential to become research leaders in the future.

Depending on the number of Clusters awarded, it is possible that the advertising of posts will be handled centrally by the NRN-LCEE in order to maximise exposure of the opportunities in the most cost-effective way.

Clusters will be expected to recruit experienced research Fellows that match the following criteria:
- Have a PhD in a field relevant to the Cluster's research.
- Not be awarded their first PhD less than 2 years and more than 8 years prior to the starting date of the position.[1]
- Have published, confirmed accepted or in press, at least 5 papers in ISI accredited peer-reviewed journals by the starting date of the position. (Applicants with longer periods of postdoctoral experience will be expected to have proportionally higher numbers).

Each recruited researcher must:
For Fellows:
- Be employed 100% by one of the original applicants in Wales or on of the other Welsh HEIs associated with the Cluster (if relevant).
- Distribute their time and resources between Cluster partner organisations such that they clearly benefit the whole Cluster.
For PhD students:
- Be registered at one of the Welsh HEIs associated with the Cluster.
- Be jointly supervised by at least two supervisors from partner organisations collaborating in the Cluster (at least one from the original applicants).

---

[1] The reference date for calculation of the eligibility period should be the date of the actual award according to the national rules in the country that the degree was awarded. However, the effective elapsed time since the award of the first PhD can be reduced under the following circumstances where they apply to the Fellow (not family members):
For maternity, the effective elapsed time since the award of the first PhD will be considered reduced by 18 months for each child born after the PhD award. For paternity, the effective elapsed time since the award of the first PhD will be considered reduced by the actual amount of paternity leave taken for each child born after the PhD award.
For long-term illness, clinical training or national service the effective elapsed time since the award of the first PhD will be considered reduced by the actual amount of leave taken for each incident which occurred after the PhD award.
The elapsed time since the award of the first PhD should not in any case surpass 11 years and six months.

VI. DELIVERY AND REPORTING OF NRN-LCEE TARGETS AND KEY PERFORMANCE INDICATORS

a. Key Performance Indicators

The priority aim of the NRN-LCEE is to increase the volume of excellent, internationally recognised research in Wales, as demonstrated by an increase in successful RCUK and EU funding bids and an increase in the number of excellent research outputs. In terms of key performance indicators (KPIs), each successful Research Cluster will therefore have to agree to take responsibility to deliver allocated targets in the Cluster agreement prior to award of any funding (& report progress on these quarterly).

As an indication of the KPIs expected from a Cluster, it is anticipated that each Cluster will:

- Have an agreed number of original and collaborative research papers in ISI-accredited peer-reviewed journals (8 per Fellow, 2 per PhD) published or accepted for publication by December 31st 2018. These need to be submitted by researchers active in the Cluster and must clearly identify and acknowledge the role that the Sêr Cymru NRN-LCEE played in making the publication possible.

- Agree to submit at least 1 major grant proposal per year (≥£200K FEC, or equivalent) to RCUK or EU funding sources. **For Clusters with more than one Fellow, the Clusters must agree to submit an additional major grant proposal for each of the additional Fellows in the Cluster**. These need to be submitted by researchers active in the Cluster and must clearly identify and acknowledge the role of the Sêr Cymru NRN-LCEE in enabling the bid to be made.

- Have an agreed number of abstracts (4 per Fellow, 2 per PhD) accepted for presentation at international conferences by December 31st 2018. These need to be submitted by researchers active in the Cluster and must clearly identify and acknowledge the Sêr Cymru NRN-LCEE in enabling the work behind the abstract to take place.

- Engage annually with at least 2 stakeholders for advocating NRN-related opportunities, capacity building and engagement.

- Develop at least one demonstrable partnership with non-academic partners by December 31st 2018, which is likely to deliver applied research and/ or development targeted at delivering impact to company/ public body or third sector products or services.

- Keep track of and report on external collaborations and outreach activities and collect and record evidence of impact of NRN-LCEE research findings. These will be reported in quarterly reports to the NRN-LCEE management, at dates to be agreed once the Cluster is established.

- Design and deliver a schedule of STEM outreach events for non-specialist audiences.

b. Training

In addition, each Research Cluster will have to contribute to training in the following ways:

- It is anticipated that the PhD students will be fully enrolled into the doctoral training programmes in the host HEI.

- Contribute to centralised Sêr Cymru activities by potentially providing training facilities, potentially hosting events, and by being supportive to students and Fellows to attend relevant events across Wales and potentially internationally.

- Support Fellows and PhD students to attend conferences in order to reach an international audience and to provide career development and networking opportunities.

- Provide excellent supervision to Sêr Cymru PhD students with provision for career guidance, and ensure the meaningful exposure of each researcher to other disciplines and sectors represented in the network through visits, secondments and other training events.

c. Reporting

It is anticipated that each Cluster will:

- Supply quarterly claims and reports, as directed by the NRN-LCEE management, giving overview of the Cluster activities, including updates on the agreed Key Performance Indicators (KPIs) met and on progress made towards meeting KPIs.
- Work jointly with the NRN-LCEE directorate to ensure the coherent and consistent engagement of Cluster researchers into the Network activities.
- Show evidence of engagement with key funding bodies in the UK and Europe in line with the NRN-LCEE objectives.
- Attend annual progress meetings with the NRN-LCEE Science Advisory Board.
- Record and report evidence of any Sêr Cymru NRN-LCEE fostered industrial collaboration successes and any commercial exploitation of IP.

d. Cluster management

Appointed Clusters will allocate responsibilities among Cluster partners and coordinate their activities to ensure that cooperation and communication are as open and efficient as possible, with the appropriate involvement of recruited researchers (for the organisation of meetings and identification of training needs, for example). All partners collaborating in a Cluster will sign a *Cluster agreement* with the NRN-LCEE. The Cluster agreement will be a legally binding agreement including, but not limited to, the employment status of the recruited researchers, IPR and supervision arrangements.

e. Equal opportunities

The NRN-LCEE is committed to providing support for and promoting equal opportunities in all its activities. Therefore, Clusters are expected to ensure that they avoid bias in the recruitment and treatment of researchers and promote equal access for all to the education, training and employment opportunities regardless of gender, disability, age, racial or ethnic origin, sexual orientation, religion or belief, in accordance with this policy.

The NRN-LCEE strongly supports the Athena SWAN Charter for good employment practice for women working in higher education and research. All U.K. partner organisations in the NRN-LCEE are therefore anticipated to either have, or demonstrably be in the process of applying for, the Athena SWAN Bronze Award or demonstrate an equivalent commitment.

VII. APPLICATION PROCESS

There are two parts to the application process:
1) An expression of interest (EoI)
2) Full proposal

a. Timeline
- An EoI has to be submitted for each Research Cluster proposal, and should be submitted to the NRN-LCEE office **as a single pdf** by email to nrn-lcee@bangor.ac.uk by **14 May (16:00 hrs)**. EoIs serve as a preliminary eligibility check (limited feedback may be given) and to be able to establish a suitable review panel.
- Full proposals for a Research Cluster should be submitted to the NRN-LCEE office **as a single pdf** by email to nrn-lcee@bangor.ac.uk by **27 June 2014 (16:00 hrs)**.
- Proposals will be evaluated by an assessment panel and the panel will make its final selection by the end of September 2014. Successful proposals will be notified as soon as possible thereafter.
- Advertisement and appointment of Research Fellows and PhD students by the successful Clusters takes place in October to June 2014. The Research Fellows and PhD students have to be in post by the 30th of June 2015.

b. Key points to be incorporated in the application
- **A clear definition of the research questions that the Cluster will address. N.B. This should clearly outline the gaps in current research that make the question one worthy of support, and why the questions are important in relation to national and international science agendas.**
- **Clearly identify which NRN-LCEE themes the Cluster research aims to address and how the proposed research fits within the 4 themes of the NRN-LCEE programme. Priority will be given to Clusters that are able to address multiple NRN-LCEE themes.**
- **How the proposed consortium of Cluster partners is qualified to address the proposed research questions. The purpose of the Clusters is not to simply support established research, but the invitation is to bring together successful groups to address new research questions. A high priority will be given to proposals that identify research crossing traditional research boundaries/ subject areas.**
- **How the establishment of the Cluster will lead to increased funding bids to RCUK and EU sources, both during the lifetime of the NRN funding and subsequently. In particular it is hoped that the NRN funded Research Clusters will foster research that will cross the traditional boundaries between research funded by U.K. Research Councils.**
- **The anticipated research deliverables. Research excellence is the highest priority, and the Research Clusters will be expected to produce outputs that are of the highest quality.**
- **Demonstrate the direct benefit for Welsh research capacity.**
- **A clear indication of STEM activities and wider dissemination activities planned for the Cluster (N.B. there will be some central funds to facilitate these activities).**

c. Expressions of Interest

The Expression of Interest will be submitted to nrn-lcee@bangor.ac.uk by the Cluster Leader. It should include the following 2 sections combined as a **single PDF document**:

1) **Summary (**written for non-specialists)
   (Maximum of 4 single-sided pages; Font minimum 12; Page margins minimum 2cm)
   a. A brief outline of the aims, planned activities and anticipated deliverables highlighting specific objectives, knowledge gaps and scientific questions to be addressed; expected outcomes; and how the complimentary experience of Cluster members will enable the Cluster to undertake the science.
   b. The "Fit to programme", i.e. how the proposed Cluster addresses one or more of the NRN-LCEE themes".
   c. Justification for the number of Research Fellows and PhDs requested and how these positions will enable the Cluster to function.
   d. Additional resources and infrastructure available to facilitate the Cluster.
   e. Up to 5 suggestions for referees for the proposal. These should be scientists with relevant expertise from outside Wales (UK and Europe), with whom the PI and CoIs have not actively collaborated within the past three years.

2) **Applicants** *(Maximum 1 single-sided page per partner organisation; Font minimum 12; Page margins minimum 2cm)*
   Details of PI and CoIs, and past research excellence of all the Cluster partners. Points to include are: outline of specific expertise available at each partner organisation; summary and findings of recent work by PI and CoIs that has relevance to the proposed research; significant academic and/ or socio-economic impacts of previous work.

d. Full Proposals

The proposal will be submitted by the Cluster Leader to nrn-lcee@bangor.ac.uk, and should include the following 5 sections combined as a **single PDF document**:

1) **Summary** of the aims, planned activities and anticipated deliverables written for non-specialists
   (1 single-sided page; Font minimum 12; Page margins minimum 2cm)

2) **Applicants** *(Maximum 1 single-sided page per partner organisation; Font minimum 12; Page margins minimum 2 cm)*
   a. Details of PI and CoIs, and past research excellence of all the Cluster partners. Points to include are: outline of specific expertise available at each partner organisation; summary and findings of recent work by PI and CoIs that has relevance to the proposed Cluster research; significant academic and/ or socio-economic impacts of previous work.

3) **Case for Support** *(Maximum 10 single-sided pages; Font minimum 12; Page margins minimum 2cm)*. The case for support must include:
   a. The science base for the Research Cluster. This must fully explain the science to be addressed and how the Cluster will meet the science targets and deliverables. The text should be structured into the following sections:
      1. Rationale underlying the proposal
      2. Knowledge gaps covered by the research and summary of the science to be addressed
      3. Specific objectives and scientific questions
      4. Methodology
      5. Risks and risk mitigation
      6. Expected outcomes including both academic and wider societal impacts

7. Benefit of the combined expertise of the partner organisations for the proposed research (*i.e. this should highlight how the proposed research builds on existing research excellence of the individual partners*)

b. Proposed time schedule for the science activities and deliverables.

c. Justification for the number of Research Fellows and PhDs requested and how these positions will enable the Cluster to function.

d. Additional resources and infrastructure available to facilitate the Cluster.

e. Details of associated funding and other research activities that will be used to support the Cluster activities. Evidence of access to the required facilities and data.

f. Costings for the research Cluster (detailing salary costs and research costs for the Fellows and the PhD costs, split between the NRN and funding from Cluster's own resources).**This should be done on the template that will be provided by mid May 2014 on the NRN-LCEE website**.

g. Details on management structure of the proposed Cluster.

h. Details of how the Cluster anticipates to attract future funding, including a preliminary schedule of funding bids. N.B. The deliverables mentioned under VI a above.

i. Up to 5 suggestions for referees for the proposal. These should be scientists with relevant expertise from outside Wales (UK and Europe), with whom the PI and CoIs have not actively collaborated within the past three years.

j. The case should cover the points raised above in section VII b "Key points to be addressed in the application".

4) **A proposed strategy for pathways to impact and proposed schedule of STEM activities** *(Maximum 2 single-sided pages; Font minimum 12; Page margins minimum 2cm)*. This section should including the following:
   a. Identification of those who may benefit or make use of the research.
   b. How they may benefit or make use of the research.
   c. What would be done to ensure they benefit from the research.
   d. Proposed strategy and estimated costs for STEM activities and wider audience engagement.

5) **CVs, publications (up to 20 most relevant publications over the last 5 years), and previous grant capture records** of the PI and CoIs from each of the partner organisations included in the Cluster proposal.

6) **Letters of support** from any co-funders and partner organisations involved in the research but who are not one of the original applicants. This should clearly state what facilities, infrastructure and opportunities the partner organisation is going to bring to the Cluster.

VIII. SUBMISSIONS

The EoI and proposal should be submitted to the NRN-LCEE Office (nrn-lcee@bangor.ac.uk) by the Cluster Leader, who will be the main contact for the NRN-LCEE both during the application process and subsequently should the proposal be successful.

All applications need to be subjected to the normal review and costings procedures within their host institutions before confirmation of funding.

Deadlines
Expressions of interest deadline: 14 May 2014, 16:00 hrs.
Full proposals submission deadline: 27 June 2014, 16:00 hrs.

Questions regarding the Research Clusters and the application process should be addressed to the NRN-LCEE Director, Prof David N. Thomas (d.thomas@bangor.ac.uk) or the NRN-LCEE project manager, Dr Serinde van Wijk (s.j.vanwijk@bangor.ac.uk).

N.B. These guidelines are for information only and may be subject to change.

Researchers in Clusters that require HPC facilities are encouraged to contact HPC Wales to investigate the possibilities for collaboration as part of the Clusters.

High Performance Computing (HPC) Wales is a company formed between the Universities and the private sector in Wales, and provides integrated supercomputing services for businesses and researchers across Wales and beyond, often at fully discounted rates. Host to the UK's largest distributed supercomputing network, HPC Wales offers access to the most advanced computing technology in the world, along with the high level training and customised support to exploit it effectively.

Services

- Access to HPC hardware, software, training & specialist support
- Technical resource to help support funding / grant proposals
- Research commercialisation and links to industrial partners
- Facilitate HPC deployment for the scientific user community
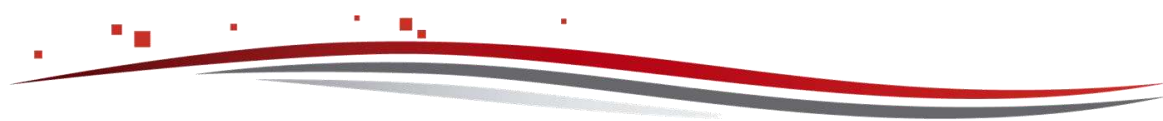
Examples

- Modelling and simulation of genes, proteins, evolution & processes
- Modelling and simulating ocean and weather patterns
- Data mining for classifying multiple trends in large environmental data sets

Cost

- Fully discounted trial accounts available to all researchers
- Fully discounted access for researchers collaborating/wishing to collaborate with an enterprise (large or small) in Convergence Wales – assistance provided if required
- Free training and workshops for researchers working or residing in Convergence Wales

Contact

- Laura Redfern – HPC Wales Outreach (Energy & Environment)
- Email: laura.redfern@hpcwales.co.uk
- Tel: 07850771287

hpcwales.co.uk

High Performance Computing Wales
Ty Menai, Ffordd Penlan, Parc Menai Business Park, Bangor, Gwynedd LL57 4HJ
Registered in England and Wales. Company No. 0718701

13

Funding support available for developing academic/industrial partnerships through LCEE Innovation

LCEE Innovation is funded by the Academic Expertise for Business (A4B) programme of Welsh Government and runs alongside the LCEE National Research Network to develop academic - industrial partnerships to support innovation within the Low-Carbon Energy and Environment Sectors.

If you are developing a NRN-LCEE Research Cluster and are interested in including an industrial partner to support project development, funding may be available from LCEE Innovation to facilitate making academic - industrial links:

Services

➢ Travel and subsistence for academics to visit commercial partners

➢ Funding to host meetings/events with commercial partners

For more information please contact:

➢ **Dr Edward Hodgson**
➢ Email: licensekep@gmail.com
➢ Tel: 01970 823159