Global Challenges Research Fund: The Opportunities for the College of Science and Engineering

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International Development

Guiding Principle: “Ensuring that no one is left behind”
International Development for Your Research

Sendai Framework for Disaster Risk Reduction 2015 - 2030

50 BREAKTHROUGHS
Critical scientific and technological advances needed for sustainable global development

WORLD BANK GROUP

International Organization for Chemical Sciences in Development

United Nations Framework Convention on Climate Change
RCUK Research Agenda for Change:

1. Secure and resilient food systems supported by sustainable agriculture
2. Sustainable health and well being
3. Inclusive and equitable quality education
4. Clean air, water and sanitation
5. Renewable energy and materials
6. Sustainable livelihoods supported by strong foundations for inclusive economic growth and innovation
7. Resilience and action on short-term environmental shocks and long-term environmental change
8. Sustainable cities and communities
9. Understand and effectively respond to forced displacement and multiple refugee crises
10. Reduce conflict and promote peace, justice and humanitarian action
11. Reduce poverty and inequality, including gender inequalities
ODA Requirement

Promote economic development and welfare benefit in countries who receive Development Assistant Committee (DAC) flows
Official Development Assistance (ODA)

Economic development and welfare in countries who receive Development Assistant Committee (DAC) flows

- address a development need
- focus on developing countries problems
- embed in project e.g. link to impact
- intent
- credible

ODA Compliance Statement:
1. Which country / countries on the DAC list will directly benefit from this proposal?
2. How is your proposal directly and primarily relevant to the development challenges of these countries?
3. How do you expect that the outcome of your proposed activities will promote the economic development and welfare of a country or countries on the DAC list?
Developing Partnerships

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

- 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

http://www.ukcds.org.uk/resources/finding-and-building-effective-partnerships
Country Partners in GCRF
Capacity and Capability

“The first priority of the GCRF RCUK Collective Fund will be to grow research capacity and capability to meet the challenges faced by developing countries” RCUK Capacity and Capability Call

Clearly identify capacity building activities, for example:

• Access to online resources/moocs
• placements or exchanges
• opportunities for those with relevant skills who have not previously worked on development relevant research projects to orient their research towards global issues
• support and mentoring for more junior team members
• co-design of research and implementation with developing country partner staff
• be creative (data project supplying refurbished former UoE pcs)
### Additional Considerations

**Void**: Very rare, identify instead placement on development journey

**Government drivers**: In-country UN SDG Action Plans

**Ethics**: Recent GCRF ESRC award letter requirement “research undertaken outside the UK must have both UK and respective country ethical approvals.”

**Risk Management**: capture known risks but also those linked to critical dependencies, clear management strategy

**Duty of Care**: personal risks in the field

**Collaboration and Communication from the Field**: consider low/no cost, multi-platform software tools that can be used on and offline

**Resources and Project Management**: recruitment, due diligence, financial, communications, mutually agreed deliverables, partner reporting (financial and activity schedule), steering groups, visas, vaccines, consider tools like World Clock Meeting Planner to schedule international meetings

**Monitoring and Evaluation**: combines reporting of targeted development challenges, associated activity and metrics to evidence immediate, mid term and long terms results and impact

**Sustainability and Legacy**: know what will happen when the project ends

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From THET Guide: “Technology for effective partnership collaboration”
DfID Example of Theory of Change

**Inputs**
- All primary and secondary students have new textbooks in all subjects
- All schools and ABE Centres receiving capitation grants at agreed levels
- Strengthened in-service and pre-service teacher training
- Improved school planning and leadership
- Improved community involvement in planning and monitoring
- Increased harmonisation and alignment of development partner support
- Increased momentum behind the government’s drive to improve quality
- Strengthened Education Management Information System

**Outputs**
- Better quality inputs are a platform for improvements in teaching and learning
- Increased non-salary spending for quality in schools
- Availability of inputs at school level impacts on national targets
- Teachers have skills and resources to help students to learn
- Improved learning outcomes and staying on rates for boys and girls
- Increased accountability of schools to communities impacts on teaching and learning
- Quality improvements attract and retain students and help to further close the gender gap

**Impact**
- Harmonised and aligned support leads to better availability of inputs
Support for GCRF

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https://www.ed.ac.uk/research-support-office/global-challenges-research-fund

Event Series by Global Academies, IAD and RSO: Research for Global and Local Development