

# An overview and evaluation of the Infectious Disease Risk Assessment and Management (IDRAM) project

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# Centre on Global Health Security

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- Examines key global health challenges as problems of international affairs and global politics
- Produces evidence-based politically and economically feasible solutions for policy reform to assist governments, private foundations, international organisations and businesses in improving global health security
- The Centre focuses on aspects of global health including
  - Transnational disease threats and determinants
  - Global access to health-related products technologies and services
  - International affairs and governance of health
- One Health Programme

# Infectious Disease Risk Assessment and Management

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- The Centre on Global Health Security is leading the IDRAM initiative in partnership with **International SOS** and **Public Health England**
- The project is based on the dual benefit of:
  1. **Increasing awareness of Emerging infectious diseases (EIDs) in the extractives industry, improving risk management practice and strengthening industry resilience in the face of disease outbreaks**
  2. **Supporting the extractive industry's involvement in health emergencies preparedness and response and coordination of disease control efforts in countries where they operate.**

**Current and Previous  
IDRAM Partners:**

**CHATHAM  
HOUSE**

The Royal Institute of  
International Affairs



**USAID**  
FROM THE AMERICAN PEOPLE



WORLDWIDE REACH. HUMAN TOUCH.



# IDRAM project activities

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## Research projects and expert roundtables:

- 2014: a pilot study in the Katanga Region of the Democratic Republic of Congo (DRC) evaluated an audit toolkit to improve EID risk assessment and management on mining sites
- 2015/2016: An economic evaluation study to examine the cost-effectiveness of investment in EID prevention strategies within a single large scale mining company
- A literature review exploring current and past collaborative efforts between mining companies and national health systems in relation to health emergency responses
- Development Finance Institutions roundtable
- Simulation exercise workshops testing preparedness and response strategies

# DRC Katanga Pilot - Findings

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**Freeport McMoRan**  
**Mawson West**  
**Tiger Resources Ltd**  
**MMG Ltd**

- Awareness of EID risks are low – 2012
- ‘Inside Fence’ vs ‘Outside Fence’ – tensions with public health system
- Companies suggested better roles for the industry through the survey:
  - Contact tracing
  - Health promotion
  - Data sharing - surveillance
- Collaboration on outbreak preparedness and response plans will reduce risks during operations

# Economic Evaluation Study - Findings

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Ebola demonstrated the real threat to business continuity

- China Union (Liberia) and London Mining (Sierra Leone) shut down completely, others scaled down
- Ebola cost - \$3.3m in preventative measures that supported operational resilience to large mining company
- Delays in expanding iron ore production capacity from 5.2m tonnes to 15m tonnes
- An understanding of the local context of vulnerability is important for risk reduction and can be achieved through **community collaboration**
- There are practical links between emerging infectious disease (EIDs) risk management, corporate responsibility and sustainable development.

# Literature Review - Findings

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- Analysis of public-private partnerships between mining companies and public health stakeholders
- Limited evidence available:
  - **2 reports not associated with Ebola**
  - **No peer reviewed articles available**
  - **34 grey literature reports**
  - **International Council on Mining & Metals**
- Collaboration efforts occur when an outbreak is unfolding – EPSMG
- Priorities for industry involvement: 1) Business Continuity 2) Duty of Care to Staff 3) Social Responsibility – **in that order**
- **Opportunities: national DRR platforms Sendai Framework, IHR & OIE standards, SDG 17**

# Role of Development Finance Institutions

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- As investors, Development Finance Institutions (DFI) are key players in the extractive industry complex and other important industrial sectors.
  - DFIs can support more comprehensive health impact assessment model through inclusion of multiple stakeholders
  - DFIs can ensure that safeguards are followed and implemented in all extractive projects
  - Sustain dialogue between members of the private sector, international development actors, finance institutions, national governments and public health to improve policy measures
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# IDRAM 2016

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- Expanded economic evaluation study & China based extractives qualitative studies
  - Engagement with the extractive industry:
    - Sustain dialogue between members of the extractive industry, international development actors, finance institutions, national governments and public health to improve policy measures
    - Chatham House is working with leading companies and multiple extractive industry associations to advance the IDRAM initiative:
      - IOGP/IPIECA – international association of oil and gas producers
      - Mining industry textbook manual
      - Society of Petroleum Engineers (SPE) – EID panel at annual conference
      - World Economic Forum
      - Africa Down Under Conference
  - Wider One Health Programme
  - Participatory One Health Disease Detection (PODD) project
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# Thank you

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