

Research to Address Sustainable Development Goals



Dr Mark Claydon-Smith
Associate Director, International Development
UK Research and Innovation

Global Context: UN Sustainable Development Goals



- ❑ Strengthening global peace, security and governance
- ❑ Strengthening resilience and response to crises
- ❑ Promoting global prosperity
- ❑ Tackling extreme poverty and helping the world's most vulnerable

UK aid:

tackling global challenges in the
national interest

Newton Fund

Key principles of the Newton Fund

The foundation for Newton Fund are **Equitable Partnerships**:

- ☐ **Nation to nation**
- ☐ **Funder to funder**
- ☐ **Researcher to researcher**

- **Matching our strengths with the strengths of our partners**
- **Addressing the development needs of our partner country**



Newton Fund Partner Countries



Global Challenges Research Fund

Key numbers

- ❑ £1.5Bn over five years

- ❑ 17 delivery partners

Over 700 current projects

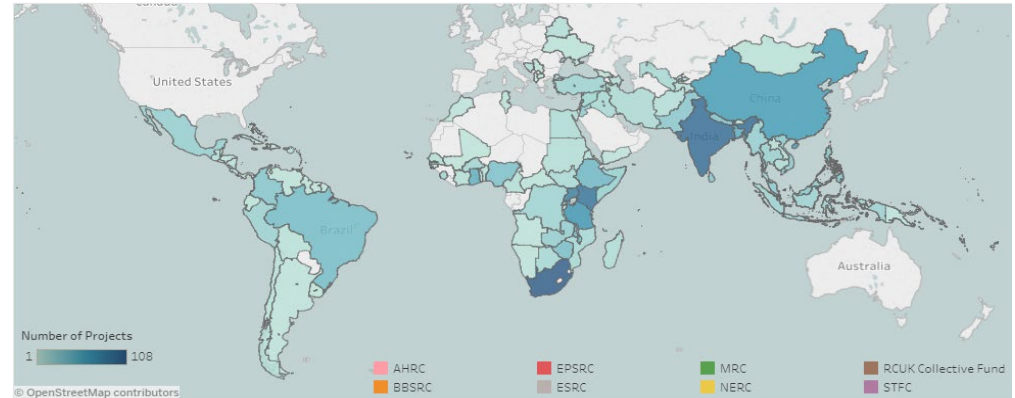
- ❑ Address diversity of challenge

- ❑ 80 DAC project partner countries

- ❑ Disciplinary and interdisciplinary approaches

- ❑ 37 cross-disciplinary *Growing Capability* awards (£225M)

- ❑ Interdisciplinary Research Hubs to address intractable challenges (~£220M)



UK Research
and Innovation



GCRF Delivery Partners



UK Research
and Innovation



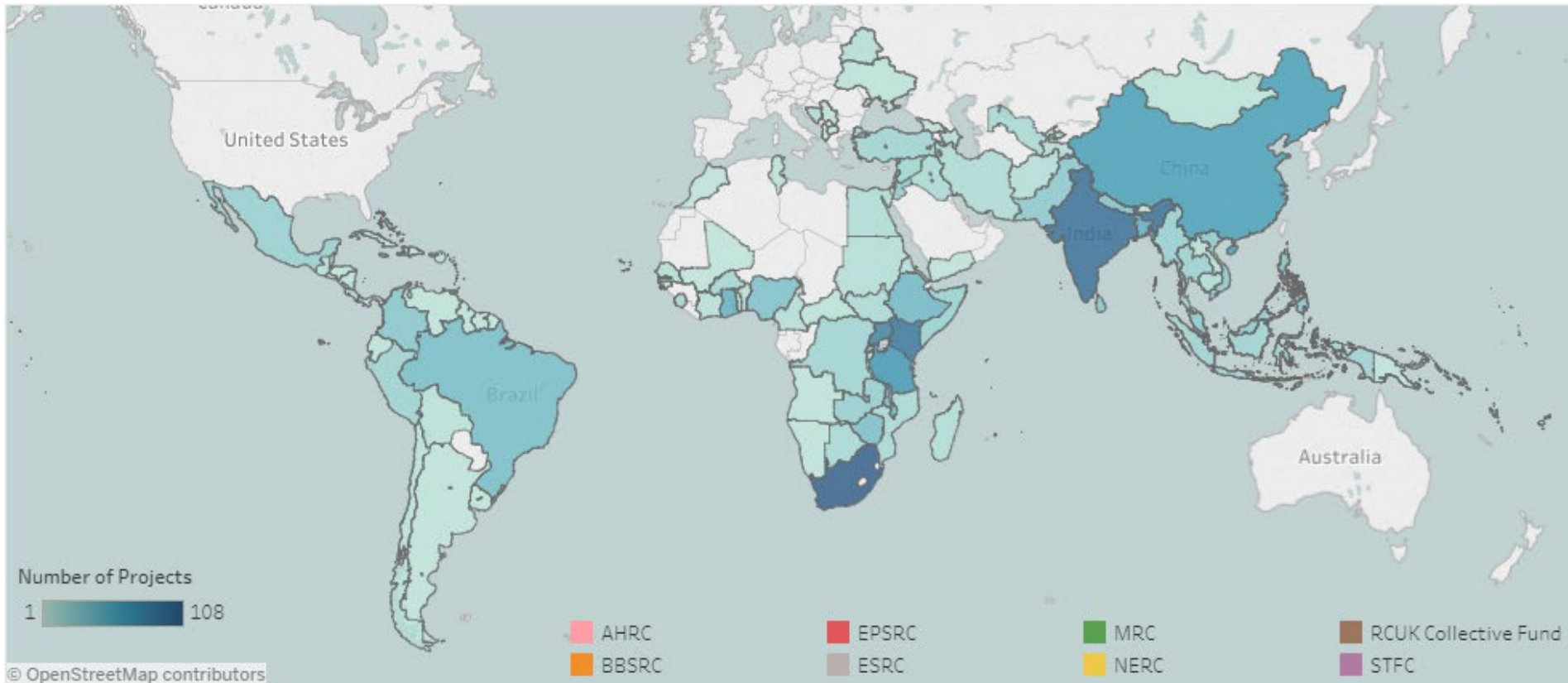


Professor Sir Mark Walport
UKRI Chief Executive



Professor Andrew Thompson
UKRI Executive Chair
Arts and Humanities Research Council
UKRI International Lead

UKRI GCRF Funded Projects: Countries of Focus



2017/18 Global Engagement Meetings



4 flagship events : Colombia; India; South Africa; Kenya

Diversity of Perspectives

- Attendees from **46 countries** in total
- **Interdisciplinary**
- **Various sectors** - Academics, Multinationals Charities, Policy Makers, Private Sector
- **Varied career stages**

Some common sessions

- Equitable Partnerships
- Key policy makers in host countries
- Impact – from varied perspectives
- Capacity Building
- Soapboxes



2018/19 Global Engagement

High-level Roundtable on Cities and sustainable infrastructure in South Asia	Delhi	Spring 2018
Equitable Partnerships for sustainable development (With KFPE Swiss)	Dar es Salaam	Sept 2018
Digital innovation	Virtual engagement	TBA
Protracted conflict	Addis Ababa	Autumn 2018
Impact and innovation (with USAID)	Panama	October 2018
X-ray innovation for health (STFC)	Botswana?	Early 2019



UKRI GCRF College of Peers

309 global experts to advise on global challenges research



FLAIR Fellowships

Future Leaders – African Independent Research Fellowships

- FLAIR fellowships are for talented African postdoctoral scientists who are in the early stages of their research career and have the potential to become leaders in their field.

The fellowships:

- provide the opportunity to build an independent research career in an African institution and to undertake cutting-edge scientific research that will address global challenges facing developing countries.
- offer up to £150,000 per year, alongside a programme of support to develop fellows as independent research leaders including training and mentoring, and opportunities to network and develop international collaborations.
- The programme is a partnership between the African Academy of Sciences and the Royal Society.
- The next round will open for applications in early 2019. To find out more visit royalsociety.org/flair or aasciences.ac.ke/aesa/flair

The Africa Prize for Engineering Innovation

- An annual prize launched in March 2014
- To stimulate, celebrate and reward innovation and entrepreneurship in sub-Saharan Africa
- Six months of training and mentoring for a shortlist of 12-16
- An annual prize fund of £55,000
- \$10 million raised by the alumni



The Shell Centenary Scholarship Fund



GCRF Challenge Leaders

Protracted Conflict, Refugee Crises and Forced Displacement



Dr Laura Hammond,
SOAS



Dr Neelam Raina
Middlesex University

Education



Dr Kelsey Shanks
University of Exeter

Food security



Professor Nicola
Lowe
University of Central
Lancashire



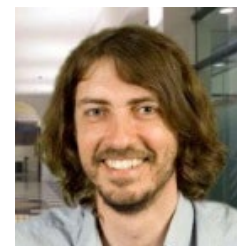
Dr Tahrat Shahid
University of Oxford

Cities and sustainable infrastructure



Dr Jaideep Gupte
Sussex (IDS)

Resilience to environmental shocks and climate change



Prof Mark Pelling
King's College
London



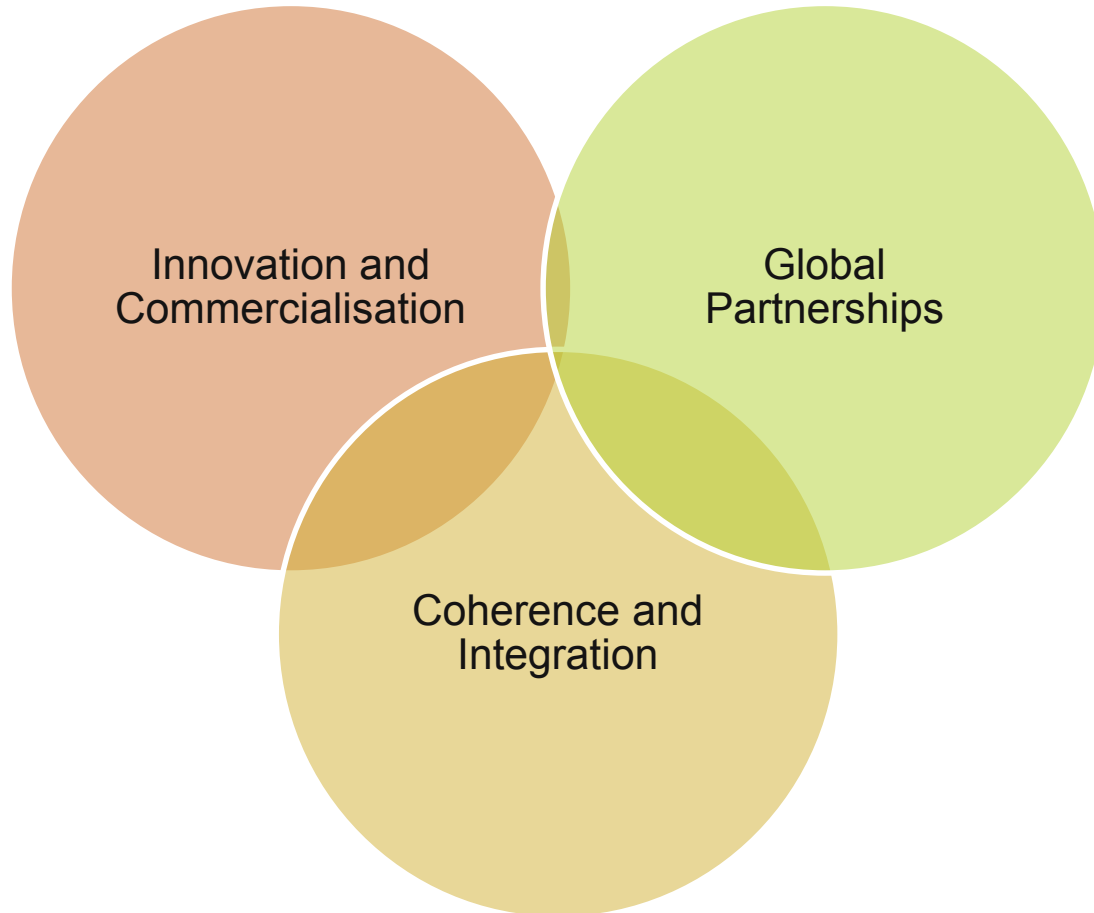
Dr John Rees
British Geological
Survey

Global Health



Dr Helen Fletcher
London School of Hygiene
and Tropic Medicine

Next substantive allocation (2018)



Coherence and integration

- ❑ Strengthen portfolio links and cohesion
- ❑ Build new communities and partnerships
- ❑ Address portfolio gaps and opportunities
- ❑ Challenge leaders to develop new opportunities
- ❑ Work across delivery partners, disciplines and geographies

- ❑ Business led innovation
- ❑ Strengthening innovation systems within developing countries
- ❑ Policy innovation
- ❑ Build from successful approaches (UK Space, RAEng, Research Councils)
- ❑ New role for Innovate UK



❑ ODA research funders

- Best practices
- Portfolio connections
- Joint programmes

❑ Partners within developing countries

- Africa Research Universities Alliance
- Africa Academy of Sciences

❑ Global governance

- UN agencies and institutions

2017	ICAI review of GCRF
2018	ICAI review of Newton
2019	UK Spending Review

Essential to demonstrate value and impact from ODA research



Four Horsemen of the Apocalypse (1887), Viktor Vasnetsov.

Questions?

Mark.Claydon-Smith@rcuk.ac.uk