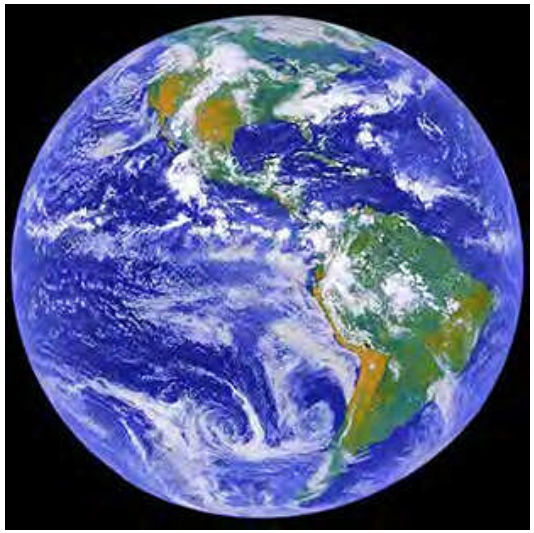
Living With Environmental Change

LWEC



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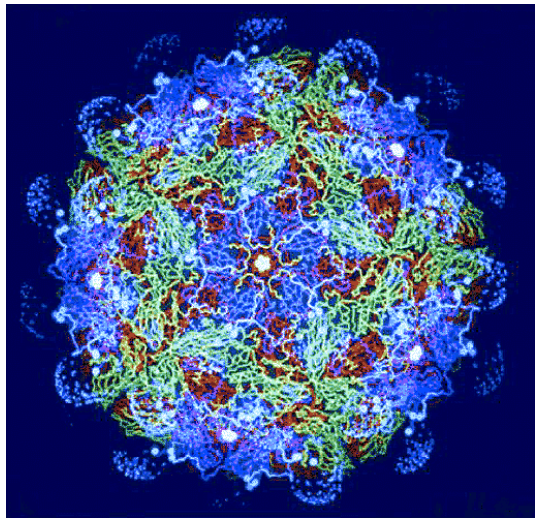


Key global challenges

Population growth

Technological change

Globalisation

Food, water and energy security

Urbanisation

Biodiversity loss

Poverty alleviation

Infectious diseases

- The LWEC partnership brings together 20 UK organisations funding, undertaking and using environmental research.

- To accelerate the delivery of research on environmental change into policy and business by aligning research, policy and business needs through a process by which research is co-designed and co-produced.

- To provide government, business and society with foresight, knowledge and tools for UK leadership in mitigating, adapting to and capitalising on environmental change

Living With Environmental Change
LWEC
Arts & Humanities Research Council
NATURAL ENVIRONMENT RESEARCH COUNCIL
defra
Department for Environment Food and Rural Affairs
Communities and Local Government
EPSRC
Engineering and Physical Sciences Research Council
bbsrc
biotechnology and biological sciences research council
DFID
Department for International Development
Technology Strategy Board
Driving Innovation
NATURAL ENGLAND
DEPARTMENT OF ENERGY & CLIMATE CHANGE
Llywodraeth Cynulliad Cymru
Welsh Assembly Government
E·S·R·C
ECONOMIC & SOCIAL RESEARCH COUNCIL
Department for Transport
Met Office
Local Government Association
MRC
Medical Research Council
The Scottish Government
SEPA
Scottish Environment Protection Agency
DH
Department of Health
Environment Agency

LWEC Objectives

1. To predict the impacts of **climate change** and to promote sustainable solutions through mitigation and adaptation

2. To manage **ecosystems** for human well-being and protect the natural environment as it changes

3. To promote human well-being, alleviate poverty and minimise waste by ensuring a sustainable supply of **food and water**

4. To protect human, plant and animal **health** from diseases, pests and environmental hazards

5. To make **infrastructure, the built environment and transport** systems resilient to environmental change

6. To understand how **people** respond to a changing environment and develop thriving, cohesive and informed communities

LWEC Objectives

1. To …pacts of **cl**… and to pr…able soluti…itigation a…

2. To …**ystems** fo…being and …tural envir…anges

3. To …an well-bei…overty and …ste by ensur…ble supply…**water**

4. To …, plant an…**h** from dis…nd envir…rds

5. To …**ucture, th**…**nment an**… syste… environme…

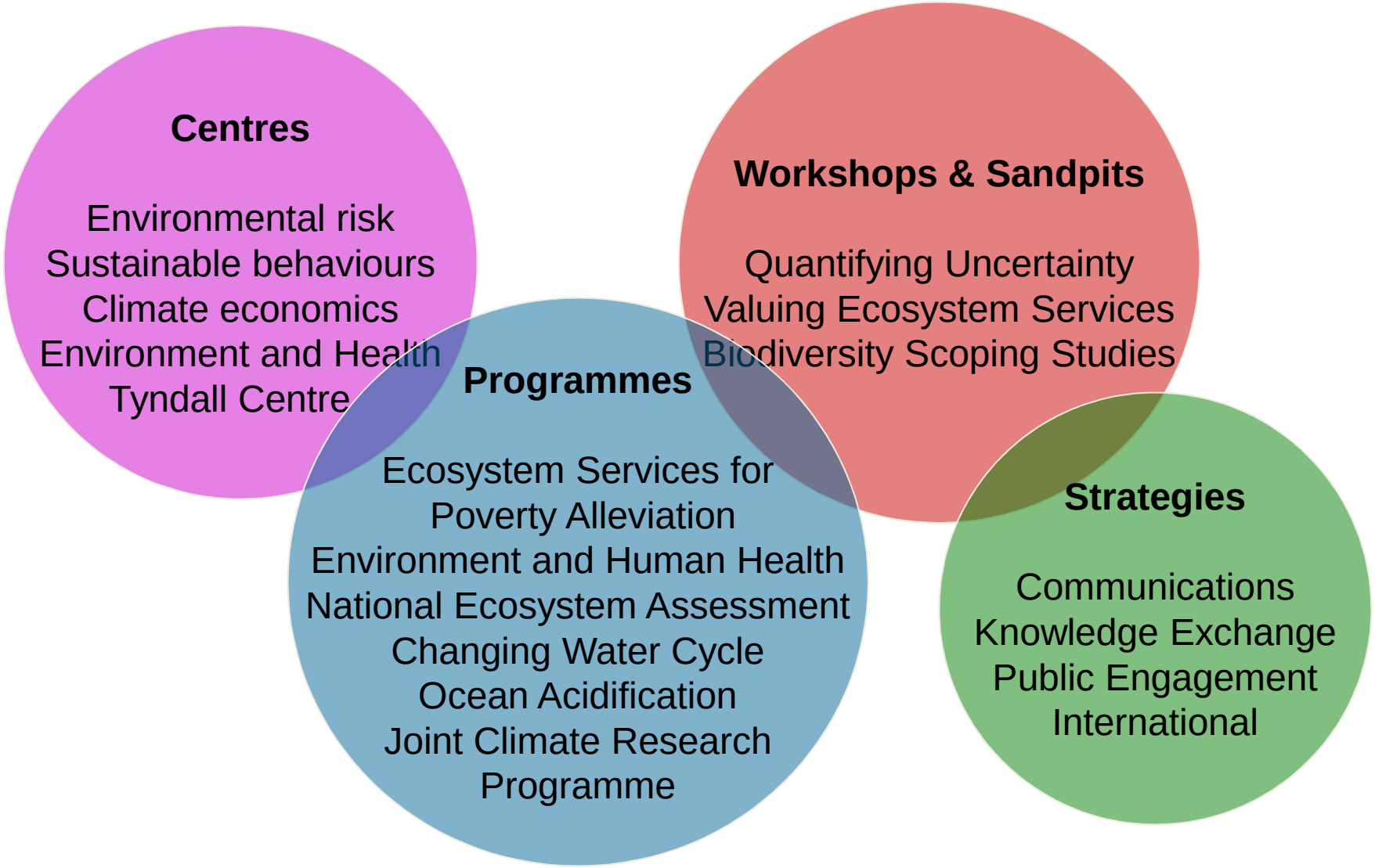
6. To …ow **people**…changing e…nd devel…hesive an…mmunities

How do we deliver a low carbon society?

How do we ensure food, water and human security?

How do we increase the resilience of vulnerable people, places and infrastructure?

LWEC Activities



Engaging the AHRC community

1. Histories of environmental change
2. Representing environmental change
3. Knowledge and value
4. Material culture and sustainability

Living With Environmental Change

LWEC

How do we best work together to produce world class science that meets the needs of society?