Research Councils UK

- Economics
- Chemistry
- Astronomy
- Social Sciences
- Medical Sciences
- Humanities
- Environmental Sciences
- Physics
- Engineering
- Biological Sciences
- Arts
RCUK’s Energy Programme

RCUK’s Energy Programme was launched to:

- Support a full spectrum of energy research
- Work in partnership with the energy community
- Increase international visibility and international collaboration within the UK energy research portfolio.
- Expand UK research capacity in energy-related areas.

Reduce GHG by 80% emissions before 2050.

15% of energy from renewable sources by 2020.

Increase energy efficiency.
Strategy, Planning and Management

The Councils have worked together strategically over the last three spending reviews.

High level input from a Scientific Advisory Committee: industry, academic, Innovate UK, DECC & BIS representation.

Working together the Councils to plan and support energy research and training.
EPSRC & CCS

EPSRC funded a number of areas including:
- CCS for Natural Gas Power Stations.
- Challenges in Geological Storage for CCS.
- Challenges in Carbon Capture for CCS.
- And the current call in Industrial CCS.

EPSRC has invested in a number of projects;
- Early career and established career fellowships.
- Invested in a new Centre of Doctoral Training (CDT) in CCS and Cleaner Fossil Energy.
EPSRC/NERC interface

- Injection of CO$_2$ and injection sites – e.g. cap rock. EPSRC & NERC.
  (Injection = EPSRC; Cap rock = NERC).
- Monitoring, measurement and verification. Depends on focus.
- Modelling e.g. of reservoirs. [Generally NERC, fluid dynamics EPSRC]
- Enhanced oil recovery. [Usually EPSRC]
- Behaviour and migration of trapped CO$_2$. [NERC]
- Permeability and porous media. [Usually NERC]
- Pore scale studies. [Typically NERC]
- Capture and transport and whole systems modelling: EPSRC
- Storage and environmental aspects of CCS: NERC
- Use the remit enquiry service if you are not sure which council to submit to:
  
  http://www.epsrc.ac.uk/funding/howtoapply/basics/remit/remitqueries/
Our Mission 2016-21

EPSRC aims to provide research and postgraduate training to tackle all elements of the energy ‘trilemma’.

- Enhance security of supply
- Reduce emissions
- Reducing cost
Our Mission 2016-21

Future priorities include;

- Securing energy supply.
- Promote Low carbon innovation.
- Enhance understanding of the social, environmental and economic implications of future energy options, i.e. CCS.
- Reduce energy consumption and demand through developing whole system methods.
- Build capacity of skilled people to deliver new energy systems.
- Continue to build and sustain international links with key countries.