

# Research Councils UK Energy Programme

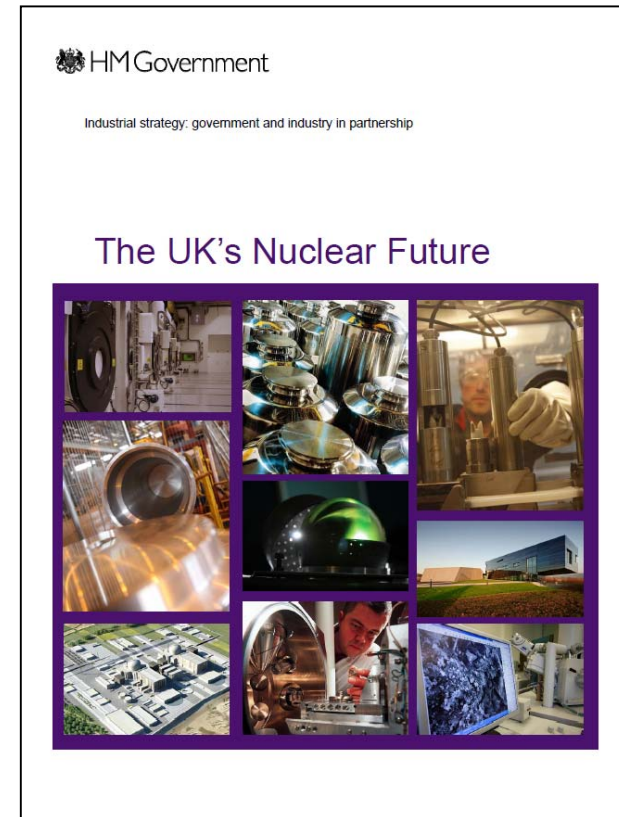
For a Low Carbon Energy Future

UK Nuclear Academics Meeting – Sept 2013

RC UPDATE

# 2012/13 – A busy year

- Publication of the UK Industrial Strategy
- Government Infrastructure spend
- NNUF
- NIRO/NIRAB
- New build progress (or lack of)



# Cross council working



- Working with STFC to clarify nuclear physics remit
- Working with NERC on RATE programme
  - NERC supported £5M programme to increase capacity.
- Working with TSB on supply chain
  - Eight projects supported (£2M EPSRC out of £18M)

# National collaboration

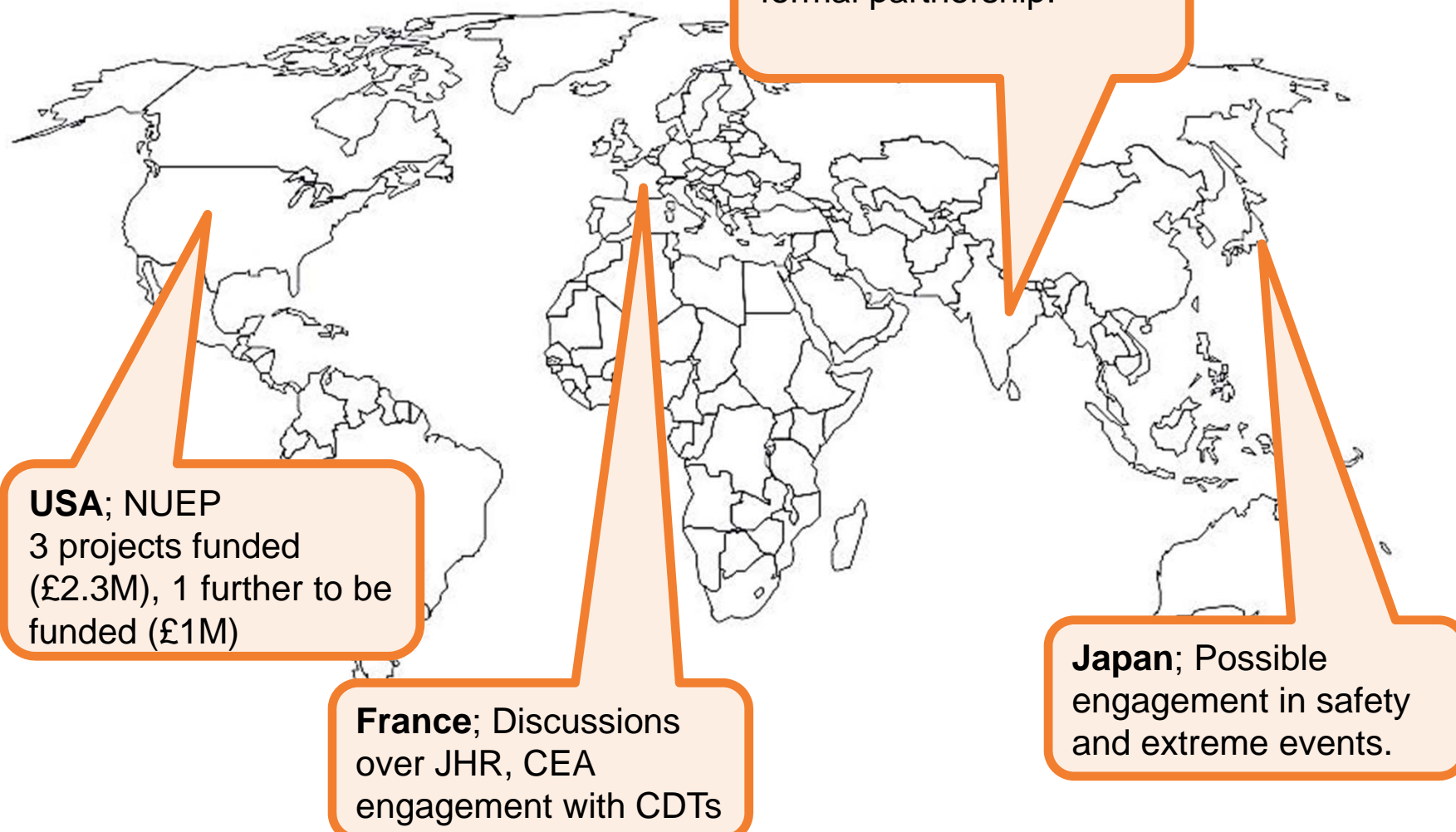


Technology Strategy Board  
Driving Innovation



- ☞ LCICG NSG
- ☞ NIC
- ☞ NRCG
- ☞ NIRAB (under negotiation)

# International Collaboration



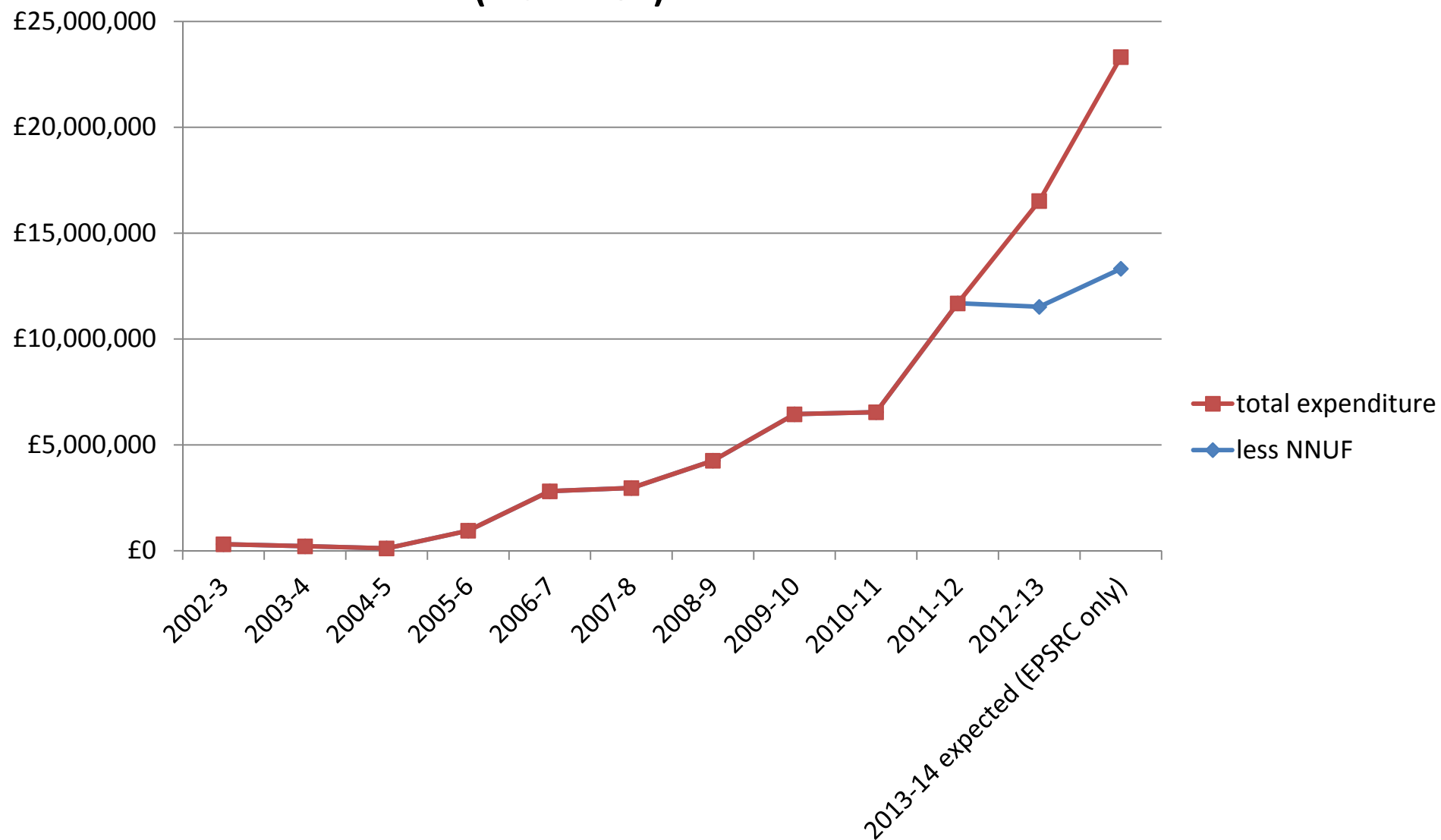
**USA; NUEP**  
3 projects funded (£2.3M), 1 further to be funded (£1M)

**India; 12 projects funded (£6M) with DAE on-going formal partnership.**

**France; Discussions over JHR, CEA engagement with CDTs**

**Japan; Possible engagement in safety and extreme events.**

## Annual expenditure on Nuclear Fission (inc. NNUF)



# Nuclear research areas



Theme	no. of projects	Value £M
Training	2	10.6
Nuclear systems	10	10.4
NNUF (nuc champ group)	1	15.5
Safety	2	1.8
Fuel	5	5.1
Waste, Geodisp &Env.	7	4.6
Materials	13	19.8
<b>Total</b>	<b>47</b>	<b>70.1</b>

# Nuclear Industry Strategy / EPSRC strategy alignment



## ☛ Main areas

- Decommissioning 7% (14%)
- Nuclear fuel cycle 7.3%
- Existing plant life extension (not inc. matls) 15%
- **Novel concepts** **2% \***
- Skills/training 15%

## ☛ Other areas

- Supply chain 3%
- Facilities 22%
- Materials 28%



# Questions?

# Further Information



[www.rcuk.ac.uk/energy](http://www.rcuk.ac.uk/energy)

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## RCUK Energy Programme

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.

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

A video providing an introduction to the RCUK Energy Programme, and how it is helping the transition to a low-carbon economy is available [here](#).

Further information on the programme can be found via the links below:

- [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](#)

For further information on the programme please see our [contacts](#) page.

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Thank you