

# Research Councils UK Energy Programme

Becky Leithall

CCS Portfolio Manager, EPSRC

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# Presentation Highlights

- RCUK Energy Programme

- Developing Leaders

  - Centres for Doctoral Training

  - Fellowships

- FENCO-NET Collaboration

- Future Opportunities

pioneering  
carbon technologies that  
everyone can enjoy

# What is the RCUK Energy Programme?



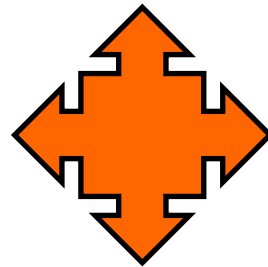
- Led by the Engineering and Physical Sciences Research Council (EPSRC).
- Brings together the work of
  - EPSRC
  - Biotechnology and Biological Sciences Research Council (BBSRC)
  - Economic and Social Research Council (ESRC)
  - Natural Environment Research Council (NERC)
  - Science and Technology Facilities Council (STFC).

pioneer the world's  
carbon footprint that  
everyone can enjoy

# Key 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.

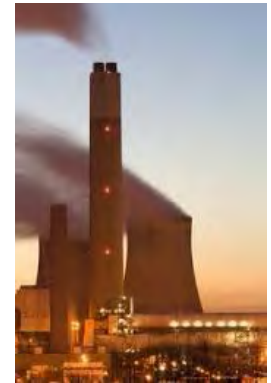
investing  
in ideas...

pioneering a low  
carbon future that  
everyone can enjoy

# Funding a Full Spectrum of Leading Research and Training

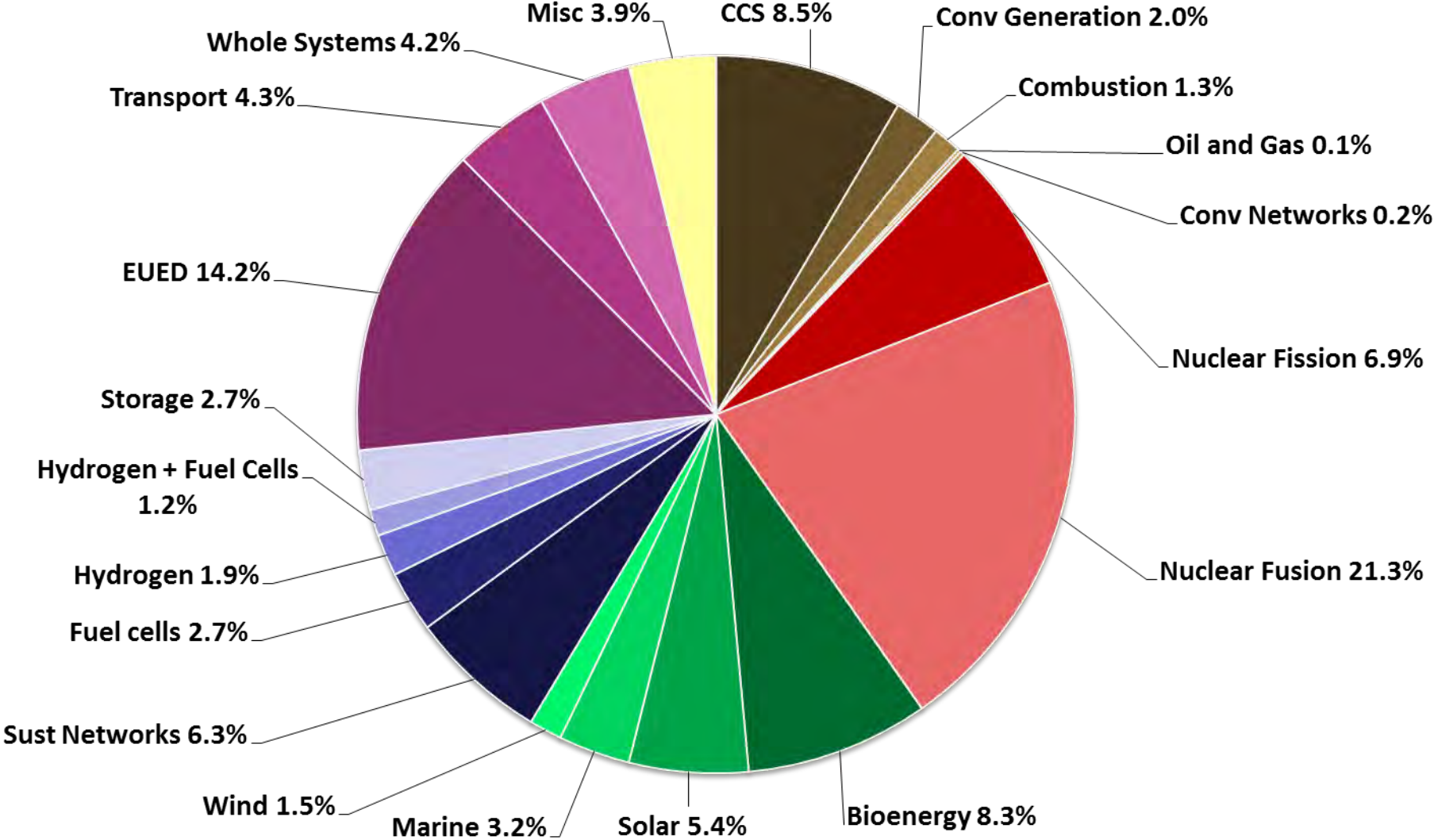


- Bioenergy
- Cleaner fossil fuels
- **Carbon Capture and Storage**
- Energy efficiency
- Fusion
- Hydrogen and fuel cell technology
- Marine
- Networks and storage
- Nuclear fission
- Policy, society and economics
- Solar
- Wind





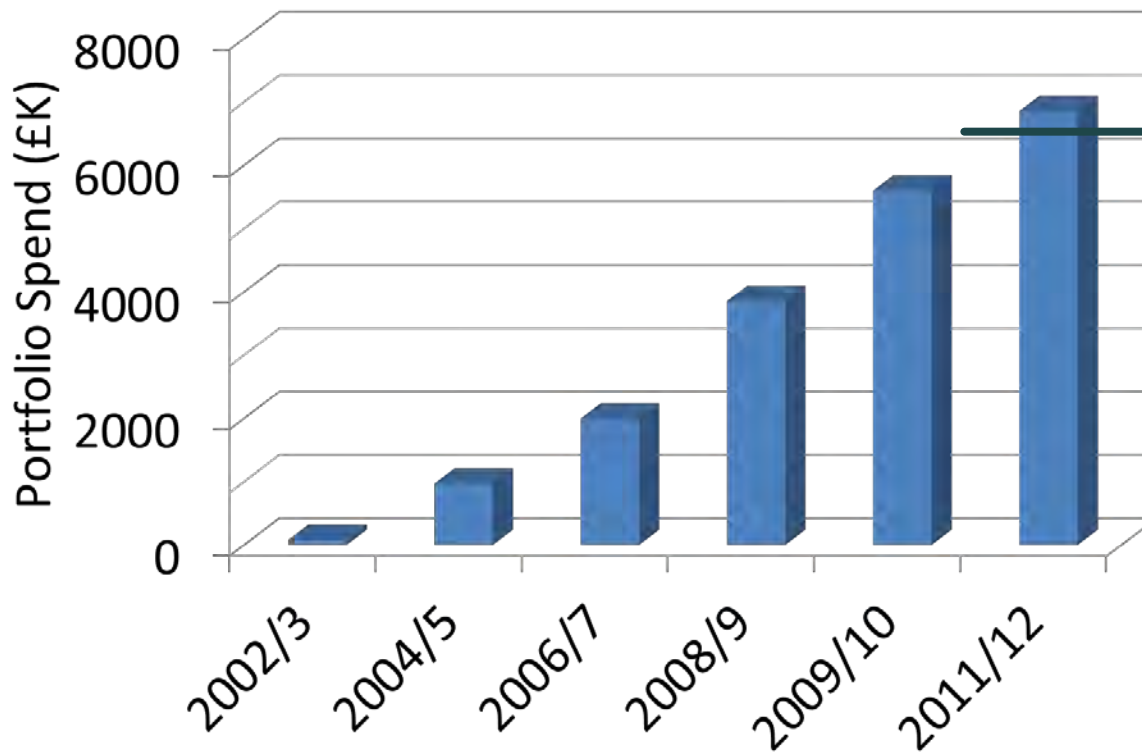
# Energy Portfolio Breakdown



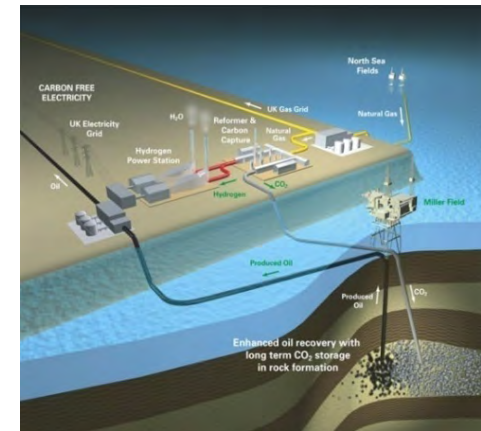
**Total: £807M**

# Carbon Capture and Storage in the Energy Programme

- A priority area for the Energy Programme
- Currently supports **over £60M** in current grants for CCS research



EPSRC aims to **maintain** the current level of support in the CCS research area.



Supporting the UK's commitment to cleaner coal power generation.

# Research and Training

£807M invested in skills, research and knowledge transfer



for research grants



for doctoral training



# Fellowships: Council-wide Overview



- A council-wide review of Fellowships began in July 2011.
- Linked with the Shaping Capability rationale for our wider portfolio.
- Support for three stages:
  - Postdoctoral
  - Early Career
  - Established Career
- Two fellowship rounds per year operated through an open call on our webpage.
- A '**person specification**' is used to describe the desired attributes for each career stage.
- Applicants work with their institutions to establish which career stage suits them best.



# Energy Fellowships



Energy fellowships are open in the following areas:

Theme	Portfolio Manager	Postdoctoral	Early Career	Established Career
End Use Energy Demand	David Holtum	✓	✓	
Carbon Capture and Storage	Becky Leithall		✓	✓
Marine Energy	Lewis Preece		✓	✓
Offshore Wind	Lewis Preece			✓
Energy Networks	Justin O'Byrne	✓	✓	
Energy Storage	Jacqui Williams	✓	✓	
Nuclear Fission	Neil Bateman	✓	✓	
Fuel Cells	Lewis Preece		✓	



➤ **Early Career and Established Career fellowships are available in CCS.**

➤ Review is underway to ensure we are successfully building capacity.

# Centres of Doctoral Training

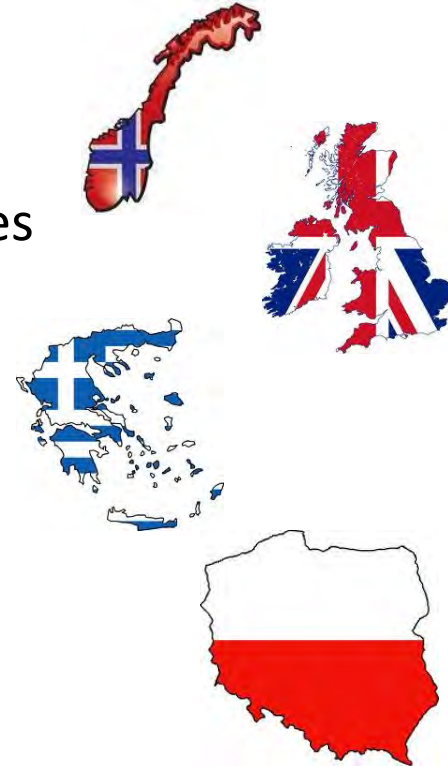
- One of the three main ways EPSRC provides support in doctoral training.
- Four year doctoral level training including both technical and transferable skills, focussing on a priority area.
- Council wide exercise to fund a second generation of well-placed centres to follow on from those established in 2009
- £82 M investment, engaging with over 100 collaborators
- “Carbon Capture and Storage and Clean Fossil Energy” is one of the CDT priority areas for the energy programme.
- Two strong proposals for CCS centres have been invited through to the interview stage – To be completed October 2013.



# FENCO-NET collaboration

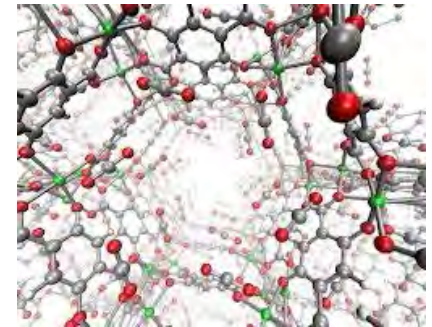


- FENCO-NET aims to facilitate and encourage **transnational cooperation** of national R&D programmes in the fossil energy field
- **United Kingdom, Greece, Poland and Norway**
- Applications closed **29<sup>th</sup> May**
- Expert panel meeting took place on **3<sup>rd</sup> September**
- Projects will begin from October



# Developing a Future Call

- Up to £4 million investment in **Carbon Capture Technologies** to complement the conventional power consortium and geological storage proposals funded in the last spending period
- Scoping **Workshop** was held on **15<sup>th</sup> August 2013**
- Call priorities are being scoped from the workshop.
- Dates of call release and closure to be finalised (approx. September – January).





## My News:

- ☞ I will be leaving to have my baby on 26th September
- ☞ Best wishes with planning and submitting of Carbon Capture proposals and CCS CDT interviews
- ☞ See you soon!



# Thank You For Your Attention

Becky Leithall  
Carbon Capture and Storage Portfolio Manager  
[rebecca.leithall@epsrc.ac.uk](mailto:rebecca.leithall@epsrc.ac.uk)  
01793 444 498

