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UK Programmes for SDGs



UK's ODA funding for research and innovation

The Science ODA-funded research and innovation is to reduce poverty by addressing specific and global challenges and advancing social and economic development.

The Science ODA R&D programmes:

Global Challenges Research Fund (GCRF) = £1.5 billion

Other ODA research = £875 million

Newton Fund = £585 million, match-resource by partner countries *(NB the total budgeted investment is £735 million since the start of the Fund in 2014)*

Global Context: UN Sustainable Development Goals



Introducing the Global Challenges Research Fund

GCRF: Funding, Duration, Focus

- £1.5billion funding
- 2016-2021
- Challenge led / researcher driven
- Interdisciplinary research with impact
- Strengthening capacity

GCRF: Breadth of Ambition

Equitable access to sustainable development

to create new knowledge and drive innovation that helps to ensure that everyone across the globe can prosper through access to health, food, water, education, energy etc.

Sustainable economies and societies

to identify new responses to the challenges arising from changes in population, technology, consumption and pressure on the environment

Human rights, good governance and social justice

to understand how to strengthen the institutions that underpin peaceful societies, good governance, respect for human rights and the rule of law.

GCRF: Key Criteria

- ✓ **Research Excellence**
new approaches not constrained by traditional methodologies or disciplinary silos
- ✓ **Official Development Assistance (ODA) compliance**
OECD guidelines
- ✓ **Equitable Partnerships and Building Capacity**
strong and enduring partnerships between UK and developing-country researchers to enhance the research and innovation capacity of both
- ✓ **Impact: Problem and Solution Focused**
substantial impact on improved social welfare, economic development, and environmental sustainability

Challenge and impact focus



Generate excellent and novel research

Translate research into measurable development impacts

Deliver a broad range of scalable impacts

A sustainable programme with a legacy beyond the initial investment

Introducing the Newton Fund

What is the Newton Fund?

- Launched in April 2014 as part of UK's Official Development Assistance (ODA) commitment
- Builds research and innovation partnerships with partner countries to:
 - **support their economic development and social welfare**
 - **develop their research and innovation capacity for long-term sustainable growth**

What is the Newton Fund continued.

- Total budgeted UK Government investment of **£735 million up to 2021**
- All activities are match-funded = **equal partnership**
- Currently working actively with 17 partner countries
- More than 700 programmes funded so far

Key principles

Partnership

Building strong, sustainable, systemic relationships with partner countries

Global challenges

Tackling global development challenges to support economic development and social welfare

Capacity

Facilitating the transfer of knowledge and research capability to build scientific capacity

Excellence

Supporting continued excellence of UK research base and reaching the world's best scientists

ODA themes

Infections

Non-communicable Diseases (NCDs)

Health Systems

Environmental Change

Inequalities

Education

Cultural Heritage

Peace, Conflict and Justice

Sustainable Food Systems

Clean Water and Sanitation

Sustainable Energy

Sustainable Cities and Infrastructure

Sustainable Materials and Resources

Sustainable Cities and Infrastructure*

- 182 GCRF & Newton projects funded
- Value approx: £67,000,000

*Indicative

Newton

Skills for Large Facilities – Middle East

Jordan has only recently become a Newton nation: a country with formal agreements with the UK to co-fund development research and innovation. As part of their programme, our science council that hosts large science facilities, including accelerators, is partnering with SESAME.

The UK will host a series of workshops and seminars to enhance capacity and improve Jordan's ability to undertake scientific research making use of the SESAME facility. Researchers will have access to UK facilities and the extensive wider scientific community.

In addition to the work in the experimental teams, summer students attend a series of lectures specially prepared for them and scientists from around the world share their knowledge about a wide range of topics in the fields of theoretical and experimental particle physics and computing. Visits to the accelerators and experimental areas are also part of the programme, as well as discussion sessions and workshops.

Case Study 2

Global Challenge Research Fund

CERN Summer Student Programme

In 2017 the fund supported 20 students from low and medium income countries to take part in the CERN Summer Student Programme. Funding was from the Global Challenges Research Fund (GCRF). In 2018 STFC will be doubling the number of students it supports on the programme to 40. This will include two students from the Occupied Palestinian Territories.

The Summer School Programme offers undergraduate students the opportunity to spend up to three months to join in the day-to-day work of research teams participating in experiments at CERN.

Beyond the outstanding first-class scientific value of their stay, the selected students will find working in a multidisciplinary and multicultural environment an extremely enriching personal experience.

More information

Newton Fund

www.newtonfund.ac.uk

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www.twitter.com/NewtonFund

www.linkedin.com/company/Newton-Fund

Global Challenges Research Fund

<https://www.gov.uk/government/publications/global-challenges-research-fund>

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