

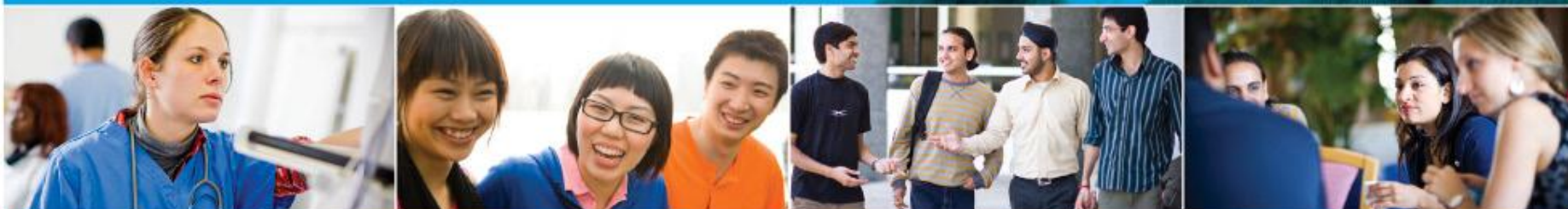
Newton Fund in Indonesia

Teresa Birks
Director Education and Society
British Council Indonesia

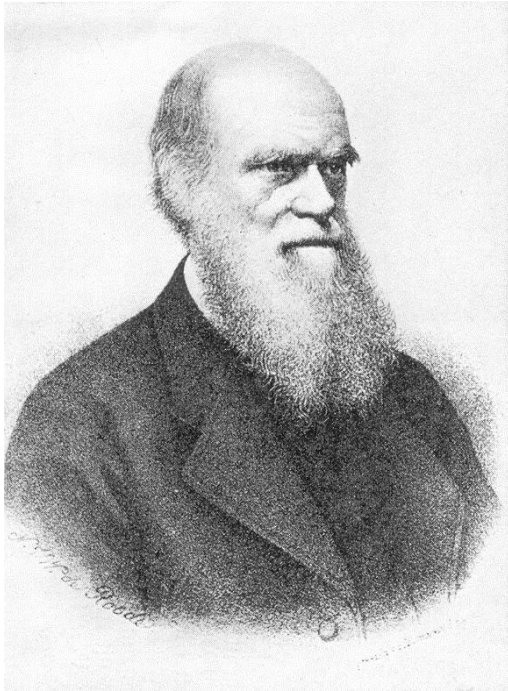
Global Education Dialogues, Medan
21 November 2014



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Then: The Lone Scientist?



Charles Darwin

Reclusive?

Working alone for 20 years

Formulating a theory in the comfort of his study

But

- **Observations and correspondence around the world**



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Now: The Collaborative Scientist

Scientists working together from all over the world

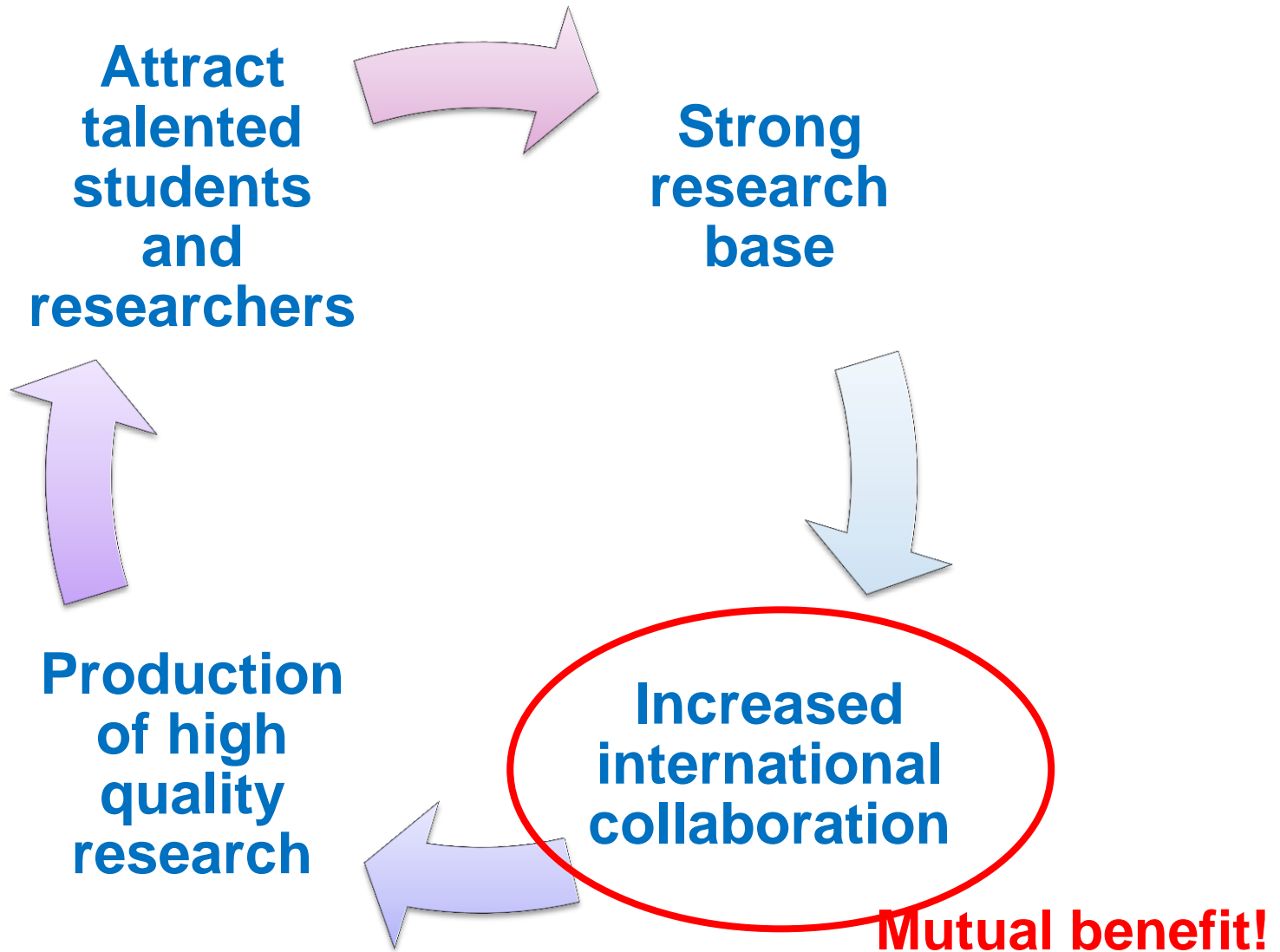
Big data experiments

Rise of the multi-author
paper (3000+!)

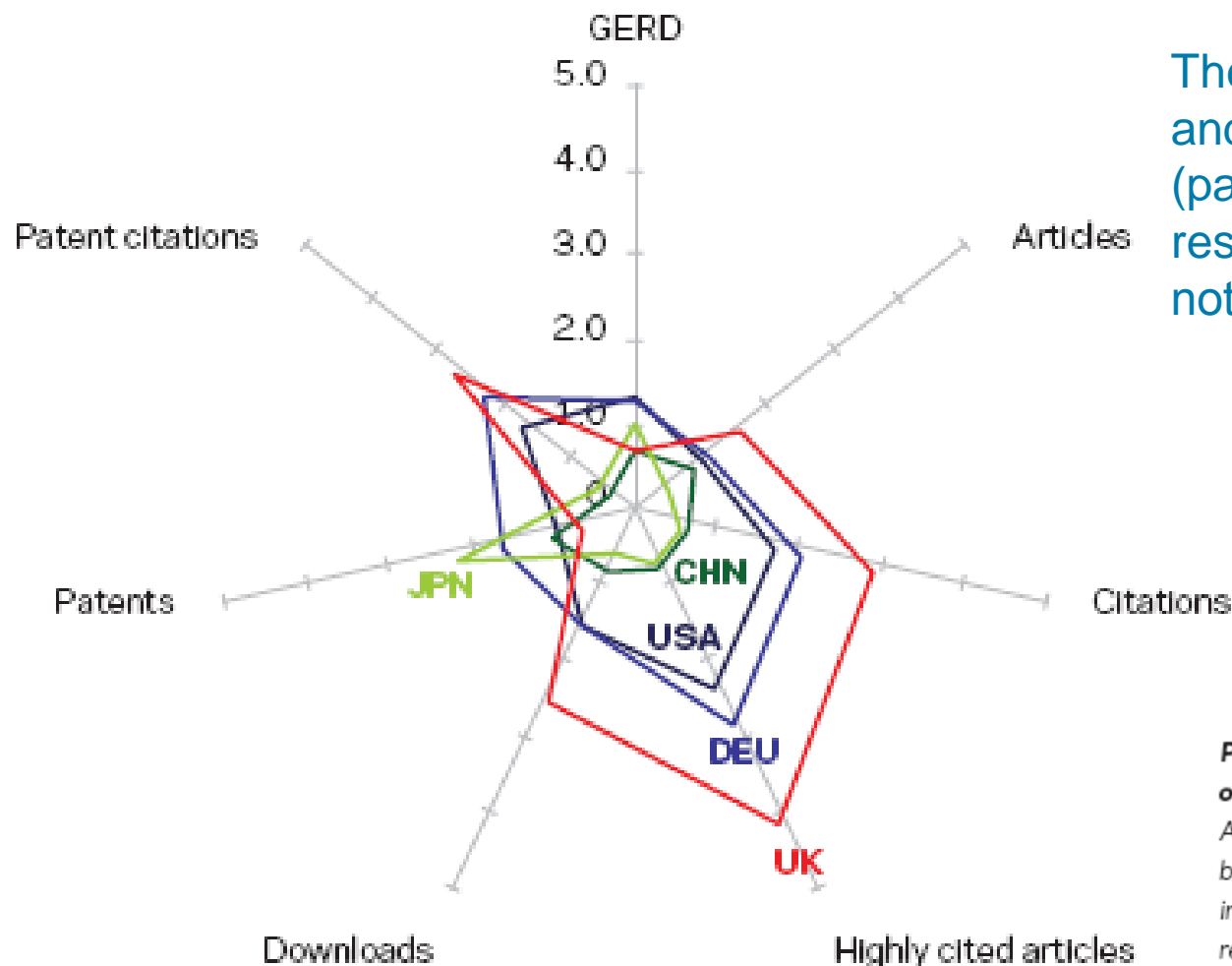
Shared goals breed
collaboration



Virtuous circle



UK researchers are very productive



The UK is strong in research and a driver for innovation (patent citations), even if researchers themselves are not filing as many patents...

Panel B: Relative share of key input and output indicators per researcher.

All data are expressed as world share divided by world share of researchers, giving a relative index where a value of 1.0 implies that, per researcher, the indicator is equal to the world average.

Source: *International Comparative performance of the UK Research Base*, BIS 2013

The British Council aims to build relationships and trust

- We promote cultural relationships and the understanding of different cultures between people and peoples of the United Kingdom and other countries;
- promote a wider knowledge of the United Kingdom;
- develop a wider knowledge of the English language;
- *encourage cultural, scientific, technological and other educational cooperation between the United Kingdom and other countries; or*
- otherwise promote the advancement of education



What is the Newton Fund?

- The Newton Fund is a £375 million fund operated by the UK's Department of Business, Innovation and Skills
- It will run for 5 years starting from 2014/15 in 15 countries
- There will be approximately £2 million per year for Indonesia
- There must be an equivalent contribution from the partner country
- There must be an open, transparent and competitive call for each activity
- The activity must be in line with OECD Overseas Development Assistance eligibility criteria
- There must be a UK and partner country element in each activity

What is the aim of the Newton Fund?

“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 bi-lateral and multi-lateral programmes with a research and innovation focus, the UK will build strong, sustainable, systemic relationships with partner countries.”

Newton Fund partner countries



The UK Delivery Partners



Department
for Business
Innovation & Skills

Innovate UK

Technology Strategy Board



UK Science
& Innovation
Network



Foreign &
Commonwealth
Office



East Asia priority themes

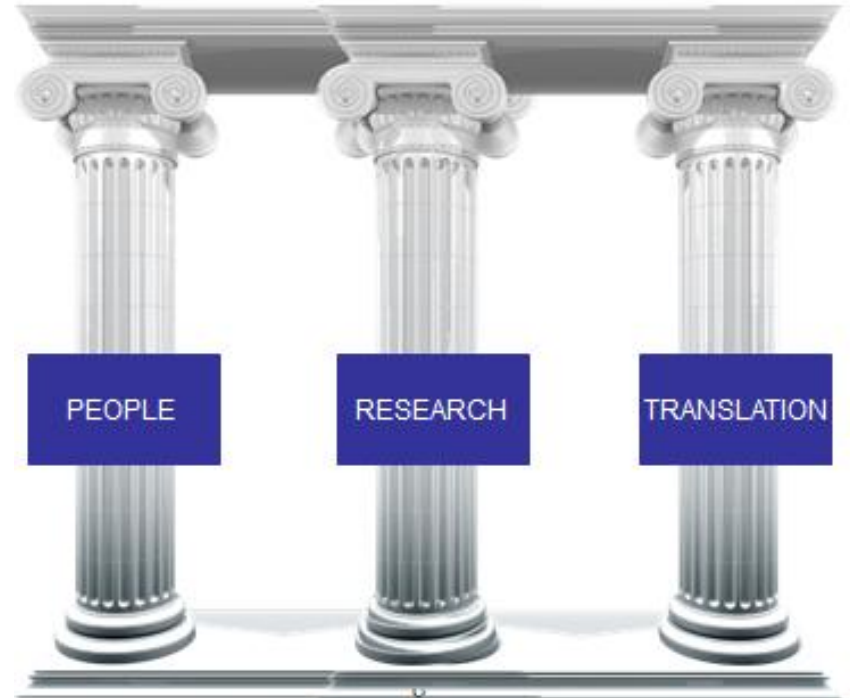
- **Health and Life sciences**
- **Improving environmental resilience and energy security**
- **Future cities**
- **Agriculture and food security**
- **Digital, innovation and creativity**
- **Community resilience**

Three pillars

People: 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



School Student PhD Postdoc Young Prof Academician



What is an equivalent contribution?

- Intended to guarantee mutuality, a genuine partnership, sustainability and relevance
- In some countries, e.g. Malaysia, the government has agreed to match funding
- In other countries such as Vietnam, the Philippines and Indonesia a G2G agreement is not (yet) in place
- BIS refers to 'equivalent effort'. This can include match funding in the form of cash, in-kind contribution, like for like contribution or co-creation
- A third party can match the funding, e.g. industry, national agency as well as university or research institution

What is ODA eligibility?

- The Newton Fund is part of the UK's Overseas Development Assistance funding – so any activities must be ODA eligible
- The definition of what qualifies as ODA is set by the OECD Development Assistance Committee (DAC). It is the key measure for aid targets and assessments of aid performance.
- There is a list of countries that qualify for ODA which is updated every 3 years based on World Bank GNI per capita data and currently includes Indonesia
- An ODA eligible activity is one where the Primary Purpose of each activity has the promotion of the economic development and welfare of ODA eligible countries as its main objective.

People pillar

- **Newton Fund Advanced Fellowships:** fellowships to develop research capacity by linking early- to mid-career research group leaders with UK research groups. The Royal Society, Academy of Medical Sciences and British Academy.
- **Newton International Fellowships:** early career researchers fellowships. The Royal Society, Academy of Medical Sciences and British Academy
- **Newton Leaders in Innovation Fellowships:** fellowships focussed on developing academia and industry links. The Royal Academy of Engineering
- **Newton International Exchanges:** shorter exchanges for UK and partner country researchers e.g. summer placements in labs. The Academies and British Council
- **PhD Partnerships:** British Council and RCUK

People pillar

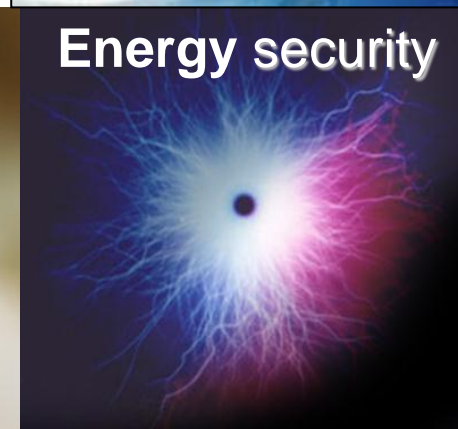
- **Newton Researcher Links:** a programme to stimulate initial links between, and support capacity building among, 'rising star' early career researchers in partner countries and the UK.
- **Professional development and engagement:** skills for researchers and research support staff, including English skills; community engagement; support for research governance and strategies at institutional level etc.
- **STEM (Science, Technology, Engineering and Maths) Education:** support for STEM learning at the schools level
- **Technical training and employability:** building the science and innovation workforce outside academia

British Council and the International Unit

Research pillar

- Joint research calls
- Centres of excellence
- Access to research and innovation infrastructure

Research Councils



Translation pillar

- Research and Innovation Bridges
- Global Innovation Capacity Building
- Developing entrepreneurial skills in S&I small and medium sized enterprises

InnovateUK and the British Council



Translation pillar activities

- **Global Innovation Capacity Building:** working with government ministries and innovation agencies to share effective policies and practice. InnovateUK
- **Research and Innovation Bridges:** Institutional “bridges” between UK Catapults and centres of innovation focusing on particular challenge areas. InnovateUK, Research Council
- **Newton Institutional Links:** Initiate new research and innovation partnerships between groups, departments and institutions and develop existing partnerships at group, departmental and institutional level. British Council. RCUK

British Council and International Unit activities

British Council Indonesia will be working with the International Unit and other UK delivery partners in the following areas:

- **PhD/short-term placement scholarships**
- **Researcher Links: joint workshops for Early Career Researchers**
- **Institutional Links: initiate new and develop existing research and innovation partnerships**
- **Professional Development: Researcher Connect**
- **STEM Education: support for STEM in school curriculum**
- **Technical training: training lab technicians**

For more information please contact

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Terima Kasih