The Newton Fund in Indonesia
The Newton Fund in Indonesia

The Newton Fund is part of the UK’s official development assistance programme. The fund will provide £75 million each year from 2014 for five years. Through the Newton Fund, the UK will use its strength in research and innovation to promote the economic development and social welfare of partner countries. By working together on research and innovation projects, the UK will build strong and sustainable relationships with partner countries. This will support the continued excellence of UK research and innovation to unlock opportunities for wider collaboration and trade. The Newton Fund is part of the UK’s Official Development Assistance (ODA) commitment. The first years of the Fund will cover 15 countries: China, India, Brazil, South Africa, Mexico, Colombia, Chile, Turkey, Malaysia, Thailand, Vietnam, Indonesia, Philippines, Egypt and Kazakhstan.

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THREE PILLARS OF THE NEWTON FUND

THE NEWTON FUND

Peoples

Improving science and innovation expertise (known as ‘capacity building’), student and researcher fellowships, mobility schemes and joint centres.

Research

Research collaboration on development topics.

Translation

Innovation partnerships and challenge funds to develop innovative solutions on development topics.

Short Placement

Opportunities for short placements in the UK.

Newton Researcher Links

Workshops and travel grants for research visits, with a focus on early career researchers.

Professional Development and Engagement

Building the skills of researchers in areas such as communication and research management.

STEM Education

Supporting STEM education in schools.

Technical Training and Employability

Supporting workforce planning and development in the area of technical and vocational training.

Newton Institutional Links

Grants for establishing links between higher education and research institutions and HE and businesses.

Global Innovation Capacity Building For Public Sector

A programme for government and innovation agencies.

Global Innovation Capacity Building For The Private Sector

Developing entrepreneurial knowledge and capability.

Collaborative Research Funds

Partnerships with the relevant funding partners in each country.

Joint Centres

Providing support for key research institutions to link up with counterparts in The Newton Fund countries.
3. **ODA – eligible**
ODA eligible activity is one where the Primary Purpose of each transaction is administered with the promotion of the economic development and welfare of partner countries as its main objective. (For example in the Indonesian context, a workshop with the theme of Malaria, Urban Resilience, etc.)

4. **UK and Partner Country element**
Under The Newton Fund, applicants should demonstrate partnership between Indonesian and the UK entities.

### KEY CRITERIA OF THE NEWTON FUND

1. **Equivalent Contribution / Match Funding**
   In order to ensure mutual benefit, equivalent contribution between the UK and partner countries is essential. Match funding can include but is not limited to:

   - **Cash**
     Match funding in cash.

   - **Like for Like**
     For example: The Newton Fund can pay 3 workshops and partner country another 3 workshops.

   - **in-kind**
     For example: match funding in the form of venues, laboratory equipment, flight tickets, etc.

   - **Co-creation**
     Newton Fund and partner country initiate a joint programme.

2. **Open Competitive Call**
   All of the Newton Fund activities should conduct an open call to ensure the quality of the programme.

It is important to build genuine bilateral partnerships where both sides (global knowledge and innovation) gain significant benefit. UK funding should be matched either by partner countries or by private foundations, multi-lateral organizations or corporate partners.
THE NEWTON FUND IN INDONESIA

Over the last two years there has been a significant increase in education collaboration between the UK and Indonesia.

- MoU on Cooperation in Education
  David Willetts, the then UK Minister for Universities and Science and Mohammad Nuh, then Indonesian Minister of Education and Culture signed a joint communique on closer education and skills cooperation, promoting student mobility and the transfer of knowledge between the two countries, followed by the signing of an MoU on cooperation in education.

- The Agreement
  The Ministers signed an agreement establishing eight new partnerships between universities and agreed a new UK-Indonesia Scholarship Programme supporting up to 150 Indonesian PhD students to study in the UK.

- Joint Working Group on Education
  David Willetts visited Jakarta for the first ministerial-level meeting of the Joint Working Group on Education, which oversees the bilateral agreement on education at the opening of the British Council’s Global Education Dialogues conference.

- Collaboration between Indonesia and UK
  The then Indonesian Minister of Education and Culture Mohammad Nuh met with David Willetts, then Minister of State for Science and Technology in London where he identified a number of priority research areas where Indonesia for collaboration with the UK.

PRIORITY THEMES

Initial themes which our Newton programme with Indonesia would focus on, include:

- Agriculture and Food Security
  The region includes some of the leading global rice exporting countries, as well as large areas devoted to palm oil and rubber plantations.

- Digital, Innovation and Creativity
  There is strong interest from the region in the use of web technology, data analytics and creative industries as drivers of disruptive innovations that can deliver disproportionate benefits to the most deprived.

- Future Cities
  Addressing the challenges and maximising the opportunities posed by rapid urbanisation in South-East Asia, through support to the development of physical and virtual infrastructure and better understanding of human impact.

- Health and Life Sciences
  Reducing the dual burden of infectious and non-communicable disease on the fragile health systems of South-East Asia, including addressing the increasing threat of anti-microbial resistance and neglected tropical diseases, as well as address challenges such as population ageing.

- Improving Environmental Resilience and Energy Security
  Improving understanding and mitigating the human and economic impacts of natural hazards, from flooding to drought, seismic activity and typhoons. Reducing carbon emissions by improving provision of renewable energy, including developing offshore technology, minimising negative impact of biofuels and ensuring safety of nuclear power where deployed.
Newton Researcher Links

The Newton Researcher Links Programme is part of the wider Newton Fund Researcher Mobility Programme which is jointly run by the British Council and the UK National Academies. The Researcher Links component aims to stimulate initial links between, and support capacity building among, ‘rising star’ early career researchers in partner countries and the UK. It brings in more senior researchers to act as mentors and to share their knowledge and expertise with more junior researchers. It can be seen as a first step on the funding ladder for collaborative research and the growth of excellence, focusing on broadening horizons and building trust.

Possible Grants under the Newton Researcher Links Programme:

- Travel grants (between 1 month and 6 months) awarded to partner country researchers to travel to the UK to undertake research projects or undergo research training.
- Travel grants awarded to UK researchers (1-3 months) to visit the partner country for the purpose of sharing their knowledge and expertise with researchers.
- Grants for workshops aligned with the in-country Newton Fund priority areas and designed for UK and partner country researchers to share their research and establish relationships for longer term collaboration.

RESEARCHER LINKS

NEWTON FUNDING

Up to £ 38,000, in accordance with call for proposals

WHO CAN PARTICIPATE

- Early Career Researchers
- Senior Researchers

EXAMPLE OF ACTIVITIES

Workshops

BE BECOME A PARTNER WITH THE NEWTON FUND

- Indonesian Universities and Research Centers
- Indonesian Government Bodies
- Private sector
- NGOs

TAKE PART

Calls for proposals are available every year. Keep updated by accessing www.britishcouncil.or.id/newton-fund

BE A PARTNER

Please contact Newton Fund Indonesia team for further information
Newton Institutional Links

The Institutional Links Programme is designed to complement the Newton Researcher Links Programme to establish links beyond the level of the individual researcher, providing opportunities for more sustainable research collaboration and is also managed by the British Council, with support from the Research Councils UK and InnovateUK.

The programme will provide small-scale seed funding to:

• Initiate new research and innovation partnerships between groups, departments and institutions in partner countries and the UK.

• Develop existing partnerships at group, departmental and institutional level.

• Establish local hubs for UK-partner country activity in a particular research area, enabling engagement from the wider research community.

TAKE PART

Calls for proposals are available every year. Keep updated by accessing www.britishcouncil.or.id/newton-fund

BE A PARTNER

Please contact Newton Fund Indonesia team for further information

INSTITUTIONAL LINKS

NEWTON FUNDING

Between £ 60,000-100,000, in accordance with call for proposals

WHO CAN PARTICIPATE

• Universities (Indonesia in partnership with UK)
• Research Institution (Indonesia in partnership with UK)

EXAMPLE OF ACTIVITIES

• Partnership Development
• Develop Joint R&D activities
• Develop Local Research Hubs
• Develop Centres of Excellence
• Scoping Visits
• Workshops on Joint Research

BECOME A PARTNER WITH THE NEWTON FUND

• Indonesian Universities and Research Centers
• Indonesian Government Bodies
• Polytechnics
• Private sector
Professional Development and Engagement

The Professional Development and Engagement Programme aims to support the research environment and enable optimal impact from research, shaped by the demands and development priorities of the partner country. This programme will be managed by the British Council. Appropriate selection processes for each individual activity will be developed in partnership and agreed with national stakeholders.

The programme will:

• Support skills development in researchers, research managers, and support staff, to give them the knowledge and skills they need to better access funding, communicate their research, translate their research into benefit and work strategically and internationally.

• Support dialogue and knowledge exchange on research governance and strategic research policy development to ensure that the research environment in partner countries is more conducive to achieving maximum impact from high quality research.

• Build opportunities for researchers to engage with the wider community and with policy-makers so they are able to be more responsive to the needs of poorest communities and policy decisions are informed by up to date research evidence.

Take Part
Opportunities are available throughout the year. Keep updated by accessing www.britishcouncil.or.id/newton-fund

Be a Partner
Please contact Newton Fund Indonesia team for further information

NEWTON FUNDING
To be negotiated with the Newton Fund delivery partner

WHO CAN PARTICIPATE
• Science Practitioners
• Researchers
• Research Managers
• Support Staff

EXAMPLE OF ACTIVITIES
• Trainings and Capacity Building
• Exchanges
• Publications

BECOME A PARTNER WITH THE NEWTON FUND
• Indonesian Universities and Research Centers
• Indonesian Government Bodies
• Private sector
• NGOs
STEM Education

In order to build strong research and innovation nations, there must be a steady supply of talented students equipped with the knowledge, skills and desire to follow a career in Science, Engineering, Technology and Maths (STEM). Countries have recognised that, for this to be achieved, there is a need to improve STEM teaching and learning at the primary, secondary and tertiary level, ensuring that curricula are robust, up to date and relevant to the experience of the student, and that teachers have the training and resources to support optimal learning. It is also recognised that new approaches to STEM education can be valuable, including increased use of technology assisted learning, informal science learning approaches, and initiatives to engage traditionally underrepresented groups, such as girls, in science education.

The STEM Education Programme will support knowledge exchange and partnership opportunities between the UK and partner countries on STEM education approaches and in doing so build the human resource capacity in a vital area for economic development and social well-being.
Technical Training and Employability

In order to expand and improve science and research capacity, there is a recognised need for a larger and better-skilled workforce. Advances in technology have permeated across multiple industrial sectors (including in the health, agriculture and energy sectors) as well as in academia, and employers are now demanding that employees have stronger practical and technical skills to support this, including the competence needed to manage teams in technical areas.

The Technical Training and Employability Programme will focus on increasing the pipeline of talent, particularly for technical roles (laboratory, engineering, environmental, or forensic technicians for example), and ensuring the future labour market needs can be met. This will include building the relevant employability and practical skills needed to work in the sector.

NEWTON FUNDING

To be negotiated with the Newton Fund delivery partner

WHO CAN PARTICIPATE

• Researchers
• Technical roles (laboratory, engineering, environmental, or forensic technicians)
• Polytechnics and College Students
• Vocational School Students and Teachers

EXAMPLE OF ACTIVITIES

• Curriculum and Course Development
• Industry Link
• Trainings and Capacity Building
• Apprenticeship and Internship
• Exchanges

BECOME A PARTNER WITH THE NEWTON FUND

• Universities and Colleges
• Vocational Schools
• Government Bodies
• Private Sector

TAKE PART

Opportunities are available throughout the year. Keep updated by accessing www.britishcouncil.or.id/newton-fund

BE A PARTNER

Please contact Newton Fund Indonesia team for further information
Newton Short Placements

RCUK, the British Council and HE International Unit are committed to providing opportunities for postgraduate students in the UK and partner countries to build strong, strategic, sustainable bilateral collaborations and international networks. This will not only help to build capacity for research in the training phase, but also support longer term research careers, and research capacity of partner countries.

The primary outcomes of the Short Placement programme under the Newton Fund will be the following:

• Development of research capacity through international training and development opportunities.

• Highly trained researchers in partner countries with international experience, able to contribute to the absorptive capacity for research and innovation and thus bring about economic and social benefit.

• Participation of UK and partner country early career researchers in international intellectual networks, building cultural understanding, and fostering long-term sustainable research collaborations.

• Development of international joint training pathways.

• Knowledge transfer of the UK approach to PhD training and skills development to partner countries, including access to RCUK Centres for Doctoral Training and Partnerships, to support the training of the next generation of partner country researchers.

• Awareness of the research strength of the UK and partner countries.

Take Part

Opportunities are available throughout the year. Keep updated by accessing www.britishcouncil.or.id/newton-fund

Be a Partner

Please contact Newton Fund Indonesia team for further information

Newton Fund in Indonesia