

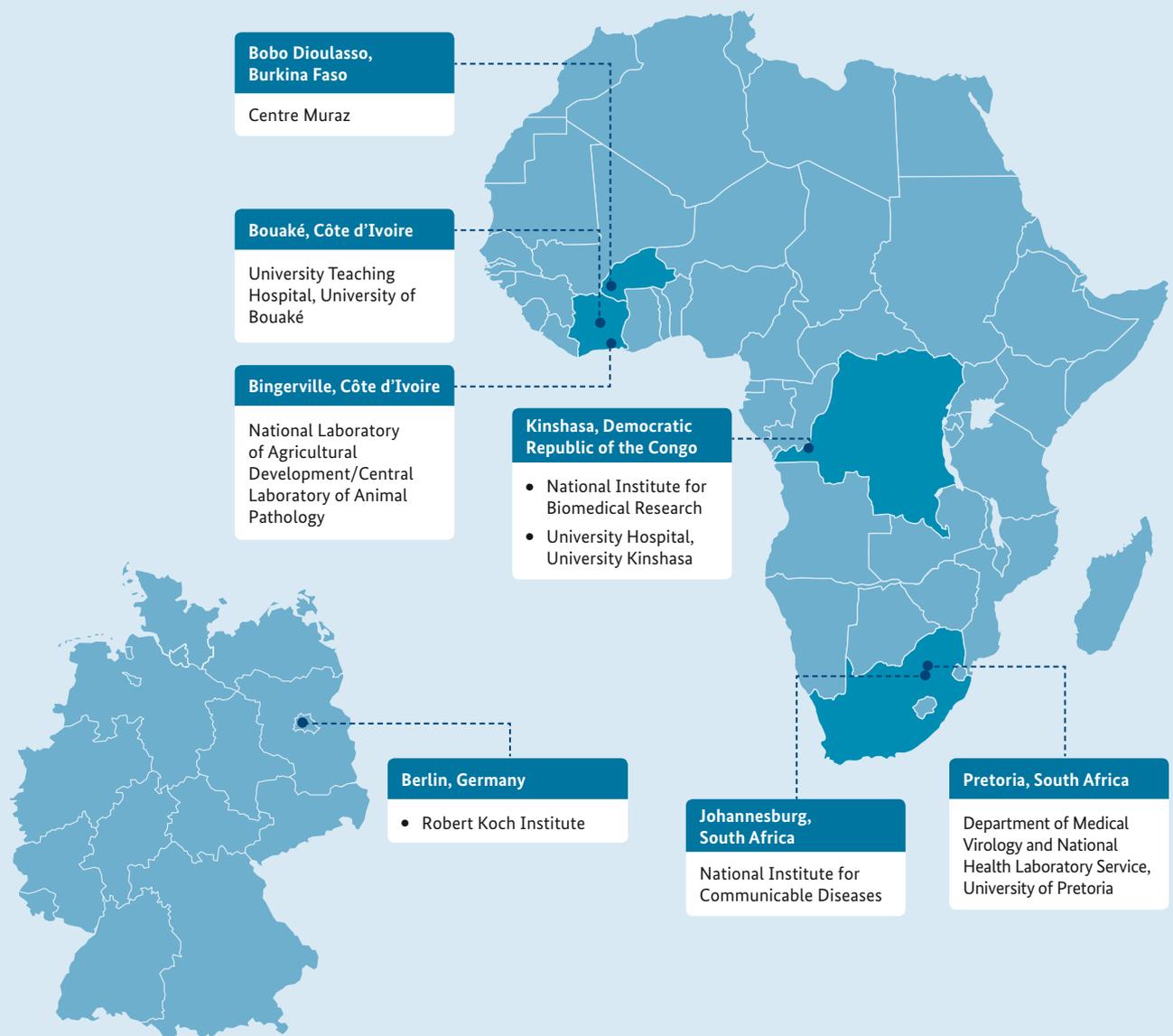


ANDEMIA

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

In Sub-Saharan Africa, acute respiratory and gastrointestinal diseases, acute fever of unknown origin and infections with antimicrobial resistant pathogens are among the main causes of disease and death. ANDEMIA combats such disease syndromes by establishing a transnational sentinel surveillance programme at urban and rural clinics throughout Africa. In addition to improving local health by means of adapted diagnostics and outbreak control, ANDEMIA provides epidemiological data on the role of Sub-Saharan Africa as a reservoir for various pathogens, which is of relevance on a global scale.

ANDEMIA – Project Partners





ANDEMIA partner meeting, Berlin, Germany, November 2019
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The primary objectives of the ANDEMIA project are to carry out critical research activities, build capacities and strengthen collaboration for the enhanced detection, control, treatment and prevention of acute respiratory tract and gastrointestinal infections, acute febrile disease of unknown cause and infections with antimicrobial resistant pathogens in Sub-Saharan Africa.

ANDEMIA aims to identify pathogens that underlie these common disease syndromes to subsequently guide appropriate interventions such as encouraging appropriate antibiotic use, implementing rapid diagnostic tests where applicable and introducing infection control measures and outbreak management. The hypothesis is that locally adopted interventions based on integrated surveillance data (integrating clinical and laboratory data) are more effective in improving patient outcomes and disease prevention than vertical disease programmes. Since zoonotic diseases are a major concern, the One Health approach unifying human and animal health is also taken into account by investigating, for example, antibiotic use among animals and exposure to zoonotic diseases among humans.

The capacity-building plan drawn up by African junior scientists is an integrative part of ANDEMIA. This helps to foster long-term collaborations between German and African research institutions.

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Investigating human and animal health in a One Health approach
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