

# Research Councils UK Energy Programme

**EPSRC Update** 

15<sup>th</sup> October 2015

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For a Low Carbon Energy Future

# Research Councils UK





# **RCUK's Energy Programme**



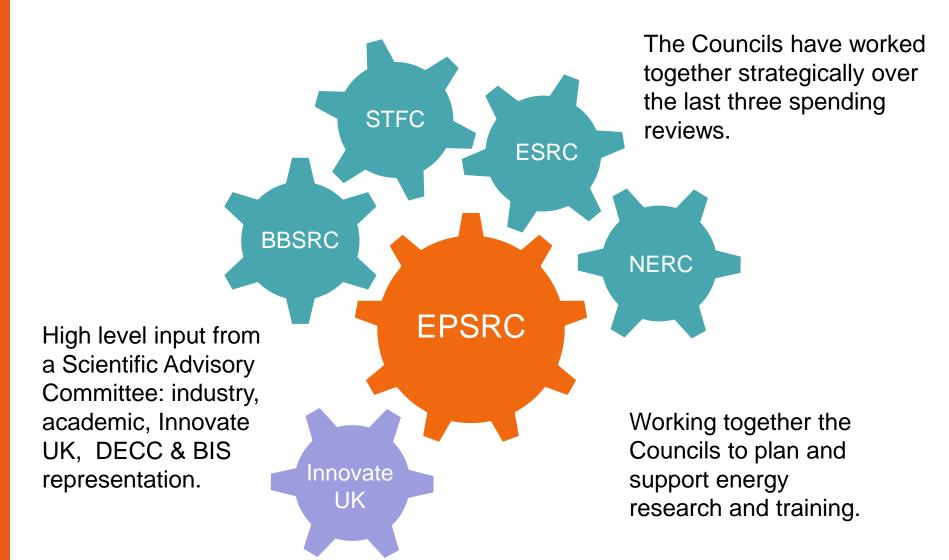
RCUK's Energy Programme was launched to;

- 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.



# Strategy, Planning and Management





# **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<sub>2</sub> 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<sub>2</sub>. [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:

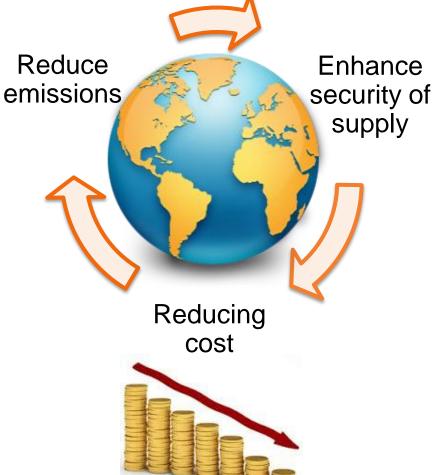
http://www.epsrc.ac.uk/funding/howtoapply/basics/remit/remitqueries/

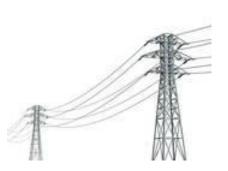
# Our Mission 2016-21



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







## 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.



