

[Back](#) · [Home](#)[NERC Ref](#) · [Region](#) · [Institution](#) · [Person](#) · [Search Term](#) · [Science Classification](#) · [Programme](#)

Details of Award

NERC Reference : NE/F009356/1

[◀ Back to previous page](#)

Using systematic review methodology to establish an evidence base for implementation of the Environment Agency Wales Climate Change Strategy

Principal Investigator: [Professor AS Pullin](#), Bangor University, Sch of Environment and Natural Resources**Grant Award****Co-Investigator:** [Dr P Dennis](#), Aberystwyth University, Inst of Rural Studies**Co-Investigator:** [Professor G Edwards-Jones](#), Bangor University, Sch of Environment and Natural Resources**Co-Investigator:** [Professor DL Godbold](#), Bangor University, Sch of Environment and Natural Resources**Co-Investigator:** [Dr JR Healey](#), Bangor University, Sch of Environment and Natural Resources**Co-Investigator:** [Professor DL Jones](#), Bangor University, Sch of Environment and Natural Resources**Co-Investigator:** [Professor CJ Thomas](#), Aberystwyth University, Inst of Rural Studies**Grant held at:** [Bangor University, Sch of Environment and Natural Resources](#)

Science Area:	Atmospheric Freshwater Terrestrial	ENRIs:	Biodiversity Environmental Risks and Hazards Global Change Natural Resource Management Pollution and Waste
Secondary Classification:		Science Topics:	Climate and climate change Conservation ecology Environment and health Land - atmosphere interactions

Science Classification details

Overall Classification: Freshwater**PRC:** Knowledge Exchange Moderating Panel

Abstract: There is a lack of knowledge dialogue in environmental management at the interface between scientific research and policy/practice. This project develops an existing partnership between scientists at the Centre for Evidence-Based Conservation (CEBC), University of Wales, Bangor and decision-makers at the Environment Agency with the key aim of developing and implementing a model for knowledge transfer in environmental management through an evidence-based framework following a protocol modified from that established in the field of health care research and practice. The partnership was established through a NERC Knowledge Transfer Grant to develop an evidence-based framework for biodiversity conservation. The success of this programme has encouraged both parties to explore the broadening of the approach from biodiversity management to wider environmental management issues. The Centre for Evidence-Based Conservation will undertake systematic reviews and disseminate research evidence to support decision-making using the methodology established through the current Knowledge Transfer Programme. The work requires a trained individual, working within the CEBC team, to systematically search for and access relevant information using an explicit and repeatable review protocol so as to avoid bias, interpret the findings and present them on an open-access web site in a format suitable for decision-makers. The Environment Agency Wales has identified subject areas for review from its Climate Change Strategy Implementation Plan. The Agency will assess the review evidence produced in this project and feedback information on its utility. The output represents a critical step forward in knowledge transfer in push-delivering systematic unbiased reviews of evidence to decision-makers to underpin environmental policy and practice. To date decision-makers rely heavily on their own experience, i.e. decision-making is largely experience-based rather than evidence-based. Decision-makers want to and do use evidence when available, but what they gather is not systematic, but incomplete and often biased. This framework offers a systematic, transparent and unbiased method of appraising the evidence. The approach has other significant benefits; the evidence-based framework is also a formal method for identifying gaps in evidence and therefore prioritising research. It therefore encourages a two-way flow of information between the research and user communities encouraging a move toward more needs-led research. The project is directly relevant to NERCs aim of ensuring NERC science contributes to the effectiveness of public services and the sustainability of human wellbeing.

NERC Reference: [NE/F009356/1](#)**Award State:** [70 - Started](#)**Period of Award:** [14 Apr 2008 - 13 Apr 2011](#)**Award Type:** [Knowledge Exchange](#)**Value:** [£160,902](#)**JeS Grant State:** [3 - Active](#)[\(FY details\)](#)**Programme:** [Directed Knowledge Exchange](#)[Authorised funds only](#)[Top ▲](#)This grant award has a total value of **£160,902**

FDAB - Financial Details (Award breakdown by headings)

Estate Costs	Indirect Costs FeC	Investigators DA	Other Directly Incurred Costs	Other Staff	Travel & Subsistence
£8,406	£74,395	£19,173	£3,376	£51,585	£3,967

If you need further help, read the [user guide](#) or contact us via the [feedback form](#).