

Research Councils UK Energy Programme

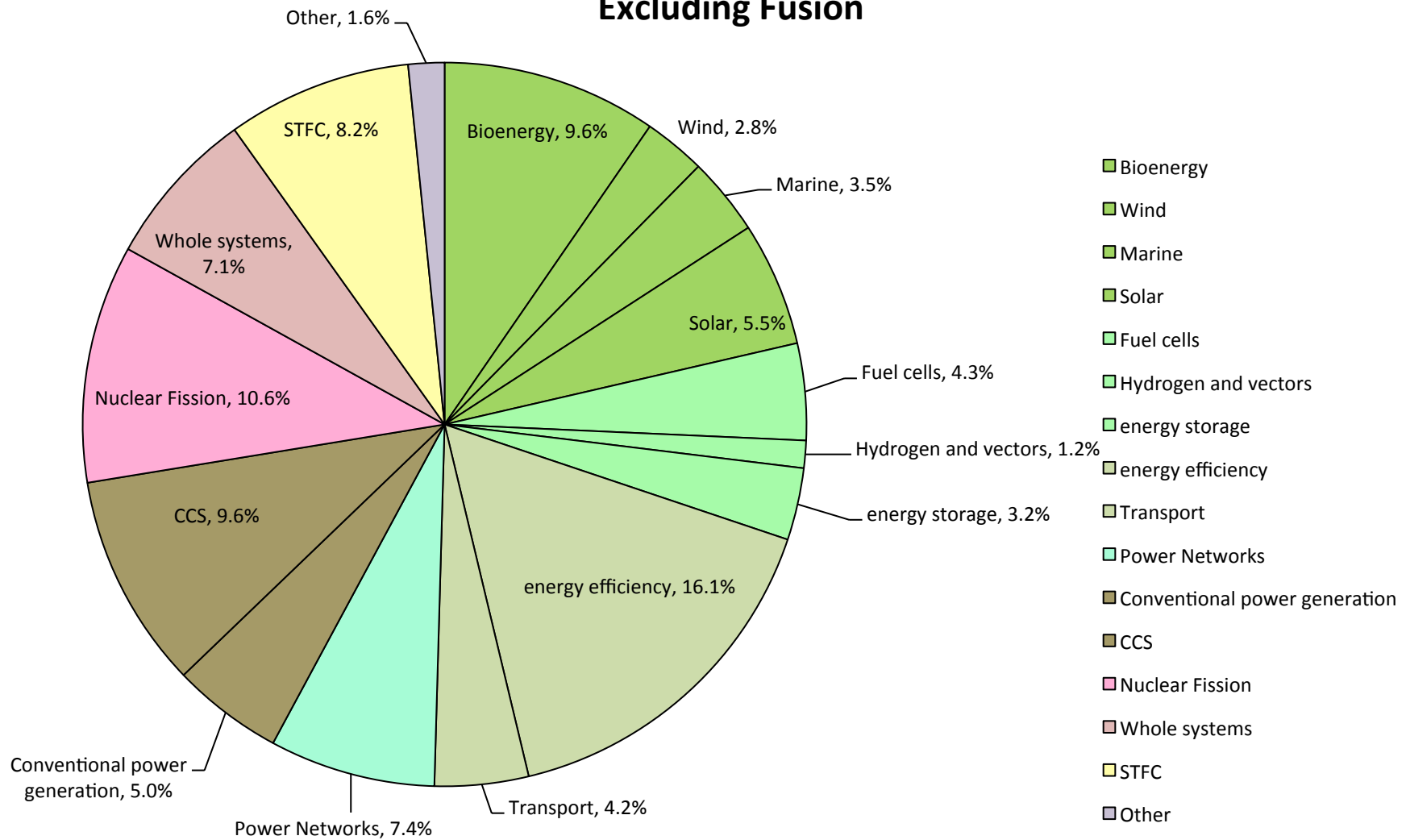
Nuclear Fission Portfolio

UKNADM 2014

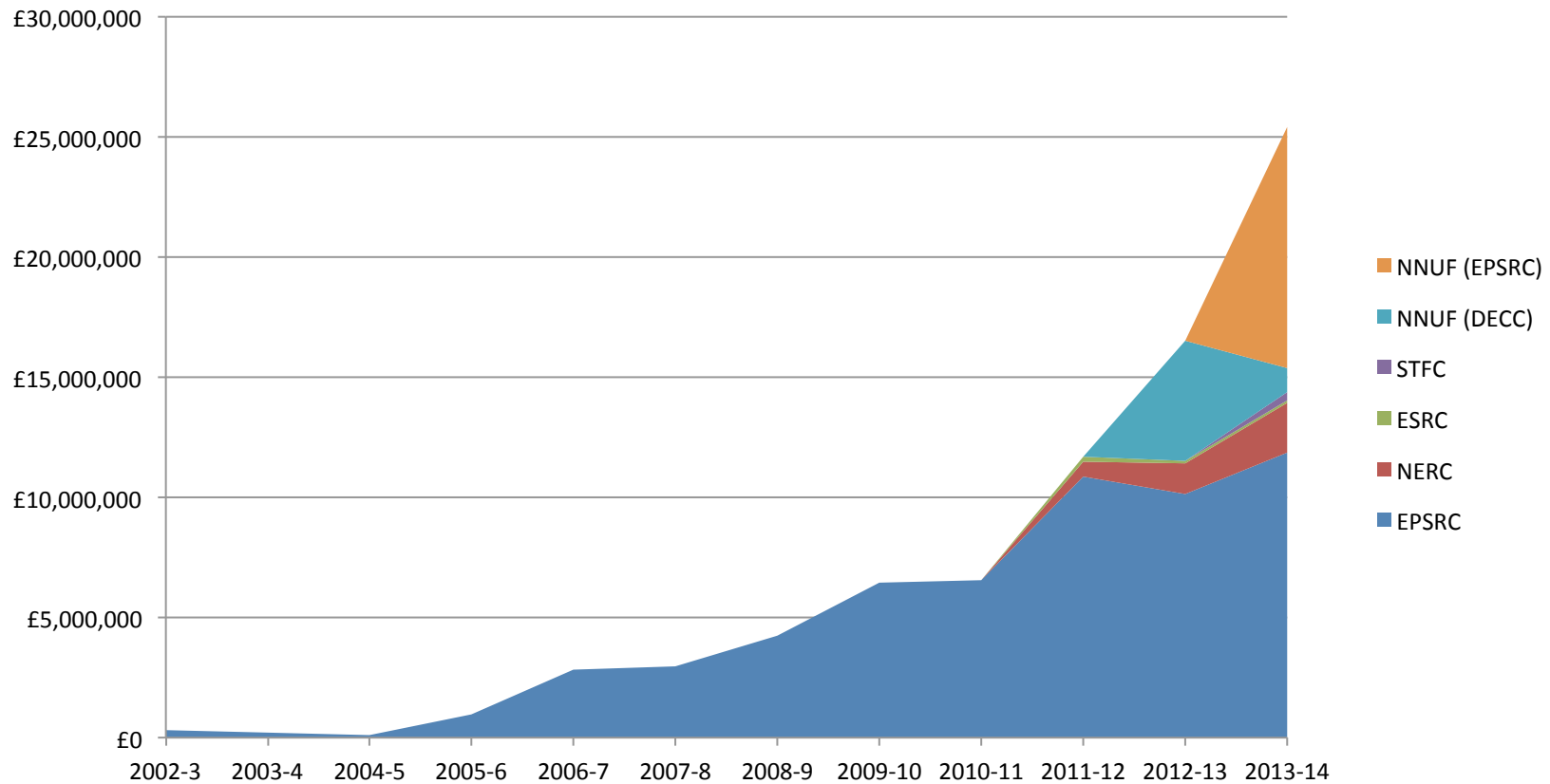
For a Low Carbon Energy Future

All council energy research as a % of expenditure 2013/2014.

Excluding Fusion



Annual expenditure on Nuclear Fission (inc. NNUF)



Nuclear research areas



Theme	no. of projects	Value (£M)	Change (£M)
Training	2	9.3	- 1.3
Nuclear systems	10	10.4	-
NNUF (nucl champ group)	1	16.6	+ 1.0
Safety	2	0.5	- 1.3
Fuel	5	3.1	+ 2.0
Decomm, Waste, Geodisp & Env.	7	10.9	+ 6.3
Materials	13	20.3	+ 0.7
Supply Chain	8	2.0	-
Environment	3	7.5	+ 7.5
Total	47	80.5	-

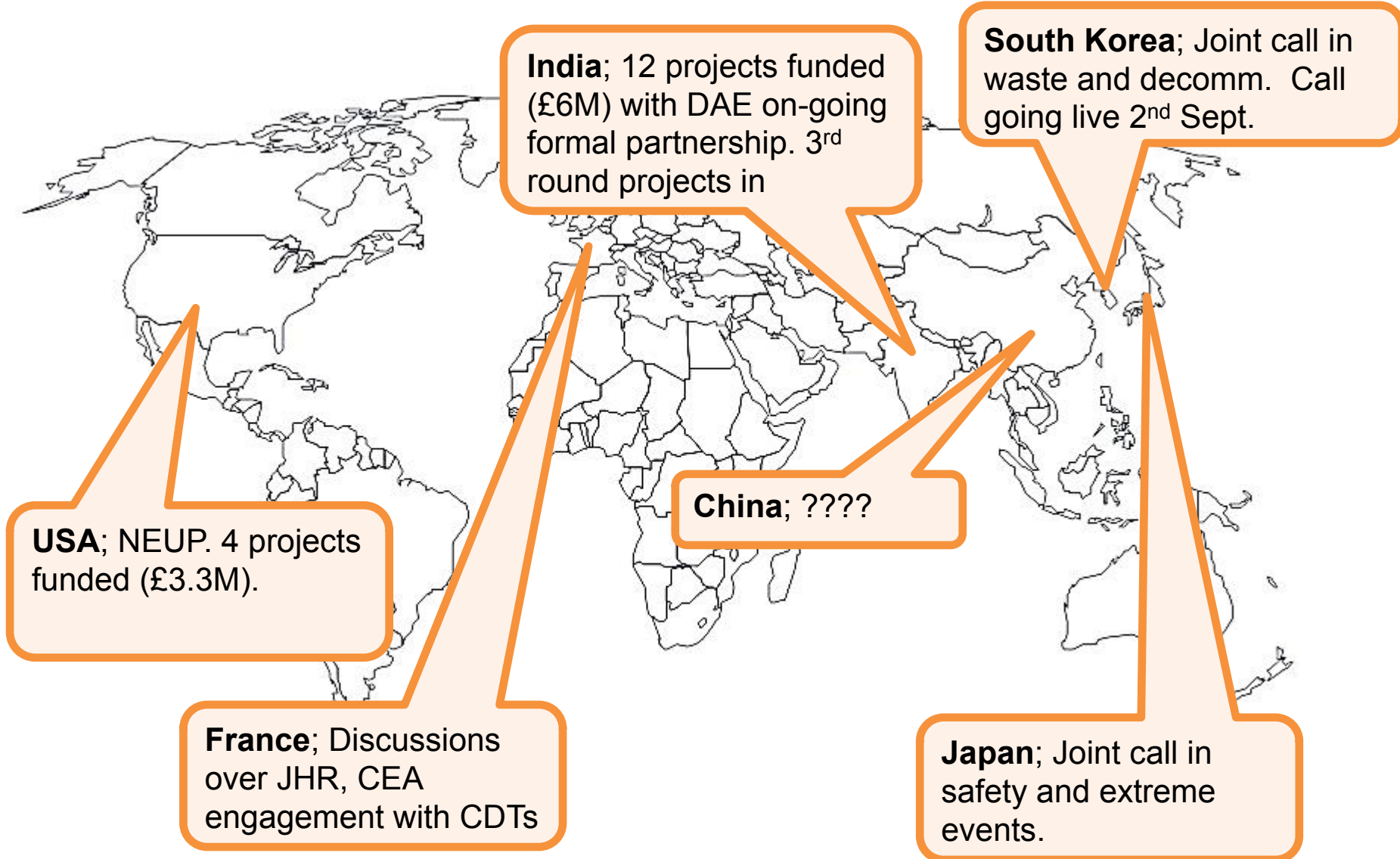
Nuclear Fission



Recent developments

- £16M NNUF funding. (£6M from DECC £10M from BIS/EPSRC infrastructure fund).
- DISTINCTIVE: Decommissioning, Immobilisation and storage solutions for nuclear waste inventories (£5M).
- NEUP: Zircalloy cladding for improved accident tolerance for LWR fuel (£2M).
- Radioactivity And The Environment: NERC, NDA EA; three projects (£7.5M).
- PACIFIC, nuclear fuel cycle programme (£3M).

International Collaboration in Nuclear Fission



Nuclear Fission



Current priorities plans and commitment

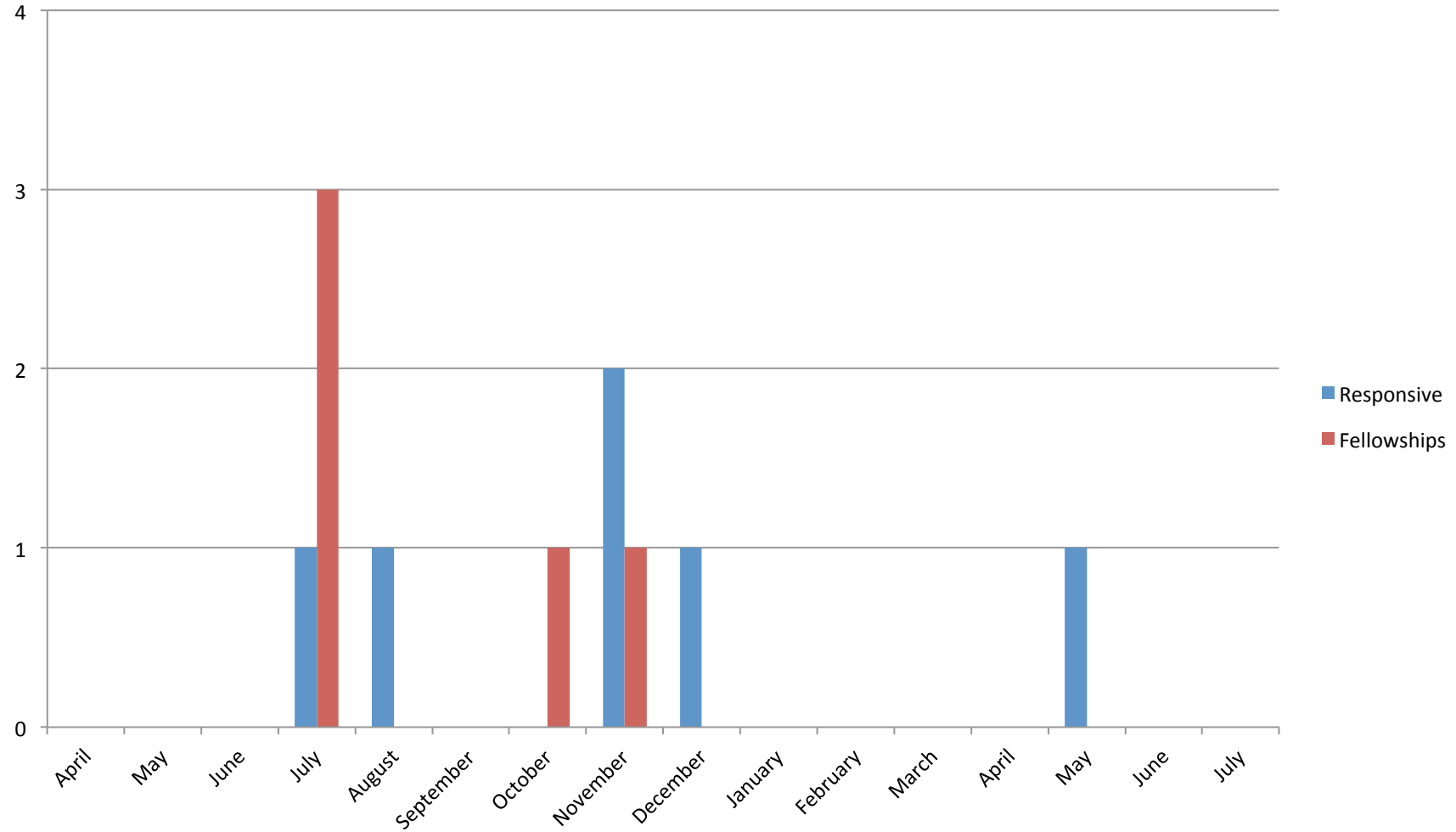
- CEA engagement with CDTs.
- Collaboration with Korea in Decommissioning and training.
- Collaboration with Japan in Safety and accidents and training.
- Engagement with USA through NEUP programme 2015/16
- Phase three of the UK India collaboration; public engagement, safety and future reactor technology.
- Advanced materials for current and future reactors.

Priorities for 2015/16



- Phase 2 of the Japan collaboration
- Review of progress on Phase 1 and 2 of the India collaboration
- NEUP 2015
- Current Korea call announced, Phase 2 preparations
- China??
- Possible engagement with TSB supply chain calls
- UK centered capacity maintaining activity.

Responsive submissions??



Further Information



www.rcuk.ac.uk/energy

The screenshot shows the RCUK Energy Programme website. On the left is a vertical navigation menu with the following items: Home, Research Policy, Cross-Council Research, Digital Economy, RCUK Energy Programme, About the Energy Programme, Why energy research matters, Energy Funding Opportunities, Further information about the Programme, Impact of energy research and capacity building, Updates from the Programme, What the Energy Programme funds, Global Food Security, International, Global uncertainties, Living with environmental change (LWEC), Lifelong health and wellbeing, Other Joint Programmes, Previously Funded Programmes, Publications, and About. The main content area features a breadcrumb trail: Home > Research Policy > Cross-Council Research > RCUK Energy Programme. The title is 'RCUK Energy Programme'. The text states: 'The Research Councils UK Energy Programme aims to position the UK to meet its energy and environmental targets and policy goals through world-class research and training. The Energy Programme is investing more than £530 million in research and skills to pioneer a low carbon future. This builds on an investment of £360 million over the past 5 years.' Below this is the Energy logo and a video introduction link. A list of links is provided: About the Energy Programme, Why energy research matters, Energy Funding Opportunities, Further information about the Programme, Impact of energy research and capacity building, Updates from the Programme, and What the Energy Programme funds. A final note says: 'For further information on the programme please see our contacts page.'

Thank you