

# Innovate UK's ODA funded opportunities

*Janet Geddes, Newton Fund Programme Manager  
March 2017*

**Innovate UK**

# UK Research & Innovation

MRC

EPSRC

BBSRC

ESRC

AHRC

NERC

STFC

Research England

Innovate UK

## UK Research and Innovation: 'nine brains in one body'

John Kingman, chair of the newly created UKRI, explains the governing philosophy of the research and innovation funding organisation

June 2, 2016



By [John Kingman](#)



Times Higher Education, June 2016

# Innovate UK – the UK's innovation agency

*Accelerating economic growth by stimulating and supporting business-led innovation*

We work with people, companies and partner organisations to find and drive the **science and technology innovations** that will grow the UK economy - delivering productivity, new jobs and exports.

Our aim at Innovate UK is to **keep the UK globally competitive** in the race for future prosperity.



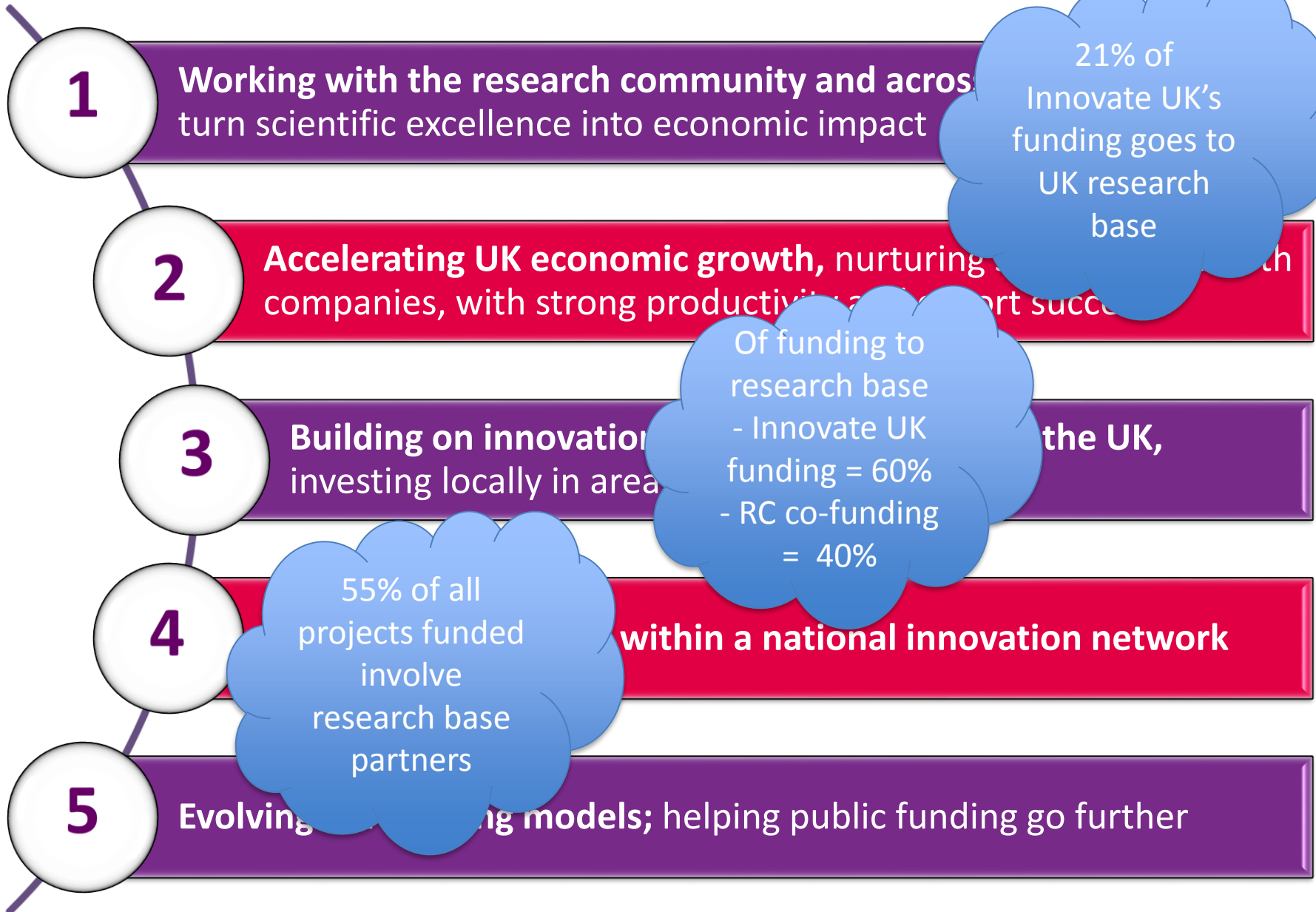
# How we stimulate innovation

- We offer **funding for innovation** through competitions, to bridge the equity gap when it is too early or risky for other investors
- We provide **guidance** and **assistance** to businesses and help them **navigate** the full range of support opportunities that exist
- We help business understand future markets and **innovation opportunities**
- We enable companies, research organisations, government agencies, and others to **collaborate** and share ideas to make innovation happen
- We **bring together partners** to maximise innovation investment and work on common goals



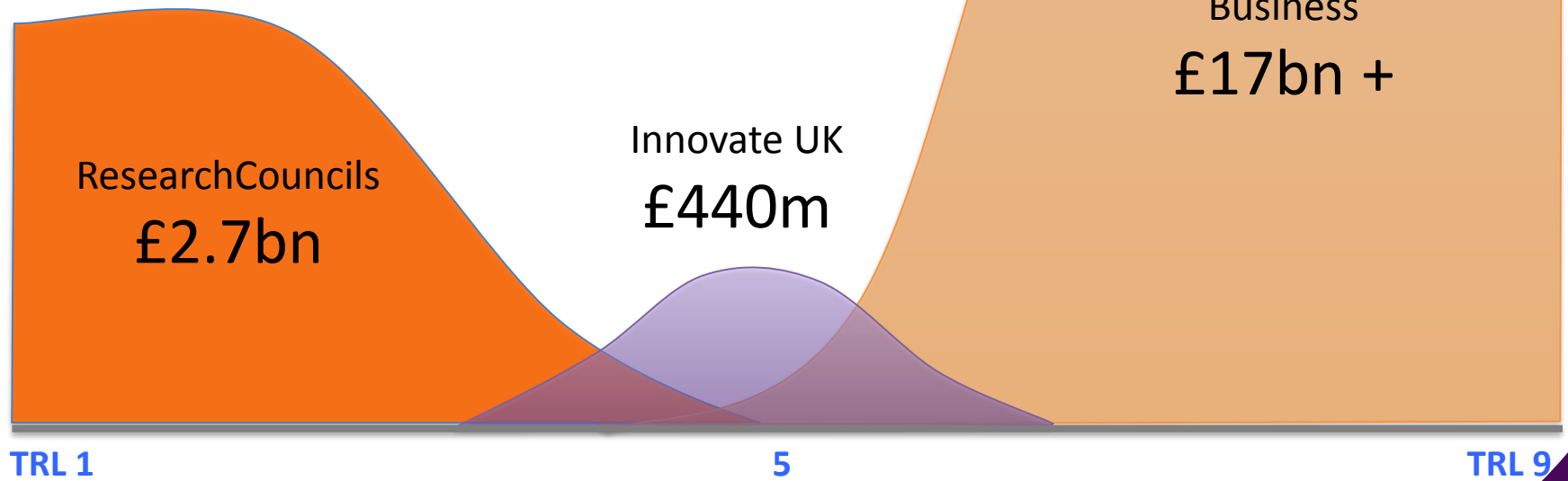
# Our 5-point plan

# Innovate UK



# UK R&D spending

2015-16



TRL 1

5

TRL 9

**CONCEPT**

**COMMERCIALISATION**

# Innovate UK's impact



return to the economy

7,600



organisations  
supported



of GVA for every  
£1 invested



**> 7 jobs** created for every business invested in

# Innovate UK's international ambitions are growing fast

**Brexit**

**ODA**

**Appetite and demand for collaboration with UK companies**

**Most innovative companies are those who are most likely to be exporters**

**“We’re a small island off the coast of Europe”**

# Our ODA portfolio

BEIS

- **Newton Fund**

DFID

- Agri-Tech Catalyst
- Energy Catalyst
- Small Business Research Initiative (SBRI)

FCO/BEIS

- Prosperity Fund?

Other  
Government  
Departments

- DH – SBRI – Vaccines for Global Eps
- DH – AMR (China)?

# Our role in Newton Fund



## People

Improving capacity in research and science, individually and institutionally

## Research

Improving research collaborations on critical socio-economic development challenges

## Translation

Creating collaborative solutions to socio-economic development challenges and strengthening innovation systems

# Innovate UK's Newton Fund objectives

- 1. Stimulate business-led innovation collaborations** – between UK and partner country business and research organisations proposing novel commercially-focussed solutions to identified socio-economic challenges

**Our delivery tool: Collaborative R&D funding competitions, workshops and missions/visits**

- 2. Strengthen innovation capacity** – to support our partner countries to deliver business-led innovation better = more attractive innovation destination and markets for UK business

**Our delivery tool: Bespoke programmes of professional development and other capacity building**

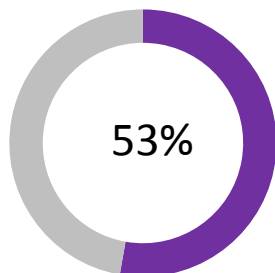


# Headlines on Newton

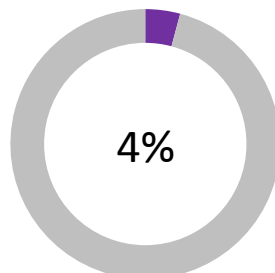
- **11** Newton Fund competitions run with **7** countries, from a starting position of nearly zero relationships. International partnerships aren't easy!
- Of the **271** full-stage applications received, there were **164** counts of UK HEIs/Unis being included.
- Of the **257** applications received under 10 competitions, we have jointly agreed to fund **57** projects = **£23.6m** worth of grant commitments made to UK businesses, universities and RTOs by Innovate UK. **4** of those have since been terminated.
- **39** of those **57** projects include HEIs.
- In **9/39**, the HEI/Uni are leading the project.

# Who are we supporting through our Newton Fund awards?

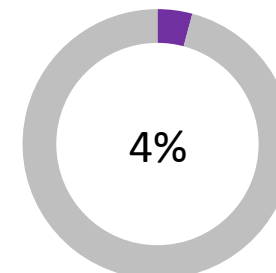
## Business



SME's (Micro/Small/Medium)

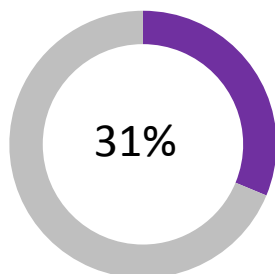


Large (UK)

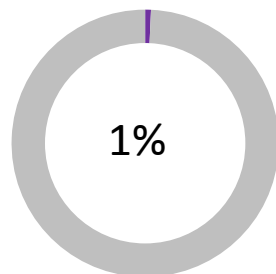


Large (Multi-national)

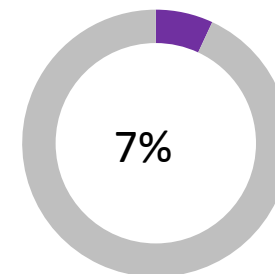
## Research



University/HEI



Catapult



Other (Charity/NPD RTO/ PD RTO/  
PSO/ PSRE)

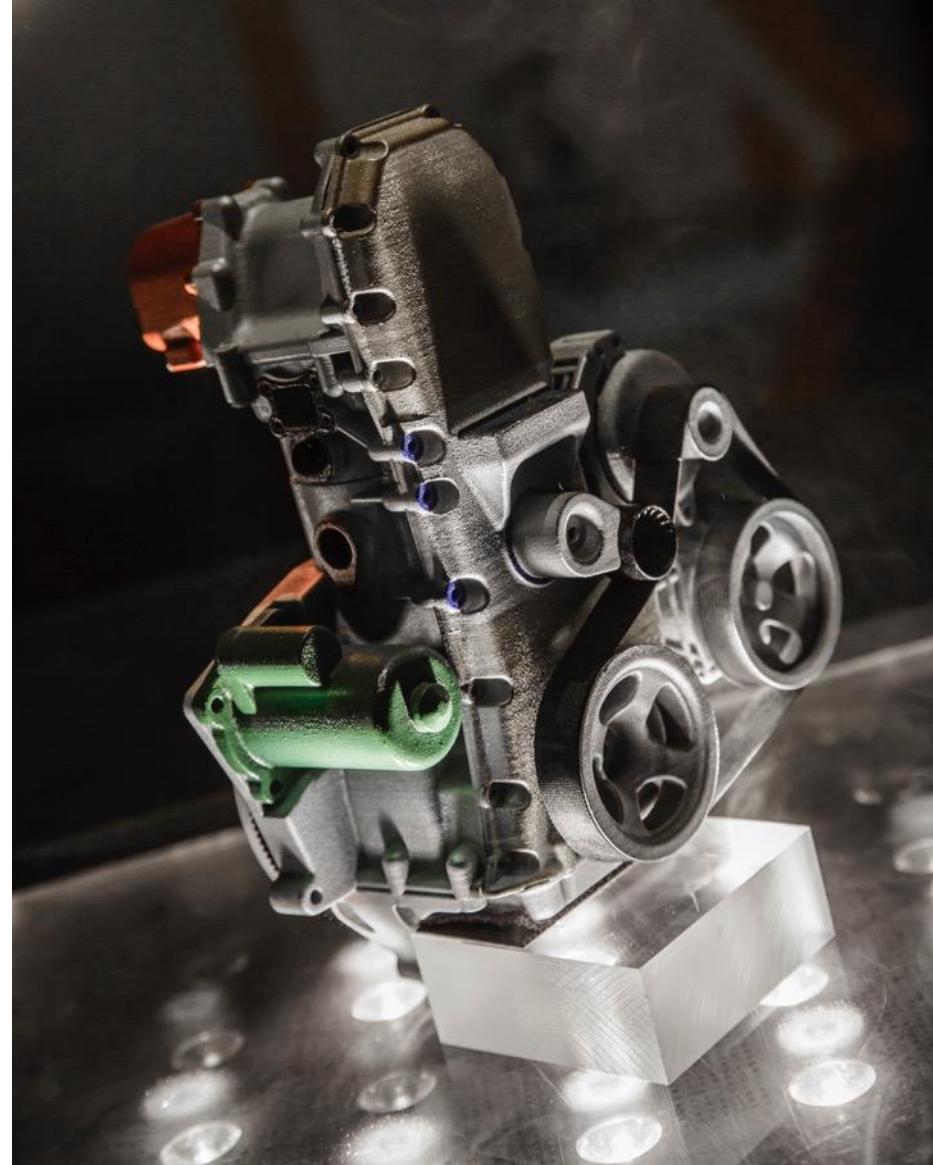
# Battling bugs to beat global challenges

- Dengue infects 390m people yearly costing £3.5bn. New threat: Zika
- Oxitec genetically modifies insects which spread disease
- Based on Professor Luke Alphey's University of Oxford research funded by BBSRC, Oxitec spun out in 2002
- Supported through 5 Innovate UK and BBSRC funded projects
- In trials, modified mosquito release cut populations by 90%.
- New mosquito 'factory' in Brazil will protect 300,000 from Zika
- 2015: sold to Intrexon for £160m.



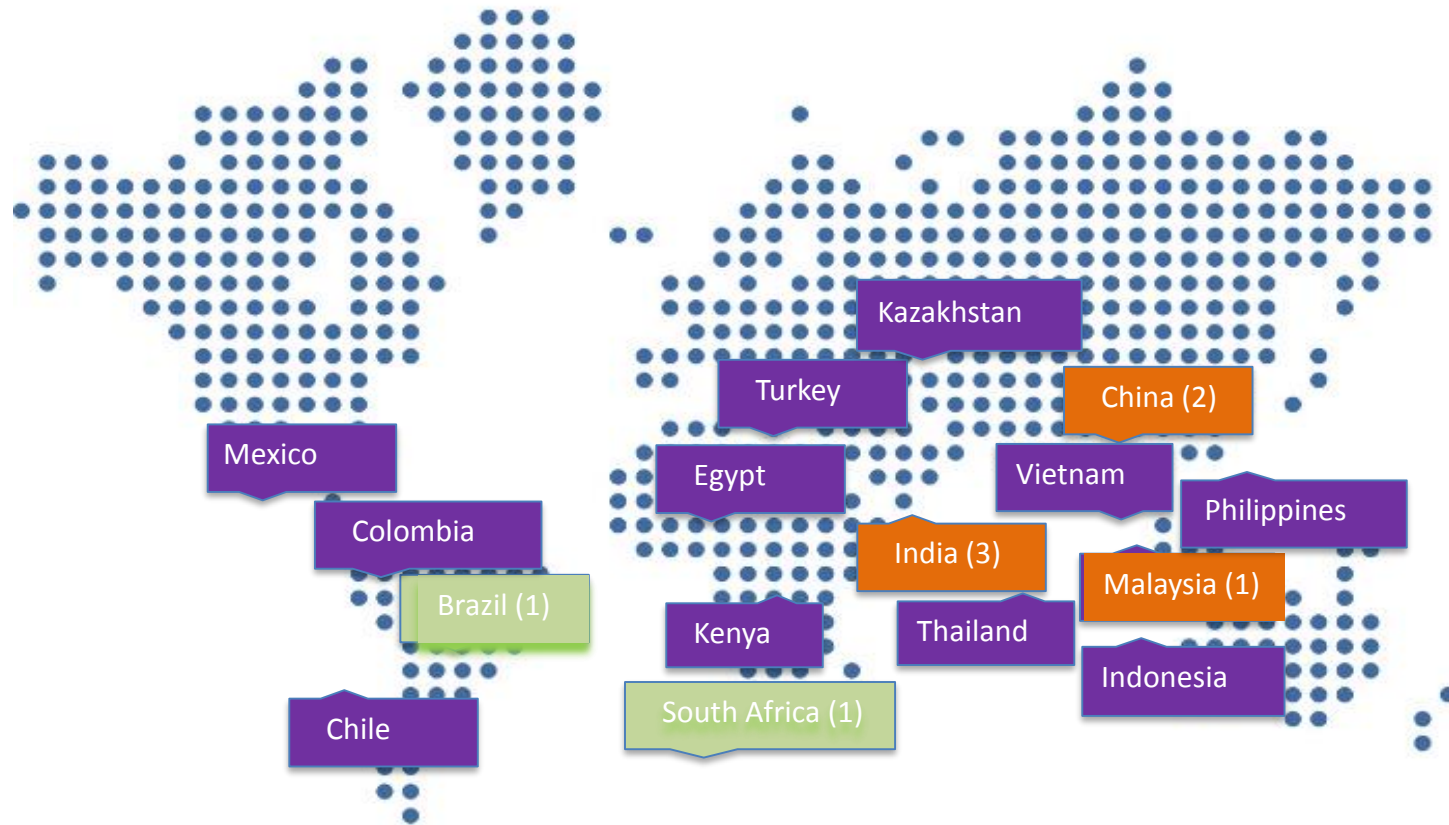
# Dearman: investors buy into technology

- Dearman has developed a piston engine using liquid air or nitrogen to give zero-emission cold and power
- Technology development supported by Innovate UK funding
- Project involves HORIBA MIRA, Air Products, and Birmingham, Leeds and Loughborough Universities.
- Founded in 2011, Dearman has attracted over £19m from investors and employs 70 people
- First commercial deployment with Sainsbury's in 2016



**Dearman.**

# Current & Forthcoming Newton Fund CR&D Competitions



# 1. OPEN: Brazil – urban innovation competition in a nutshell

**Project partners:** MDIC and EMBRAPPII, Brazil

**Scope:**

- *Integration and governance of systems within a city*
- *Urban infrastructure and affordable, smart mobility*
- *Sustainable urban environments*

**UK total budget:** £2.4 mil

**UK expected project costs:** £200K – 500K

**Minimum consortium (UK & Brazil):** 1 UK business (UKPL) & 1 Brazilian business (BPL). UK ROs eligible as partners not to lead.

**Project duration:** 12-24 months

**Application deadline:** 3 May 2017 (Registration deadline: 26 April 2017)



## 2. OPEN: South Africa – precision medicine *competition in a nutshell*

**Project partner:** South African MRC

**Scope:** *precision medicine for non-communicable disease and child health*

**UK total budget:** £1.5 mil

**UK project grant size:** up to £350K

**Minimum consortium:** 1 UK business and 1 SA partner (either RO or business). UK ROs eligible as partners not to lead.

**Project duration:** up to 36 months

**Application deadline:**

**17 May 2017**

**Registration deadline: 10 May 2017**



### **3. FORTHCOMING: China – agri-tech *competition in a nutshell***

**Project partners:** MoST and CSTEC, Govt of PR China and BBSRC.

**Scope:** *agricultural technologies (2-3 Chinese agri challenge-led areas where agri-tech plays a role in delivering solutions)*

**UK total budget:** up to £8 m on UK side (joint with BBSRC)

**UK project grant size:** still being discussed

**Minimum consortium:** still being discussed: 1 UK business & 1 UK RO (any could lead), 1 Chinese business & 1 Chinese RO as a minimum. Likely wider consortia-based projects supported.

**Project duration:** 24-36 months

**Competition expected to open:** Q1 FY 17/18

# 4. FORTHCOMING: India – reducing industrial waste and value recovery *competition in a nutshell*

**Project partner:** Dept of Biotechnology, Govt of India and BBSRC, EPSRC.

**Scope:** *biological solutions for key Indian waste streams, focussing primarily on biotech solutions in sugar cane, leather, paper and pulp, MSW, sewage and pharma*

**UK total budget:** up to £8 m (joint with BBSRC and EPSRC)

**UK project grant size:** still being discussed

**Minimum consortium:** still being discussed - likely 1 UK business & 1 UK RO (any could lead) and 1 India businesses and 1 Indian RO.

**Project duration:** still being discussed

**Competition expected to open:** Q1 FY 17/18



# 5. FORTHCOMING: Malaysia – urban innovation

## *competition in a nutshell*

**Project partner:** PlaTCOM Ventures, AIM, Malaysia

**Scope:** *sustainable urban innovation (transport, waste, water)*

**UK total budget:** approx. £3 mil

**UK project grant size:** still being discussed

**Minimum consortium (UK & MY):** 1 UK business (UKPL) & 1 Malaysian business (MPL). UK ROs likely to be eligible as partners.

**Project duration:** still being discussed, likely to be 24 months

**Competition expected to open:** Q1 FY 17/18 (most likely May)



## 6. OTHER FORTHCOMING COMPETITIONS

Country	Geographical scope	Details
<b>China</b>	1. Guangdong Province	Most likely sustainable urbanisation To open Q3/Q4 2017/18
	2. National	Anti-Microbial Resistance (with MoST and DoH, not Newton Fund)
<b>India</b>	3. National	Multi-scope, to open Nov 17
	4. City or State-level	Scope and timeline TBD, most likely smart cities/sustainable urbanisation

# ODA and how we address it

- **Competition guidance**
  - Scopes
  - ODA compliance statement
- **Application form**
  - Question 4 – *Why is the project eligible for Official Development Assistance (ODA) funding? What beneficial outputs is the project expected to deliver to those inside and outside of the consortium, and over what timescale?*
  - Mandatory Appendix D – *Applicants must demonstrate how the project, as a whole, complies with ODA criteria.*
- **Assessment**
  - ODA 'sweep' – non-assessment of those deemed ineligible
  - Assessor guidance – ODA as part of Y/N on scope as well as Q4 and Appendix D.

# Thank You

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