China-Africa Public Health Cooperation

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China - Africa Public Health Cooperation

December 2015. President Xi Jinping announced to implement the China-Africa cooperation public health plan in Johannesburg Summit of Forum on China-Africa Cooperation, which was held in South Africa.

September 2018, at the opening ceremony of the Beijing Summit of the China-Africa Cooperation Forum, President Xi Jinping announced to implement Eight Major Initiatives, one of which is health initiatives and supporting Africa CDC is the priority.
Africa CDC and Regional Collaborating Centers (RCCs)

Activities

- The Secretariat in Addis sets policies and frameworks in consultation with the RCCs.
- Africa CDC established Regional Integrated Surveillance and Laboratory Networks (RISLNET) in their RCCs region.
- Africa CDC established Antimicrobial Resistance Surveillance Networks (AMRSNET).
- Public health emergency response.
- Capacity building: fellowship program and training course.
- NPHI establishment.

Background

ACDC public health cooperation

Public Health Emergency Responses

Future plan
Establish China CDC and Africa CDC collaboration mechanism

- **Fully involved in the ACDC establishment**
  - Joined the ACDC task force meeting and multinational working group meeting
  - Worked with ACDC to draft the implementation plan and EBS framework
  - Joined RCC external evaluation
  - Trained for ACDC fellows

- **Assigned the permanent high level experts working in ACDC**
  - Totally 4 experts since 2017 (2 experts for each year)

- **Convene high level health meeting**

- **Field visit and information exchange**
Africa CDC project collaboration

- Support the construction of Africa CDC headquarter building and implement China-Africa Emerging and Re-emerging Infectious Diseases Project

- Support for COVID-19 testing in Africa
  - Support Africa CDC in the development and refinement of an external quality control (EQA) for SARS-CoV-2 laboratory tests.
  - Capacity building for quality control of laboratory testing in Africa.
  - Provide free PCR diagnostic reagents and sampling swabs.
Support Africa CDC in data analysis and risk assessment of COVID-19 epidemic

- Online self-checker tool to identify COVID-19 and intelligent question answering system based on WHO and authoritative organization guidelines.

- Gene sequencing analysis platform for COVID-19

- Categorize COVID-19 Literature based on machine learning and build knowledge graph

- Big data driven modelling tool for COVID-19 prediction and simulation.
Pilot project on building capacity of malaria epidemiology molecular lab network in Sierra Leone

**Objectives**
- Strengthen malaria molecular lab diagnosis capacity for Plasmodium & mosquito surveillance
- Develop bioinformatics system
- Conduct data validation and utilization
- Conduct external evaluation
- Inform national policy and action plan development
- Develop multilateral collaboration mechanism

**Partners**
- China CDC, ICDC, NIPD, JIPD, BGI
- SL MOHS/NMCP, SL Njala University
- Peking University

**Grantees & subgrantees**
- Africa CDC, RCC
- WHO
- Global Funds
- PMI

**Activities**
- Multilateral collaborative project with Africa CDC
  - Strengthen lab capacity and network building for emerging and re-emerging disease control in Sierra Leone and Africa
  - CDC with malaria being the showcase
  - Scale and integrate pilot project into the broader China-Africa Health Cooperation Programs and Africa CDC PGI
Key Public Health Emergency Responses in Africa

- 2014-2015, Ebola in Western Africa
- 2016, Yellow fever in Angola
- 2017, Plague in Madagascar
- 2018, Ebola in DRC
- 2018-19, Ebola preparedness in Uganda, Burundi and South Sudan
- 2020-now, COVID-19 response in Africa CDC and African countries
“Go to the people. Live with them. Learn from them. Love them. Start with what they know. Build with what they have. But with the best leaders, when the work is done, the task accomplished, the people will say “We have done this ourselves.”

----- Lao Tzu
THANK YOU

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