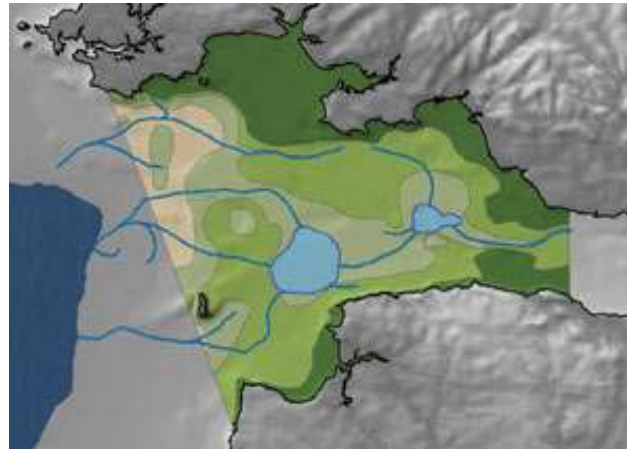




# The Offshore Renewable Energy Impact Network

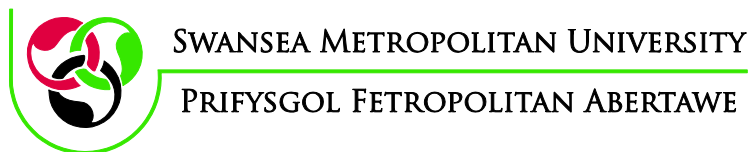


Llywodraeth Cymru  
Welsh Government

<http://orein.org.uk/>



OREIN brings together specialists from a range of disciplines to share and develop knowledge regarding the impact of the development of offshore renewable energy on the wider economic, environmental, social and cultural fabric of the Welsh coastline



# Objectives

Develop the potential for HEI's to provide WG and industry with the best information to manage and protect the historic coastal and marine environment

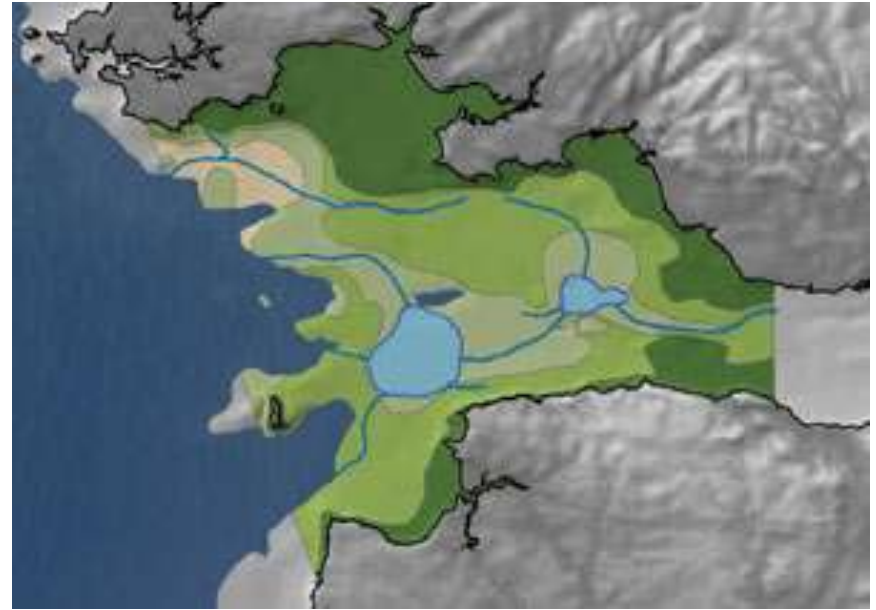
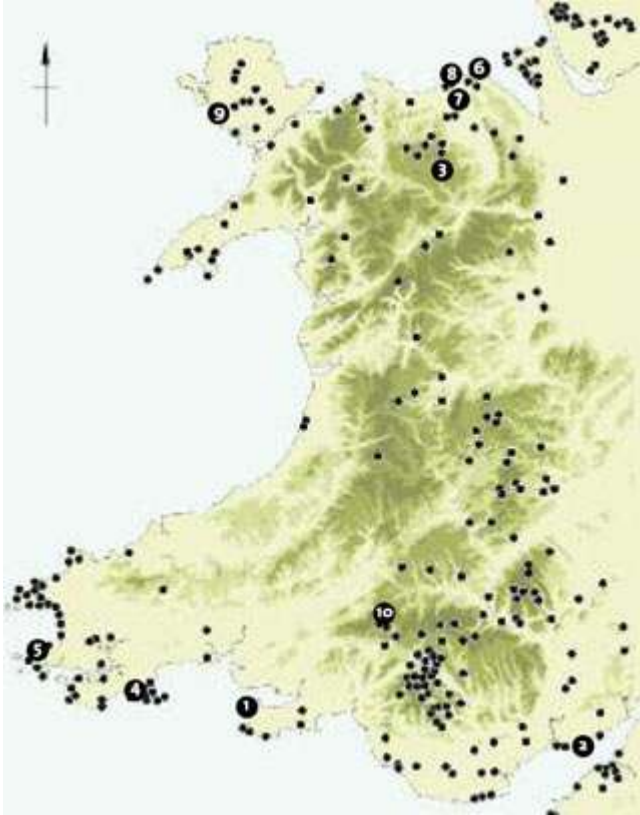
- influence policy
- attract research funding
- develop commercial consultancy
- sustain the network in the long term



# UK Marine Policy Statement 2010

- **Historic Environment**
- The historic environment of coastal and offshore zones represents a unique aspect of our cultural heritage. In addition to its cultural value, it is an asset of socio-economic and environmental value. It can be a powerful driver for economic growth, attracting investment and tourism and sustaining enjoyable and successful places in which to live and work. However, heritage assets are a finite and often irreplaceable resource and can be vulnerable to a wide range of human activities and natural processes.
- “In England and Wales, where development that would result in the loss of the whole or a material part of a heritage asset’s significance is justified, the marine plan authority should require developers to record the asset’s significance before it is lost, and to deposit copies of the resulting reports with the relevant local authority planning authority, historic environment record and national heritage agency”

# Submerged Landscapes



*Bristol Channel during the Mesolithic period*



# Coastal Archaeology



# Shipwrecks and fallen aircraft



# UK Marine Policy Statement 2010

- **Seascape**
- The effects of activities and developments in the marine and coastal area on the landscape, including seascape, will vary on a case-by-case basis according to the type of activity, its location and its setting. There is no legal definition for seascape in the UK but the European Landscape Convention (ELC) defines landscape as “an area, as perceived by people, whose character is the result of the action and interaction of natural and/or human factors”. In the context of this document, references to seascape should be taken as meaning landscapes with views of the coast or seas, and coasts and the adjacent marine environment with cultural, historical and archaeological links with each other.

# (Pre-?) Historic Seascapes



# Research Themes

Maritime Archaeology

Nigel Nayling  
Martin Bates



Application of geophysics and site investigation to marine cultural heritage

Colin Jago  
Gay Mitchelson-Jacob



Seascapes, aesthetics, amenity and tourism in relation to offshore installations and onshore infrastructure

Powell Strong  
Steve Morris



Impacts of offshore installations on coastal processes and their impacts on cultural heritage

Mike Phillips



Current and forthcoming legislation/regulation in relation to the above areas

All

# Activities

This document was produced by Emu Ltd on behalf of COWRIE Ltd, with the aim of providing guidance and best practice options in relation to the integration of archaeological assessment with offshore renewable energy project-led geotechnical investigations.

- Website

The inclusion of archaeological assessment within the geotechnical planning, acquisition and assessment process is vital to ensure not only the cost-effective and efficient use of resources for the developer, but also to ensure optimum data collection strategies and the best use of the acquired data for archaeology. This document will provide practical guidance to developers and their geotechnical and archaeological contractors on the integration of archaeological assessment with geotechnical investigations.

- Stakeholder engagement (Policy makers, NGO, Industry)

This guidance is intended for use by geotechnical engineers, geotechnical, archaeological and environmental consultancies and contractors, industry regulators and other authorities, and national and local historic environment curators in managing the marine historic environment within the Environmental Impact Assessment process.

Offshore Geotechnical Investigations and Historic Environment Analysis:

Guidance for the Renewable Energy Sector

Final Report January 2011

- Seminars/workshops

- Events

- Targets: Projects identified, collaborative R&D, enterprise assists, funding secured

- Timetable: A4B funding through to April 2012



COWRIE [www.offshorewind.co.uk](http://www.offshorewind.co.uk)



# Working with Industry – Marine Development

