

Research Councils UK Energy Programme

Context for Energy Epidemiology

1 October 2015

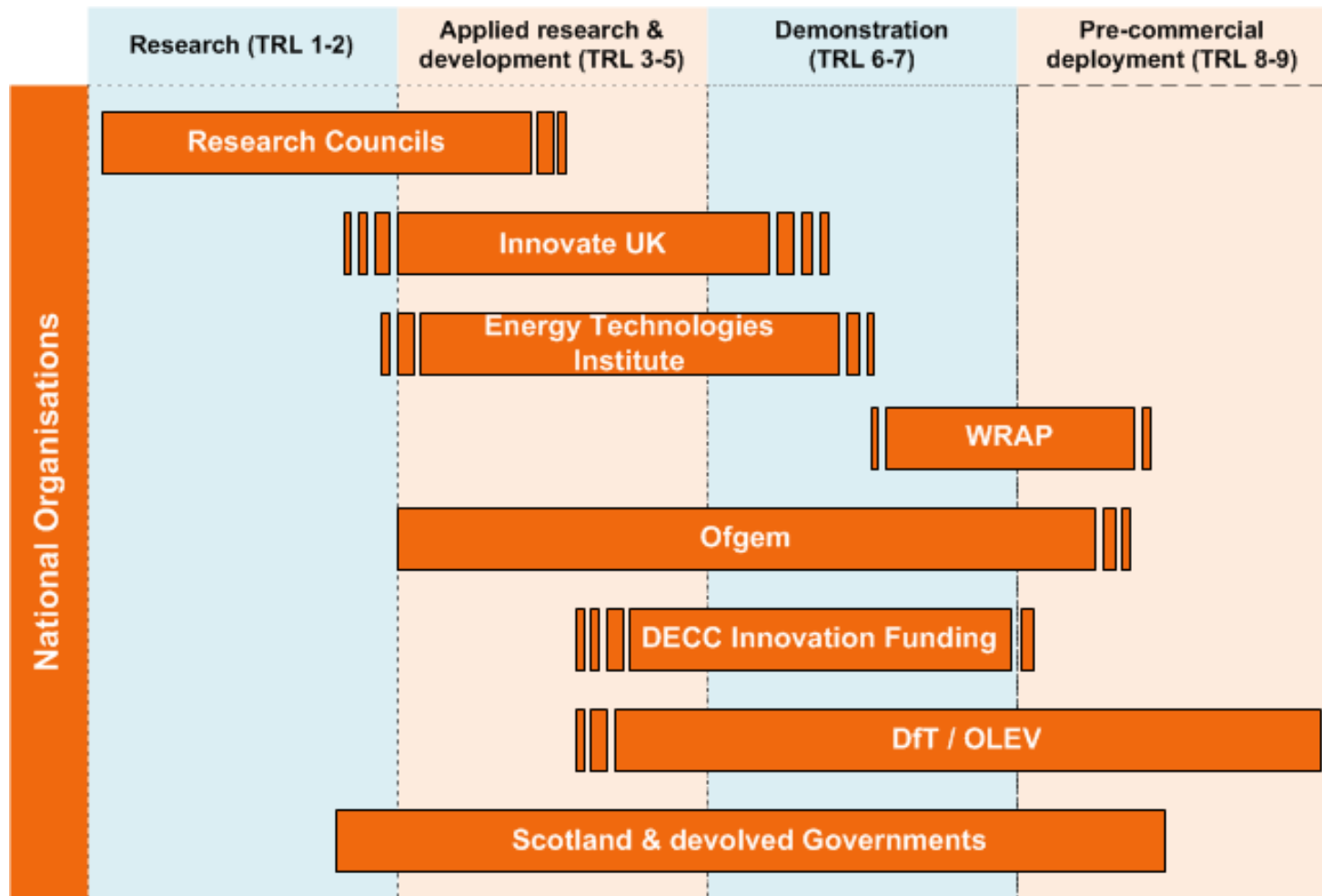
Dr Glenn Goodall

Portfolio manage: EUED, Urban Living, Wind Power and Marine Energy

For a Low Carbon Energy Future

The Energy Landscape

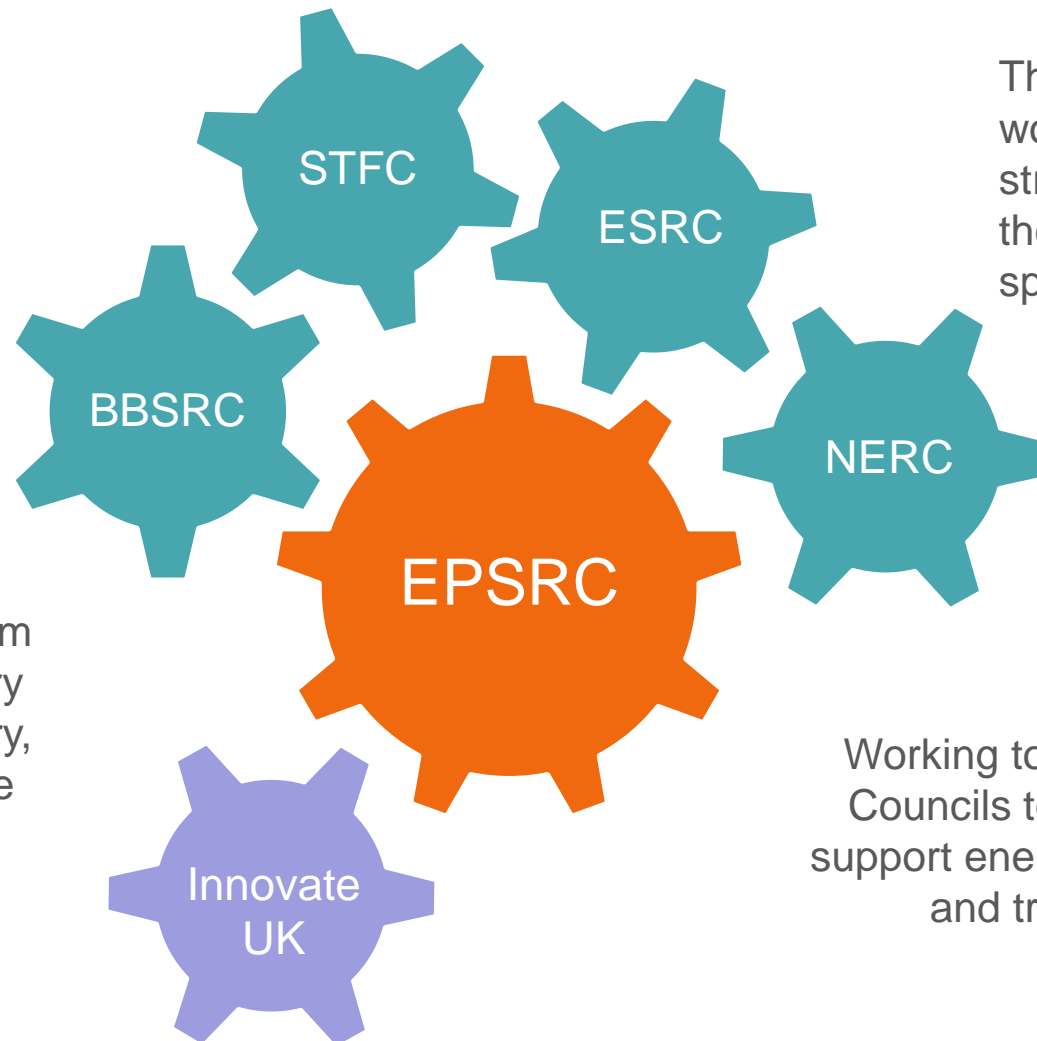
Public Sector organisations working together to provide coordinated activity and a complete innovation chain. Coordinated through the Low Carbon Innovation Co-ordination Group (LCICG) led by DECC.



Strategy, Planning and Management



The Research Councils work together to plan, develop and deliver energy research and training within a common strategic framework through the RCUK Energy Programme.



The Councils working 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

Balancing our Portfolio (2010-15)



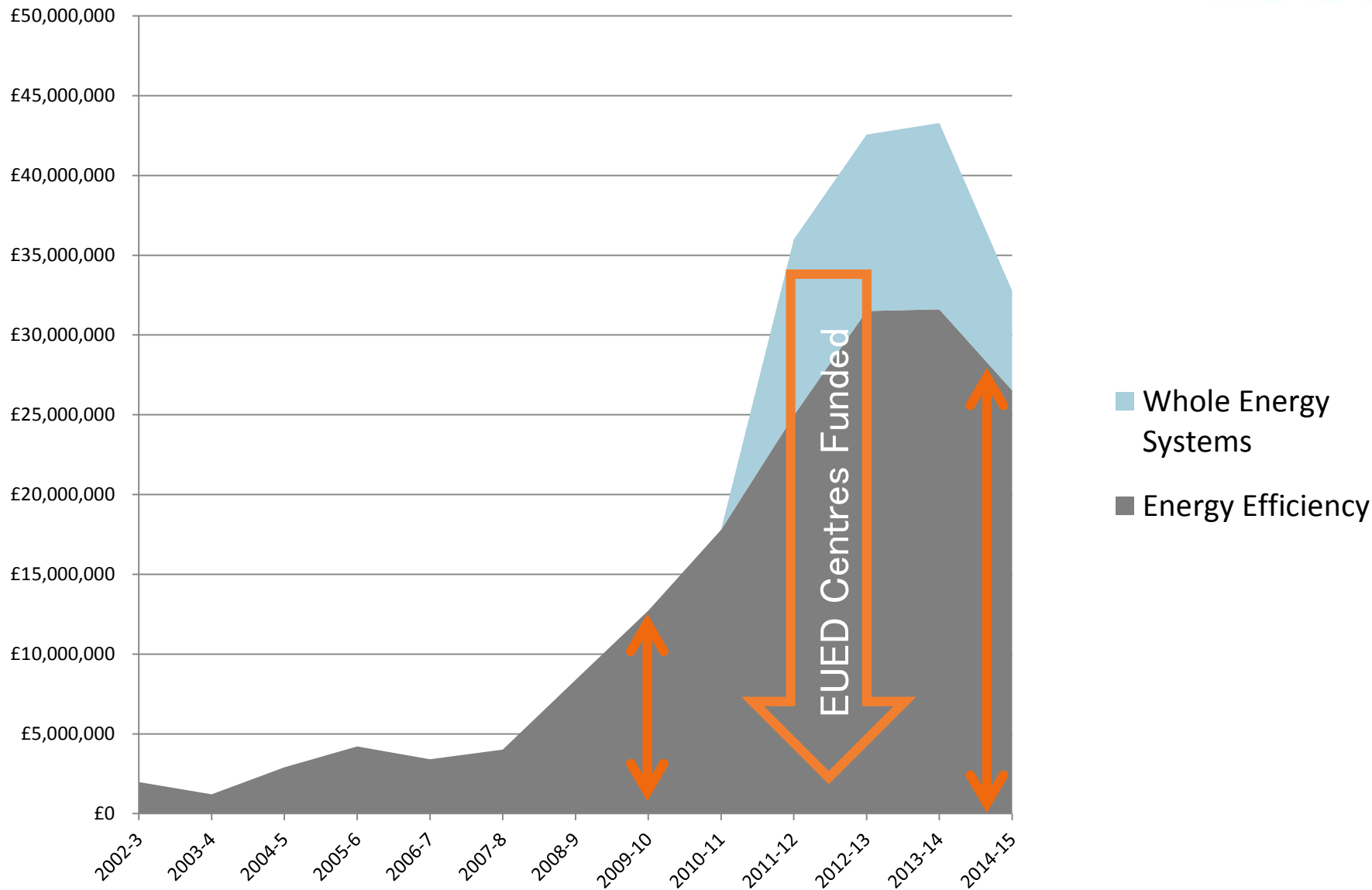
Research Area	Action
Bioenergy	Maintain
Carbon Capture and Storage (CCS)	Maintain
Energy Efficiency (End Use Energy Demand)	Grow
Hydrogen and Alternative Vectors	Reduce
Marine	Maintain
Nuclear	Maintain
Solar	Maintain
Storage	Grow
Whole Systems	Grow
Fuel cells	Maintain
Wind	Maintain
Conventional and Combustion	Reduce
Power Networks	Maintain

Balancing our Portfolio (2010-15)



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Annual Expenditure on energy



Pre-EUED Centres (pre-2012)

Buildings

Industry

Transport

Pre-EUED Centres (pre-2012)

- Predominantly socio-technical in nature
- Little research on policy

Buildings

Industry

Transport

Pre-EUED Centres (pre-2012)

Buildings

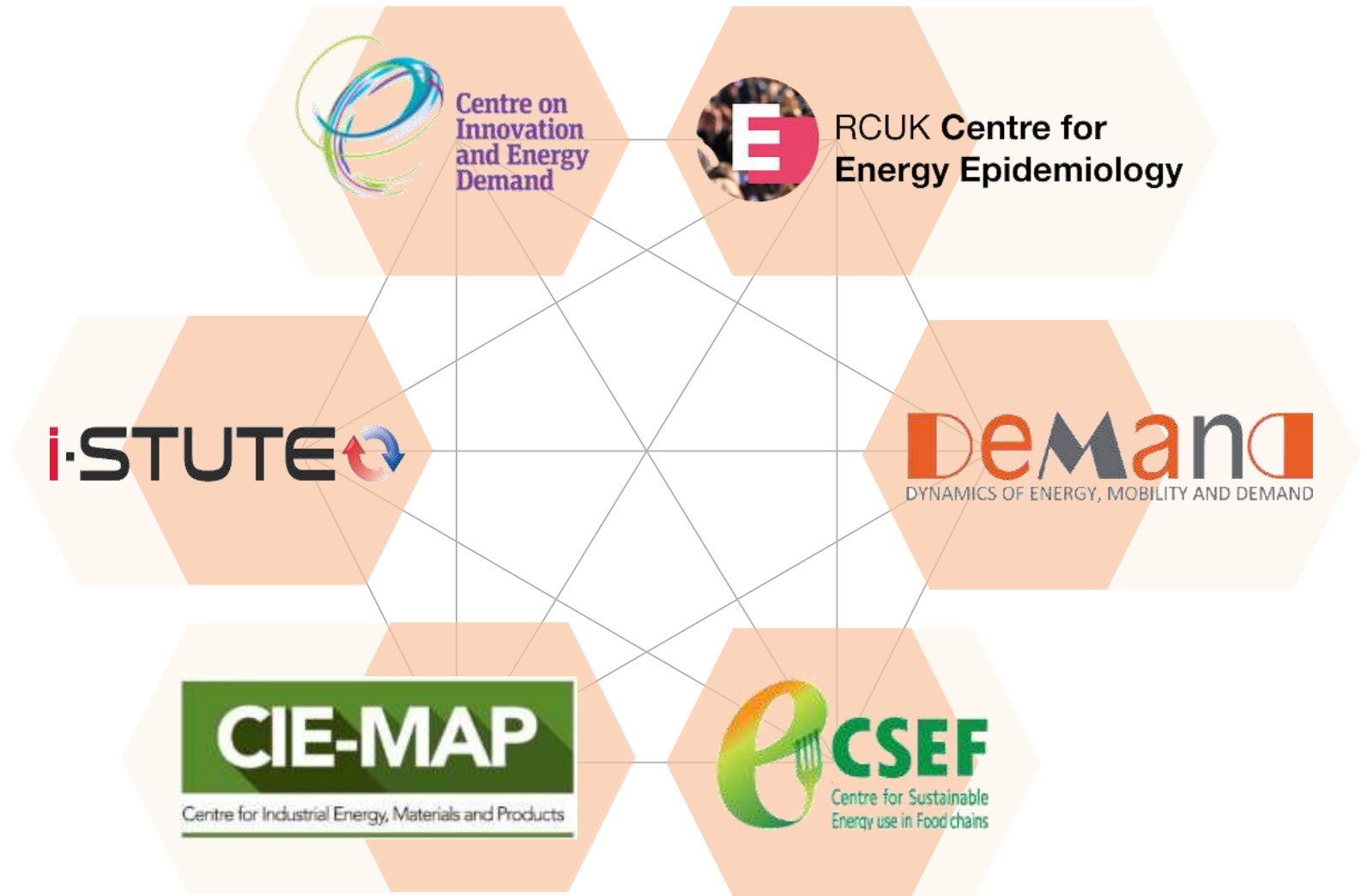
Industry

Transport

- Predominantly technical
- Little research on societal aspects

EUED Centres

(£30m from Research Councils – started 2013)



EUED Centres

Other Centres:

- UKERC
- CSRF
- Shipping in Changing Climates

Centre on Innovation and Energy Demand



RCUK Centre for Energy Epidemiology

i-STUTE

Other ESRC Centres:

- Centre for Sustainable Prosperity
- Nexus Network (Food, Energy & Water)

Networks:

- TEDDINET
- Build(TEDDI)
- ARCC

IE-MAP

Centre for Industrial Energy, Materials and Products



2014/15 EUED Spend: £27M

2014/15 EUED Commitment: £134M

2014/15 EPSRC EUED Commitment: £129M

Energy Efficiency – Staff

(2014/15 – EPSRC Numbers)

86 PI **340 Co-I**

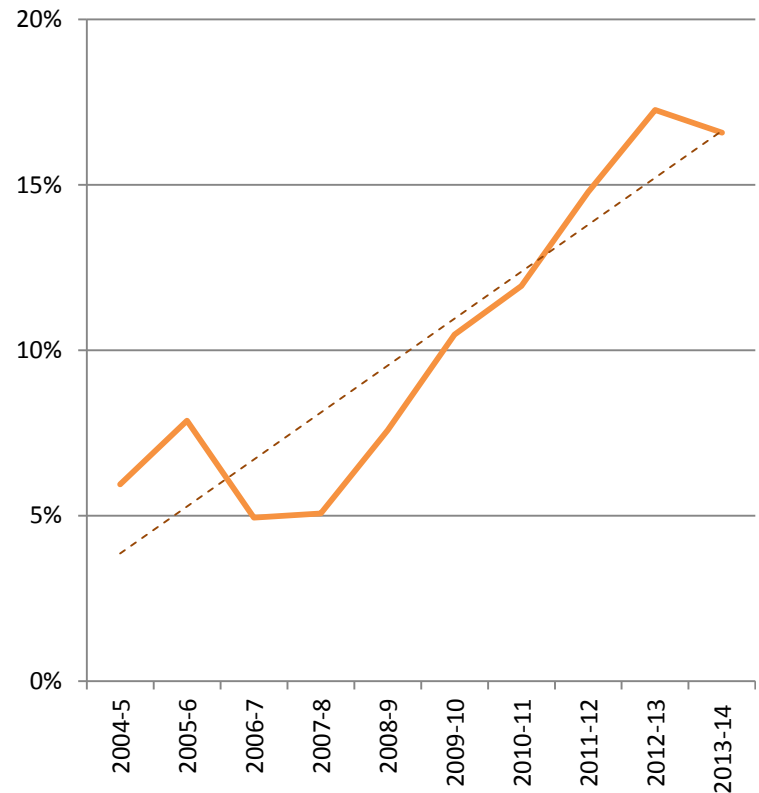
344 PDRA

4 Fellowships

158 PHD STUDENTS

5 Calls for Research
Relevant to EUED
(Since 2013)

% of Energy Theme



EUED & CEE our future strategy



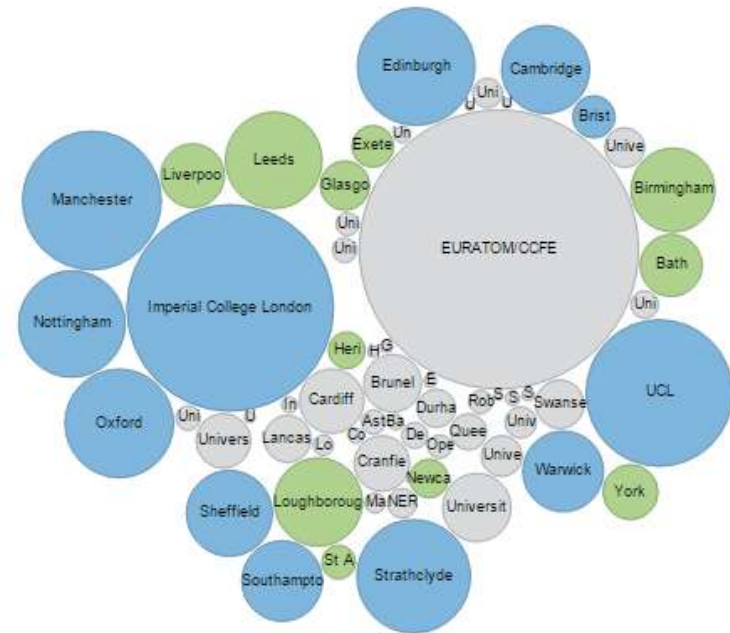
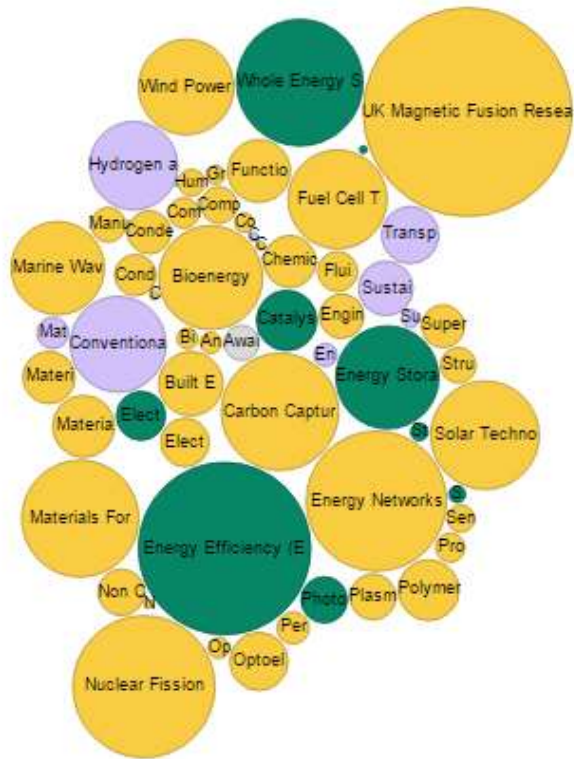
- Represents a key and valuable investment
- TRL Neutral
- Involved in every EUED call we publish
- Energy sector is (essentially) data driven
- Models are vital to informing future policy
- Data access is key

...and the Future?

Further Information

www.rcuk.ac.uk/energy

Categorise by : **Research Areas** **Research Organisations** **Sectors**



Key

- Grow
- Maintain
- Reduce
- Under Review

Circles are sized according to EPSRC investment. All values represent the current grant portfolio.