Welcome

We help our partners to achieve health, equity and development
We do this by optimizing research and innovation in low and middle-income countries

We offer

Technical Support
Practical Tools
Global Action
• **COHRED** contributes to global health and development in a unique manner: by enabling the growth of science, technology and innovation systems in low and middle-income countries.

• Achieving and sustaining global health is crucially dependent on the capacity of low and middle income countries to use science and innovation to solve their own priority health and development problems – both on their own and in partnership with high income countries and their researchers, innovators and institutions.
From the article: Global overview

Nature 515, S56–S57 (13 November 2014) doi:10.1038/515S56a

Chemistry is a big focus across much of Asia.

North America has 45% of its WFC in life sciences.

Despite a low WFC overall, Africa contributes strongly to earth and environmental sciences.

Southern hemisphere regions have a stronger focus on earth and environmental sciences.

Communist era leaves a legacy of strength in physics in East and Central Europe.
Urgent need to build research capacity in Africa

HOME >> SOUTH AFRICA >> URGENT NEED TO BUILD RESEARCH CAPACITY IN AFRICA

20-10-2014
Pretoria - Science and Technology Minister Naledi Pandor says the Ebola outbreak in West Africa has illustrated the urgent need to accelerate focused investment in research in Africa.

Sub-Saharan Africa contributes about 2.3 percent of world’s Gross Domestic Product, but is responsible for only 0.4 percent of global expenditure on research and development. With 13.4 percent of the world’s population, it is home to only 1.1 percent of the world’s scientific researchers.
## Table 1: Summary Economic Impact of Global Health Activities on WA State’s Economy

<table>
<thead>
<tr>
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<th>International Global Health</th>
<th>Domestic Global Health</th>
<th>Total Global Health</th>
</tr>
</thead>
<tbody>
<tr>
<td>Direct Jobs</td>
<td>3,656</td>
<td>10,129</td>
<td>13,785</td>
</tr>
<tr>
<td>Average annual wage per Direct Job</td>
<td>$77,557</td>
<td>$48,133</td>
<td>$55,937</td>
</tr>
<tr>
<td>Total Labor Income (in $ millions)</td>
<td>$283.55</td>
<td>$487.54</td>
<td>$771.09</td>
</tr>
<tr>
<td>Total Jobs</td>
<td>14,125</td>
<td>29,707</td>
<td>43,831</td>
</tr>
<tr>
<td>Total Jobs/Direct Jobs (Multiplier Effect)</td>
<td>3.86</td>
<td>2.93</td>
<td>3.18</td>
</tr>
<tr>
<td>Total Business Activity (in $ millions)</td>
<td>$1,464.82</td>
<td>$2,658.70</td>
<td>$4,122.50</td>
</tr>
<tr>
<td>Total Tax Revenue (in $ millions)</td>
<td>$44.99</td>
<td>$96.12</td>
<td>$141.11</td>
</tr>
</tbody>
</table>

### Distribution of Global Health Jobs by Sector, 2005

- **Domestic For-Profit**: 17,006 jobs (34%)
- **International Non-Profit**: 5,962 jobs (12%)
- **Domestic Non-Profit**: 16,931 jobs (34%)
- **Education**: 1,513 jobs (3%)
- **Government**: 2,145 jobs (4%)
- **International For-Profit**: 6,391 jobs (13%)
Health: products

- Insecticide-treated nets made in Tanzania exported to other African countries.
- 30,000,000 olyset nets (50% of the world's production) made by A-Z company Tanzania.
- Tanzania's worth of export of nets have increased from Tsh 65bn in 2008 to 105bn in 2010.
- 7000 people employed in the industry.
3 examples of our ventures in PPPs

• **RHInnO Ethics**
  – Improving & accelerating ethics review of health research in Africa

• **Forum 2015**
  – LMICs define global health research and innovation agenda, find partners, showcase solutions

• **CFI (COHRED Fairness Index)**
  – Improving international collaborative research to build LMIC research and innovation systems
RHInnO *Ethics 1* ... the problem we are addressing

*Designed for low bandwidth connections*
RHInnO Ethics 1 ... the impact it has

Designed for low bandwidth connections

Up to

12 months off

the time it needs to get research results, to get products to market and to people who need them
RHInnO *Ethics* 1 ... the impact it has

Designed for low bandwidth connections

Reduction of Reputational Risk

*for research sponsors*

*for researchers and collaborators*

*for host-institutions*

*for health research itself*
**RHInnO Ethics 1 ... Responsive Design**

*Designed for low bandwidth connections*
RHInnO Ethics 1 ... Being used by:

Swaziland: 1
Mozambique: 3
Tanzania: 1
Malawi: 2
Kenya: 1
Senegal: 1
Nigeria: 7

Designed for low bandwidth connections
RHInnO Ethics 2
Designed for low bandwidth connections

... soon, on a cloud near you

**EthiXPERT**

**Worldwide News**

- Latest revision CIOMS Guidelines Published
  - Actions
  - 24 July 2016

- Commentary: key differences with previous versions
  - 24 July 2015

**Local and Regional News**

- New regulations in Nigeria
  - 17 September 2014

**EthiCALL**

- Join a discussion with international reviewers
- Create a new private discussion
- What people are discussing:
  - New procedures for clinical trials
  - RHInnO - Solution for RECs Efficiency

Click for more details...
**RHInnO Ethics 1**... **unique advantage:** Designed for low bandwidth connections
PPP for RHInnO *Ethics*

- Here, we are the ‘public’ and now seek a ‘private’ partner for:
  - Finance
  - Programming
  - Scaling
  - Servicing
• COHRED partners with the Philippine Department of Science & Technology and Department of Health to host the Global Forum on Research and Innovation for Health in Manila, from 24-27 August 2015.

• The Global Forum for Health Research has now changed its nature and name to reflect a much greater emphasis on the role that low and middle income countries can play in defining the global health research and innovation agenda, and in developing solutions to these problems.
Programme Pillars & Themes

I. Increasing Effective Research and Innovation for Health

- Social value of research and innovation
- Increasing investment
- Country-driven capacity building

II. Using research and innovation to improve:

- Food safety and security
- Health in mega-cities
- Disaster preparedness
PPP for Forum 2015

• Here, the ‘public’ partner are governments who engage us as the ‘private’ partner for:

  – Technical support
  – Internationalisation
  – Showcasing [the Philippines, ASEAN, Asia in global health research and innovation]
  – Creating a LMIC platform
Main focus areas covered under the FRC:

- Intellectual Property rights
- Data sharing
- Technology transfer
- Indirect costings
- Research contracts
COHRED Fairness Index (CFI)

A logical contribution of COHRED towards fair and balanced research & innovation partnerships

- Increased Research capacity within LMICs
- Improved local ownership of research outputs, benefits and products in LMICs
- Decreased reputation risks and improved social impact
COHRED Fairness Index (CFI)
For ethical and equitable research collaborations to address health needs in low and middle-income countries

• The CFI intends to maximize the benefits of research and innovation for global health by improving research and innovation partnerships – focusing on the priorities that low and middle income countries set themselves, on benefit sharing, and on building sustainable research and innovation infrastructure.
CFI TWG Constituency Distribution

- Individuals
- International org.
- NGOs
- Research institutions
- Pharma
- Academia
- Index
- Government
- Philanthropy

CFI TWG – Country Representation

- Africa
- Asia
- EU
- US

CFI TWG Gender Representation

- Men
- Women
CFI – *timetable for implementation*

• **First Draft Report** for public consultation, **14 January 2015**

• **First Consultative Meeting** to integrate comments and prepare one or more prototypes: Rockefeller Foundation Bellagio Center, **last week February 2015**

• **Second Consultative Meeting** with a broader group of stakeholders to finalise the core aspects of the CFI: London, Wellcome Trust, **16-17 April 2015**

• **Pre-launch of CFI**: during the Global Forum on Research and Innovation for Health, Manila, Philippines, **24-27 August 2015**.

• **Implementation – start-up phase**, from **1 January 2016**
PPP for the CFI

• Here, we seek a large, multi-stakeholder partnership:
  – While the CFI creates trust in the system of research and innovation collaboration, we need public & private partners for:
    – Formalising a global public good
    – Financing
    – Technical support
    – Scaling and implementation