

Making science work for development

The Evolving Research for Development Landscape

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Making science work for development



Department for Business, Energy & Industrial Strategy



Department for International Development



Government Office for Science



Department of Health



Foreign & Commonwealth Office



Department for Environment Food & Rural Affairs







Engineering and Physical Sciences Research Council





Arts & Humanities Research Council







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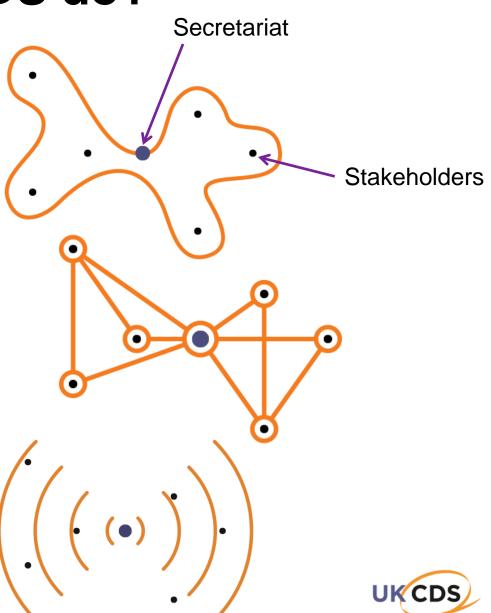


What does UKCDS do?

Bring people together

Share information

Promote opportunities



Connecting research with development challenges: the changing landscape





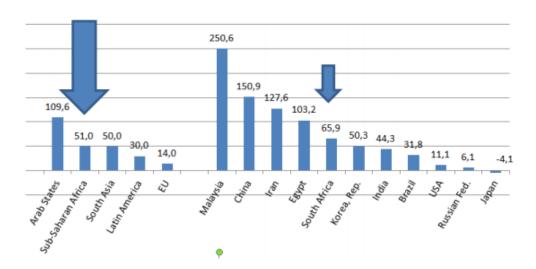






Rising economies and investment in science, technology and innovation (STI)

Many African countries now have STI policies (e.g. 11 out of 15 SADC countries). Several have increased their financial commitment to R&D substantially since 2009, including:



Challenges

- Fragmented R&D systems
- Poor university-industry collaboration
- Drop in government funding for agricultural R&D in SSA

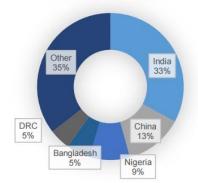


Increasingly fragmented development landscape

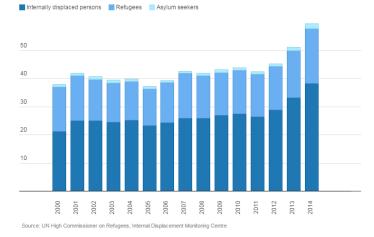
Key development trends

- 1. Inequality
- 2. Fragility and conflict
- 3. Urban poverty
- 4. Changing demographics
- 5. Environmental change
- 6. Resource scarcity











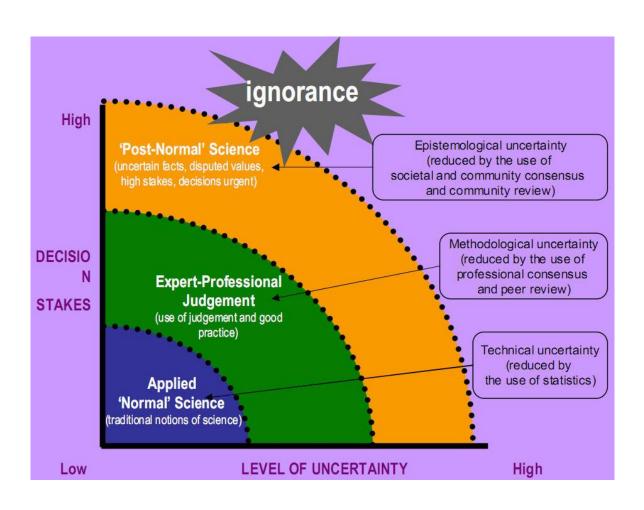
¹ The Data Report: putting the poorest first, 2015

² Financing the future, How international public finance should fund a global social compact to eradicate poverty, ODI

³ Global Monitoring Report 2014/15: Ending Poverty and Sharing Prosperity, World Bank, 2015

Changing role and position of science

'Wicked problems' or post-normal: complex, facts uncertain, stakes are high, urgent decisions, values are in dispute





And in the UK?

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



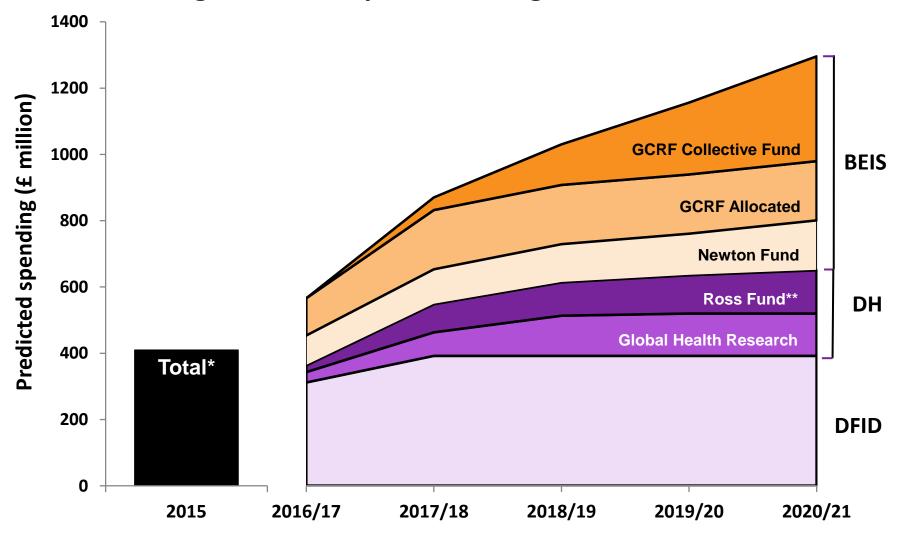


UK aid:

tackling global challenges in the national interest

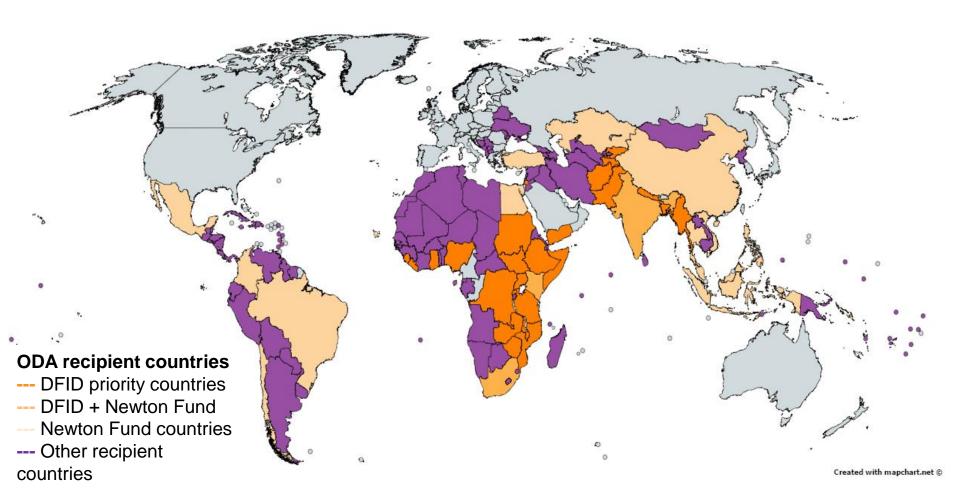


Rising ODA R&D spend across government: 2016-2021*



^{*} Based on UKCDS estimates from published forecasts or figures provided by members ** DH managed Ross Fund spending. Minority (estimated at <20%) is for purposes other than research, surveillance or innovation

UK CDS





ODA funded research

- Impact on development challenges
- Interdisciplinary
- Attracting new research teams/ideas
- The strengths of UK research in helping to contribute to challenges
- Building new partnerships
- In line with UK Aid strategy and Sustainable Development Goals
- Must qualify for classification as ODA (OECD-DAC definitions)



DFID Research Review

Research Review focuses on DFID's areas of comparative advantage and complementarity to other funds.

Impact: does research focus on an important and practical development challenge & increased focus on research uptake

Quality: will the commissioned research be of the highest quality?

Deliverability: will the research deliver benefits within a realistic timeframe?

Cost: has every possible step been taken to control costs?





DFID Research Review



October 2016



DFID research priorities

Fragile and conflict affected states:

- Research around security and justice, migration, taxation and accountability, cross border drivers of conflict and justice
- Multi-disciplinary research on transformational development in African cities
- Research and innovation in humanitarian settings including building resilience and delivering education in emergencies

Health: vaccines and infectious diseasees (half of Ross Fund), resilient health systems, reaching the most vulnerable in health crises, maternal health

Climate, Energy and Water: scale-up access to clean energy and access to water and climate science including weather disaster risk reduction

Agriculture: commercialisation and food systems with strong focus on women, investment in sustainable agriculture including nutrition and resilience to climate change, speeding up development of productive and resilient crops and agricultural technologies

Economic development: what works best to build foundations for economic development?



Department of Health

Two funding streams:

- Ross Fund: ~£500 million over
 5 years
 - Anti-microbial resistance
 - Infectious diseases with epidemic potential
 - Neglected tropical diseases
- Global Health research programme: ~£400 million over 5 years
 - Funding through NIHR
 - Partnerships and capacity strengthening

SBRI / / Competitions / / New vaccines for global epidemics: development and manufacture



Status: Closed

Key features: The Department of Health is to invest up to £10 million in two competition streams in line with the priorities identified by the UK Vaccine Network.

Programme: SBRI

Award: Up to £10 million

Opens: 29 Feb 2016, 00:00

Registration closes: 27 Apr 2016, 12:00

Closes: 04 May 2016, 12:00

Support phone number: 0300 321 4357

Government launches £60 million call for global health research

Date: 18 November 2016

UK universities are being invited to apply for Department of Health funding for research to benefit people's health in low and middle-income countries across the globe.

£60 million will be available for successful universities looking to expand their existing global health work, or for new entrants to the field.



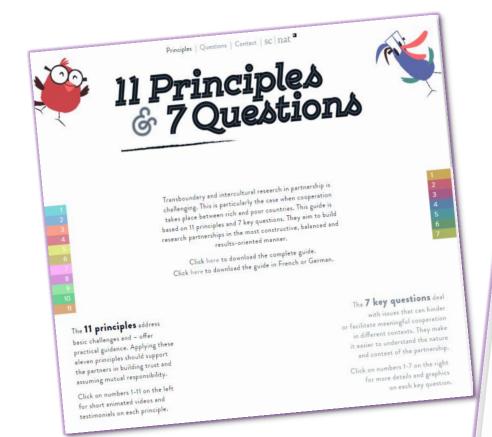


Its about approach and context

- Is the research relevant and needed? check national strategies
- Is there traction and engagement in the countries where the research is taking place?
- Does the research shed new light on complex challenges? E.g. synergies and tradeoffs across the SDGs
- Focus on impact: networks and implementation as well as new ideas and technologies
- Delivering excellent interdisciplinary research AND building sustainable capacity
- Creating and maintaining equitable partnerships



Issues to think about when developing partnerships



11principles.org

Finding and Building Effective Partnerships

Working in partnership across countries, disciplines and sectors is vital to understand the context of international development challenges and develop appropriate solutions.

Researchers are excellent at developing collaborations, however, working in global development can add specific challenges. These include finding the right partners in other countries and sectors, overcoming cultural and language differences, creating equitable relationships, and developing effective communications. Below we've put together a variety of resources to help you build successful, high impact

Creating an effective, equal partnership

There are no simple rules for how to build efficient, effective and equitable research collaborations or A common, shared vision and purpose and realistically defined goals

- Support for the partnership from participating organisations Equitable sharing of resources, responsibilities, and benefits
- Transparent decision-making
- Creation of genuine respect and trust between the partners
- Pursuit and achievement of higher level outcomes beyond the partnership itself

There are lots of guides and resources available with tips and suggestions for how to build successful

- The Partnering Initiative provides a wealth of resources including case studies and tools for developing transdisciplinary and cross-sector partnerships in international development
- Co-producing knowledge is a toolbox of methods for jointly producing knowledge across different academic Planning and building a partnership

- A brief two-page 'how to' guide from CGIAR with tips on planning and writing collaboration agreements
- An easy to read and practical Guide for Transboundary Research Partnerships with 11 principles and 7 key questions to analyse factors that hinder or enable partnerships in different contexts A slightly longer and in-depth guide of Good practices in Educational Partnerships based on experiences
- ELRHA Guide to Constructing Effective Partnerships between humanitarian and academic organisations.



Fairness and equitability in research partnerships

Before the research happens:

- Joint shaping of the research agenda
- Explicit research plan with clear budgets, roles and responsibilities
- Assessing research and management capacity needs
- Awareness of financial management challenges payment in arrears, due diligence

During the research:

- Fair contracting and compensation
- Building capacity locally including research leadership
- Avoid imbalance in status e.g. research planning, authorship, governance/management/supervision
- Inclusion of communities and policymakers

After the research – fair benefit sharing:

- Credit and recognition for contribution
- Access to data and intellectual property
- Sustainable legacy planning



Role of institutions

Develop institution wide guiding principles for good research management in partner overseas institutions

Provide institution-toinstitution capacity strengthening e.g. financial, communication, grants



rfi.cohred.org



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