

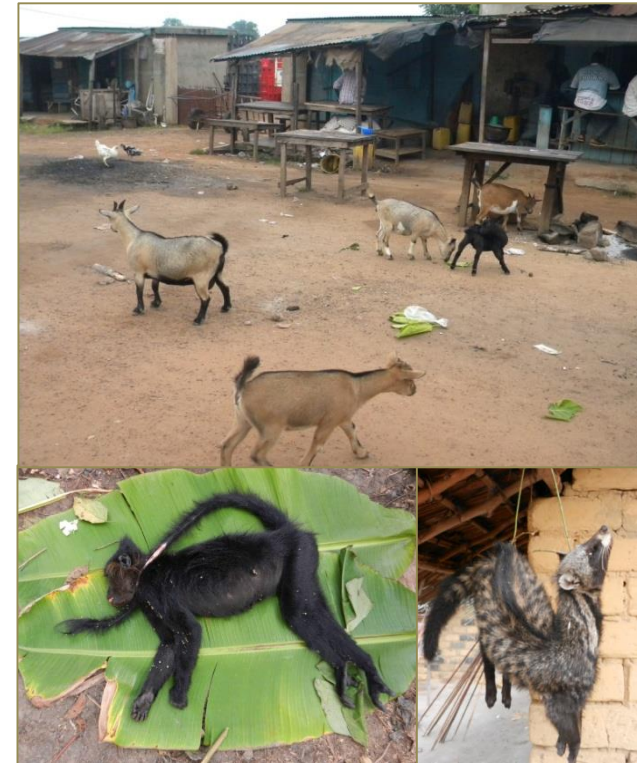
**African Network for improved Diagnostics,  
Epidemiology and Management of Common  
Infectious Agents**



- Strengthen collaborations between German and African research institutions to address current research questions **related to health**
- Investigate **neglected and poverty related** diseases to sustainably improve health data → applied focus



- Long-term African collaborators expressed need to research „common health problems“
  - Respiratory tract infections, gastrointestinal infections and fevers of unknown origin are a main cause of morbidity and mortality in Africa<sup>1,2</sup>
  - Poverty and resource-weak healthcare: contact to wildlife and domestic animals especially in **rural areas**
- Proliferation of (new) zoonotic agents
- **Need for comparative studies**



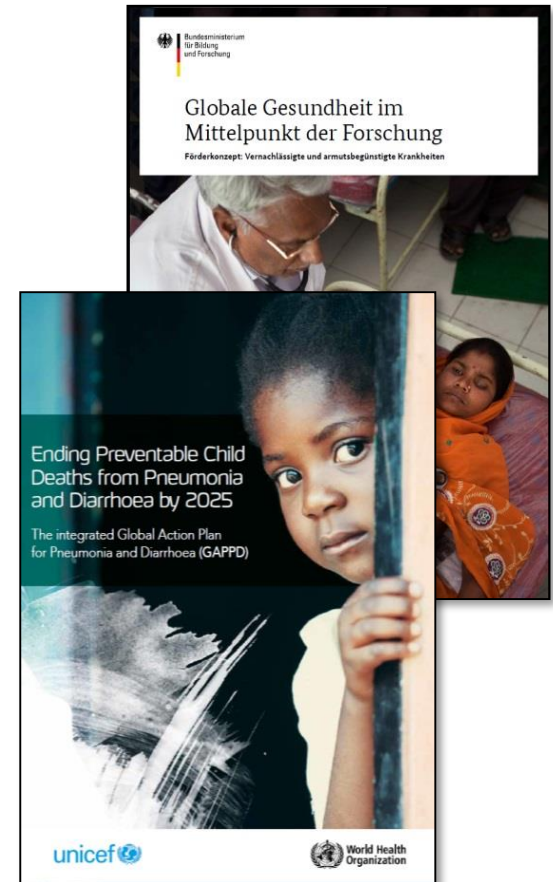
<sup>1</sup>Walker et al., Global burden of childhood pneumonia and diarrhea. The Lancet, 2013. 381(9875): p. 1405-1416.

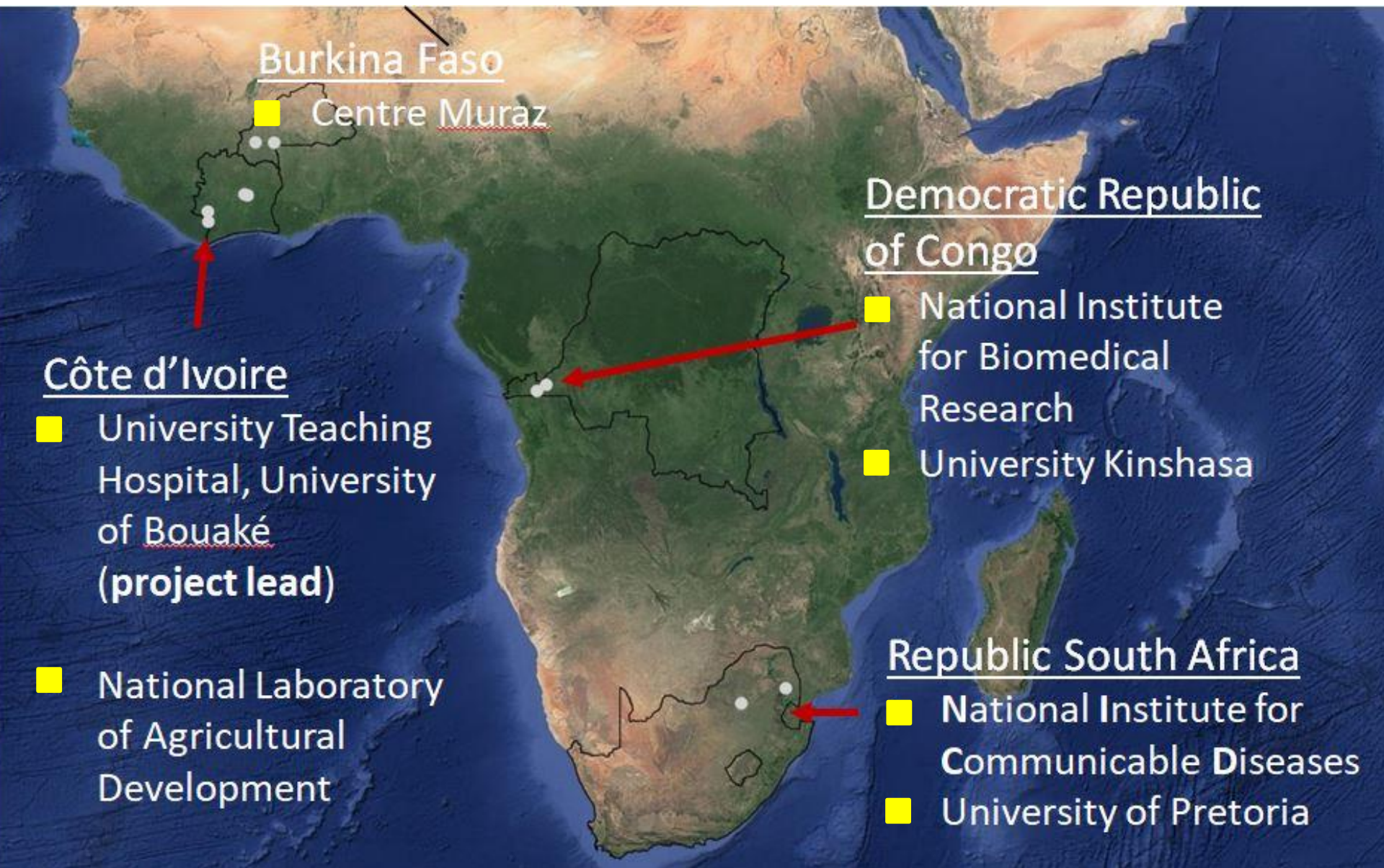
<sup>2</sup>WHO fever management report 2013.

Acute  
respiratory tract  
infections

Acute  
gastrointestinal  
infections

Fevers of  
unknown  
origin





Burkina Faso

■ Centre Muraz

Democratic Republic of Congo

■ National Institute for Biomedical Research

■ University Kinshasa

Côte d'Ivoire

■ University Teaching Hospital, University of Bouaké (project lead)

■ National Laboratory of Agricultural Development

Republic South Africa

■ National Institute for Communicable Diseases

■ University of Pretoria

E.g. in depth comparative analyses of pathogens and epidemiology

## One Health:

Investigations of zoonotic reservoirs, link to climatic and sociological data

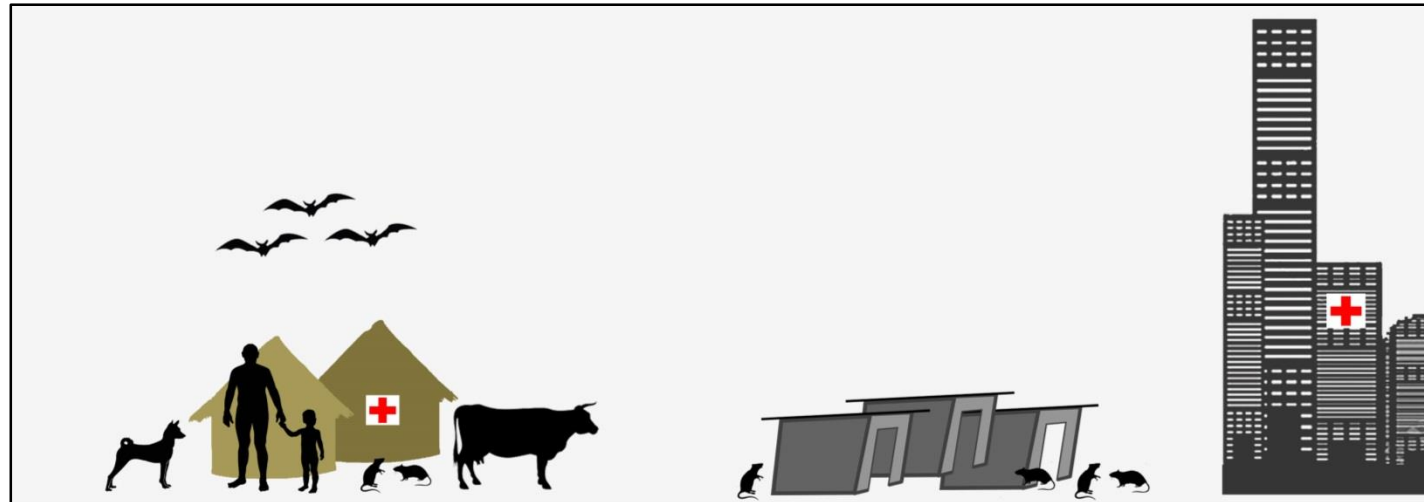
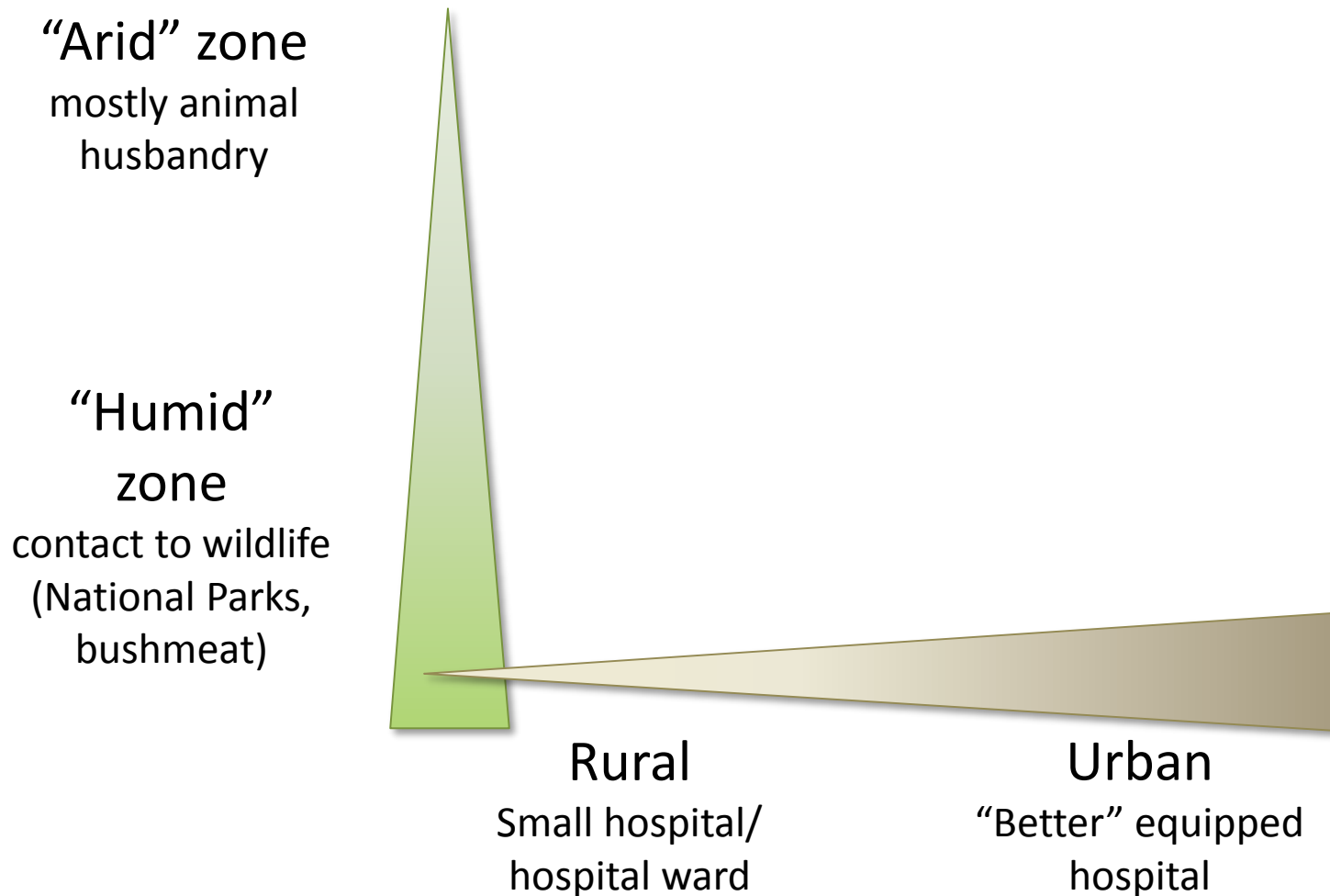
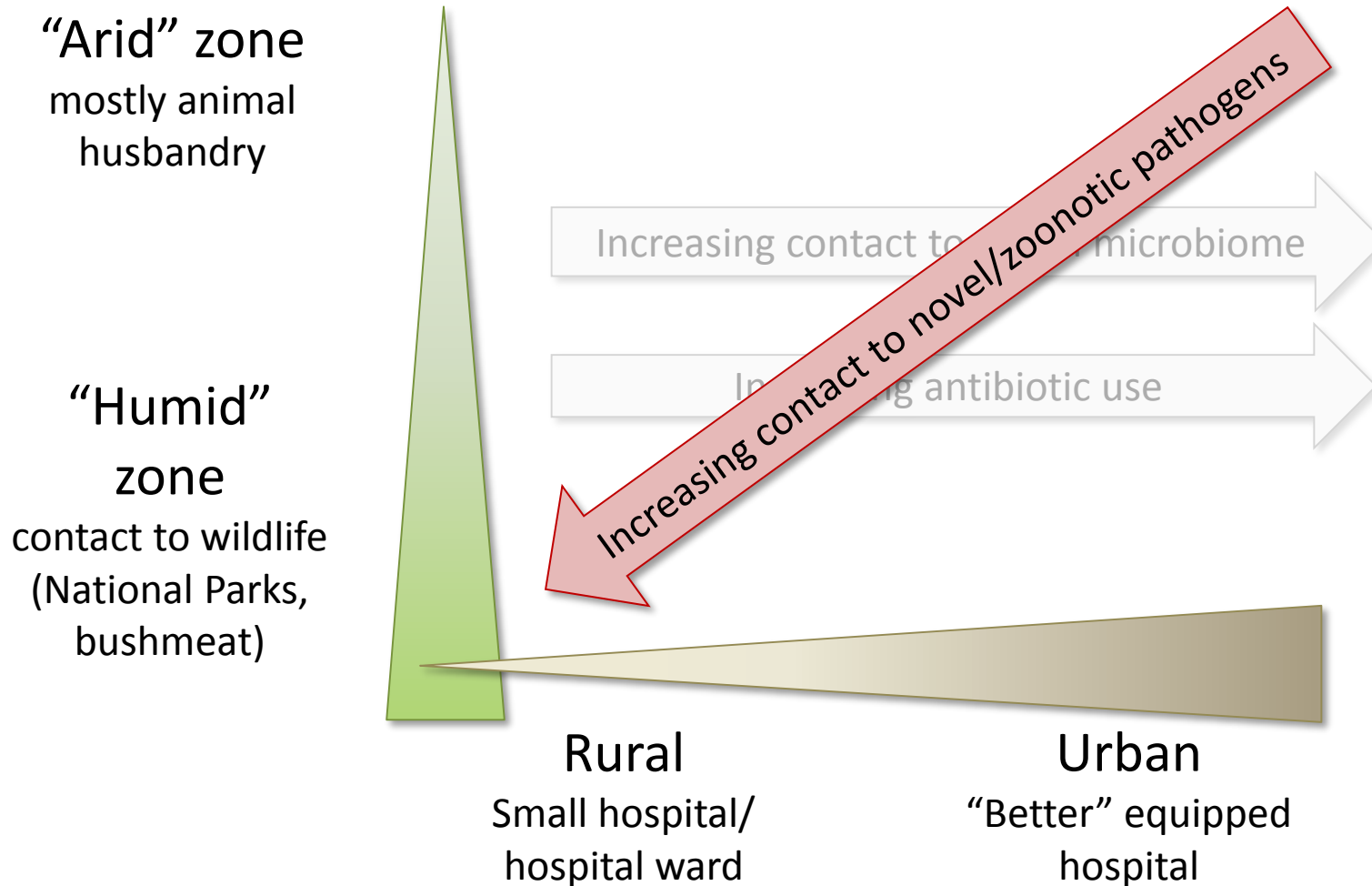
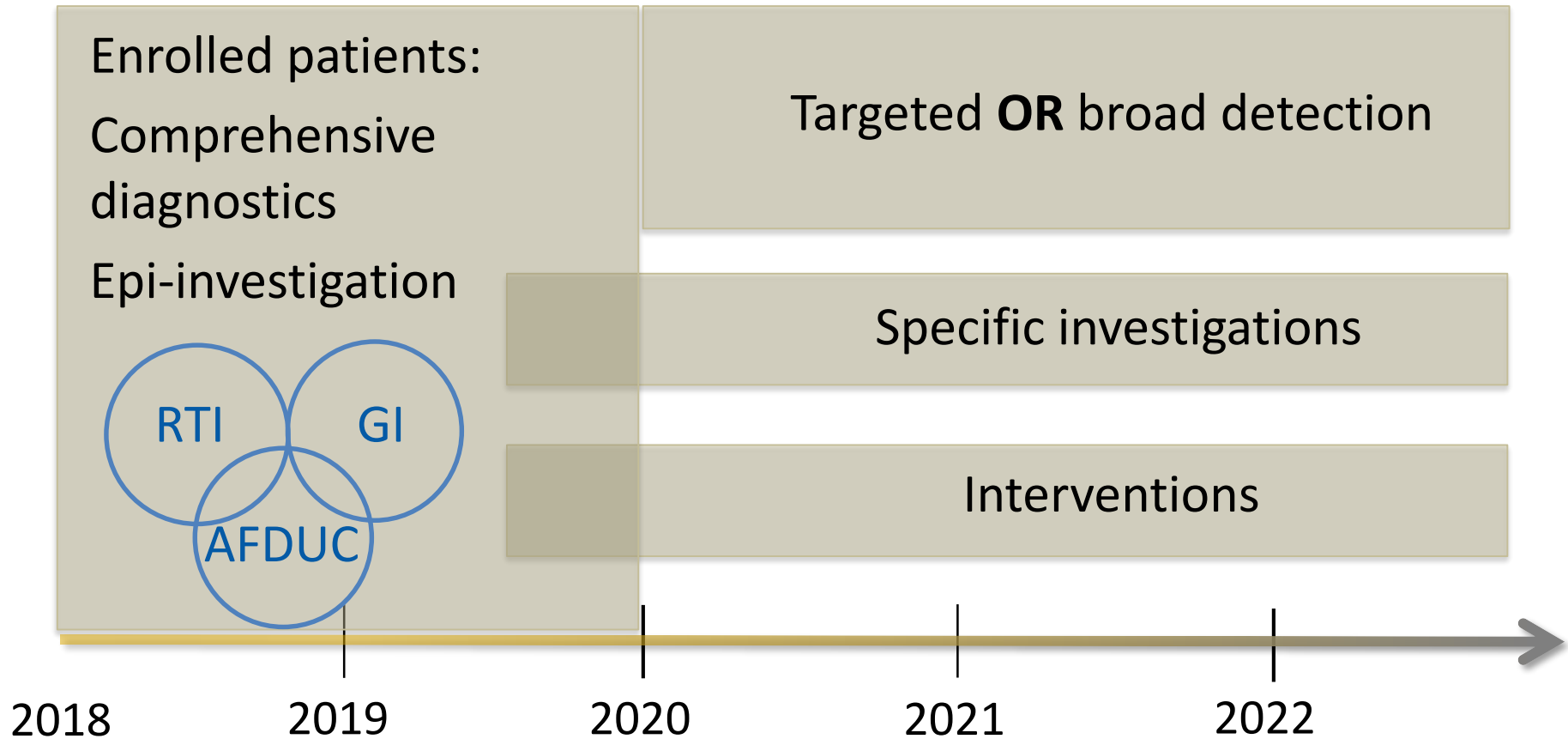


Image: <http://iiad.tamu.edu/about/thrusts/one-health/>

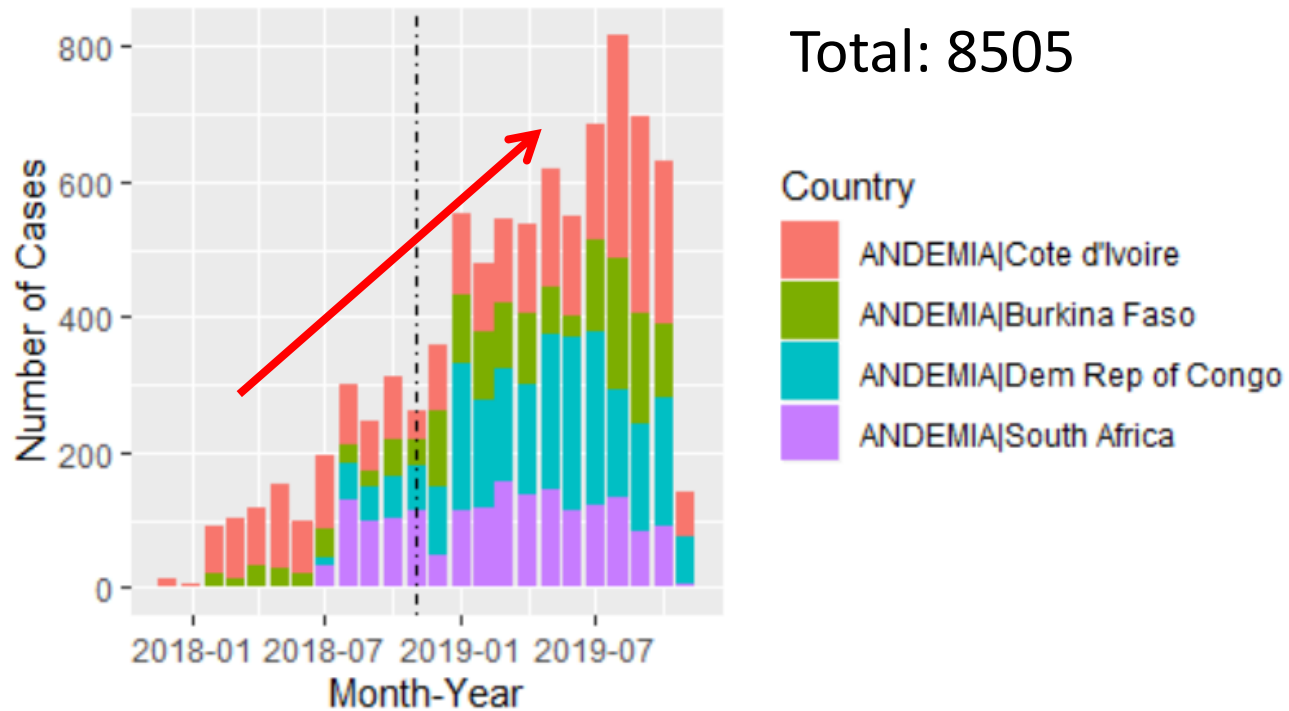








## After initial challenges...



More information on ANDEMIA: [www.andemia.org](http://www.andemia.org)



The screenshot shows the ANDEMIA website homepage. At the top, there is a navigation menu with links for 'Start', 'About Andemia', 'Partners & Sentinel Sites', 'Publications', and 'News'. A language selector for 'Français' is also visible. The main content area features a large map of Africa with several yellow triangles indicating specific locations. To the right of the map, there is text describing the organization's mission and goals. Below the map, there is a photograph of a group of people sitting around a long table in a meeting room, working on laptops.

**Start** | **About Andemia** | **Partners & Sentinel Sites** | **Publications** | **News** | **Français**

**ANDEMIA**

The African Network for Improv Epidemiology and Management Infectious Agents – ANDEMIA is transnational strategy to research respiratory tract and gastrointest febrile disease of unknown cause of antimicrobial resistance in sub (SSA).

Although many international netw to programs related to the aligne management of tuberculosis, mal Immunodeficiency Virus in Africa, international consortia focused on strengthening capacity for the col surveillance of common infectious recent studies demonstrate that t important cause of morbidity and mostly in children.

**ANDEMIA** will establish a sentinel system through which relevant da from not only urban, but also ren clinics within the African partner d'Ivoire, Burkina Faso, Democrat Congo und Republic South Africa. Health approach by also investiga environmental pathogen reservoi

