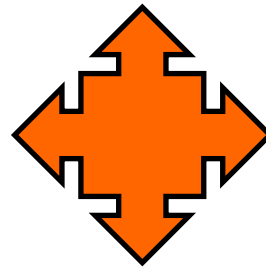


Research Councils UK Energy Programme

Objectives of the RCUK Energy Programme

To expand the **UK research capacity** in energy-related areas.

To support a **full spectrum of Energy research** to help the UK meet the objectives and targets set out in the 2007 Energy White Paper



To **work in partnership** to contribute to the research and postgraduate training needs of energy-related business and other key stakeholders

To increase the **international visibility** and level of international collaboration within the UK energy research Portfolio.

investing
in ideas...

pioneering a low
carbon future that
everyone can enjoy

Our support for CCS



Or £60M of CCS research and capacity building projects include:

- The UK CCS Research **Centre**.
- **Research consortia:** carbon capture, utilisation, transport and storage; multi-scale whole systems modelling; CCS for natural gas, eco-systems impacts: kinetics of fluid-rock interactions in reservoirs.
- **Projects building international links:** Cleaner Fossil Fuels and CCS technologies in collaboration with China (NSFC).
- **Building capacity:** the Engineering Doctorate Centre in Efficient Fossil Energy Technologies plus an award to fund six new lectureships, fellowships.
- A **network** to link together the research community.
- **Grants:** responsive mode, First grants.
- Central support for **institutes and centres** such as British Geological Survey, Plymouth Marine Laboratory and NOCs.

We work with TSB, ETI and DECC to coordinate our activities.

We set up UKCCSRC to



- Provide a national focal point for CCS research and development
- Develop and manage national facilities.
- Provide a clear route in for industry and other stakeholder involvement in research
- Facilitate knowledge exchange and input to policy
- Increase cooperation between researchers
- Better place the UK to compete internationally.
- Manage data and knowledge
- Consider the postgraduate training and skills needs for CCS.
- Help accelerate the deployment of CCS in the UK



Other relevant activities

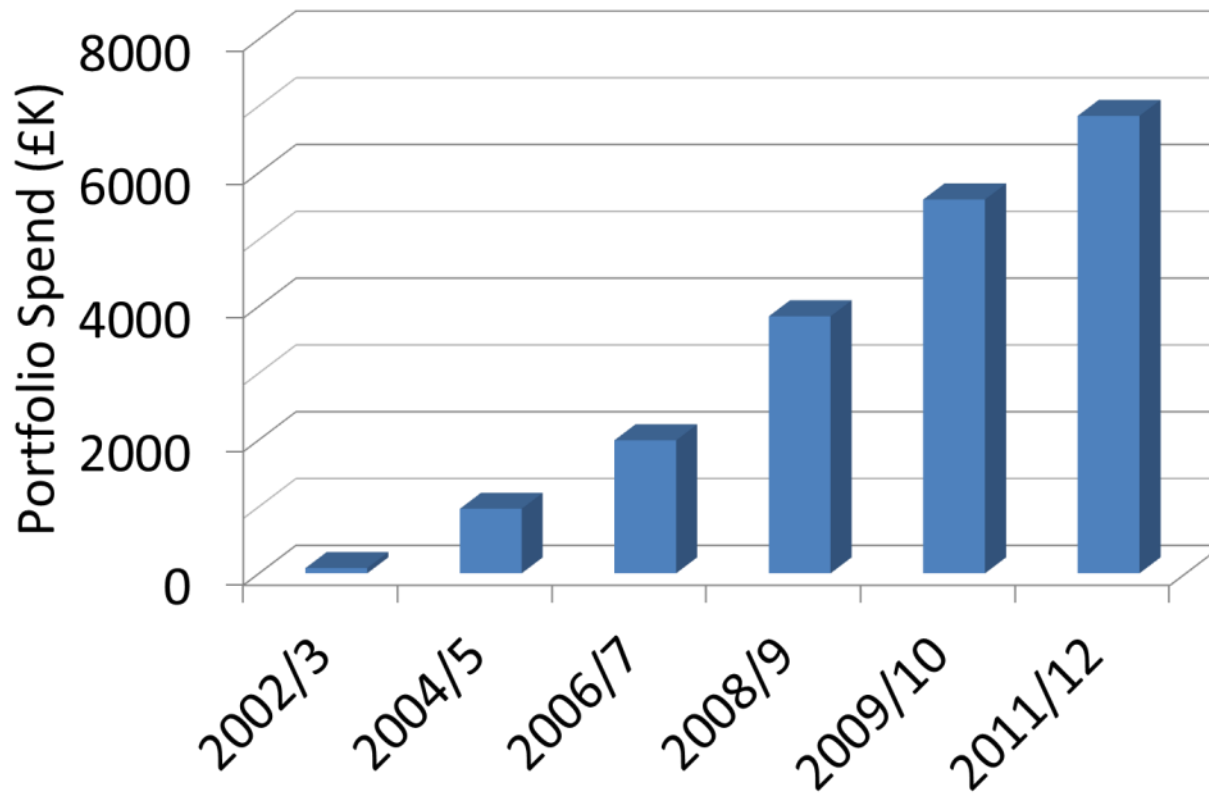


Carbon Capture and Utilisation:

- 4 major consortia projects including a £4.5m consortium project “A coordinated comprehensive approach to CCU”.
- CO2Chem network, including members from 57 companies and 44 universities.
- Conventional energy projects
- Our support for UKERC
- Energy and the Physical Sciences call included CCS/CCU.
- Power electronics underpinning activity (£18M)

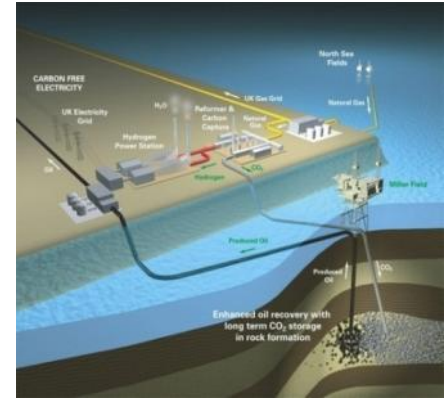
- A reminder that there has been a lot of good news recently for research and capacity building in this area

Growth in support for CCS by the Energy Programme



Our recent announcements

- UK Carbon Capture and Storage Research Centre (UKCCSRC)
- Flex-e-Plant – Consortium of conventional power researchers with matching industrial support
- £350M CDT call (EPSRC wide), including CCS and clean fossil energy. Builds on our current support for the Engineering Doctorate Centre and BF2RA



Further investments next month

- Nanotechnology carbon capture and utilisation projects: up to £3M
- Grand Challenge in CCS (EPS research challenges in geological storage): up to £5M
- Responsive mode and energy and the physical sciences proposals
- Fellowships: early career and established career CCS proposals

These could amount to up to another £10M



Still much to come



- NERC is considering potential activities related to CCS storage and has held scoping workshops.
- Possible call under FENCO with Norway and others
- Working with UKCCSRC in planning their call
- Centres for Doctoral Training call
- Fellowships call still open for CCS
- Calls are being planned for 2013 in CCS and conventional energy for commitment around May 2014.

We welcome your views, particularly on further research needs in conventional energy, and also for unconventional sources.

- ☞ Thank you
- ☞ Introducing your new EPSRC contact:
Becky Leithall
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