

# ICREP-NTDs

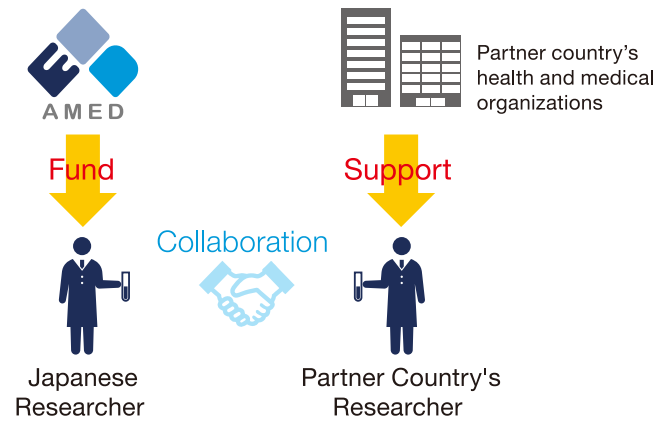


## International Collaborative Research Program for Tackling the NTDs (Neglected Tropical Diseases) Challenges in African countries

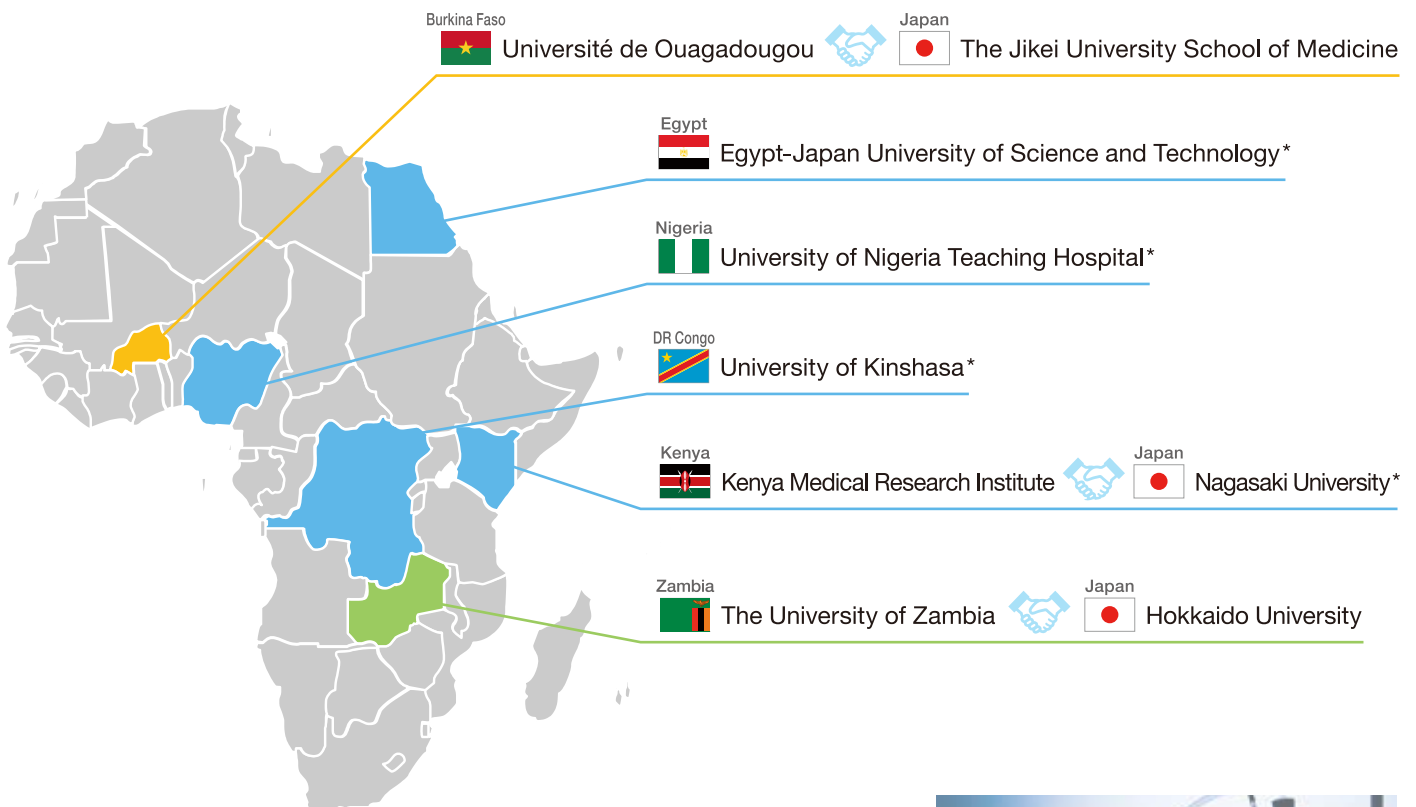
### Objectives

NTDs are prevalent in 149 countries around the world and the number of NTD patients has reached 1.4 billion, nearly half of whom have been reported in Africa. Thus, NTDs are particularly rampant in Africa. The objective of this program is to use Japan's science and technology capabilities to enhance its contribution to addressing NTDs, which are serious impediments to the development of African countries that need to be addressed urgently, through strengthening the development of science and technology and human resources both in Japan and in emerging and developing African nations.

### Program Structure





### Ongoing Projects







- Dengue
- HIV, Trachoma, Schistosomiasis, Amoebiasis, Leishmaniasis, Lymphatic Filariasis, African Trypanosomiasis, Echinococcosis
- Human African trypanosomiasis, Leprosy (Hansen disease)



\* Nagasaki University is promoting the projects with these universities in four countries jointly.

<b>Project Title</b>	Establishment of the model for controlling neglected tropical diseases based on the development of rapid diagnostic methods and risk analysis	
<b>Summary</b>	To control neglected tropical diseases in African continent, we will try to complete some items targeting leprosy and human African trypanosomiasis (HAT) as model diseases.	
<b>Country</b>	 Japan	 Zambia
<b>PI</b>	Dr. Yasuhiko Suzuki	Dr. Kennedy Choongo
<b>Affiliation</b>	Hokkaido University	The University of Zambia

<b>Project Title</b>	Integrated research program for the control of dengue fever mosquito in Burkina Faso, West Africa	
<b>Summary</b>	Integrated vector management (IVM) is defined as a rational decision-making process for the optimal use of resources for vector control.	
<b>Country</b>	 Japan	 Burkina Faso
<b>PI</b>	Dr. Hirotaka Kanuka	Dr. Athanase BADOLO
<b>Affiliation</b>	The Jikei University School of Medicine	Université de Ouagadougou

<b>Project Title</b>	An innovative continent-wide NTD surveillance network based on simultaneous multiplex assay technology in Africa	
<b>Summary</b>	This program intends to develop a continent wide NTD surveillance network based on a multiple assay system.	
<b>Country</b>	 Japan	 Kenya
<b>PI</b>	Dr. Satoshi Kaneko	Dr. Matilu Mwau
<b>Affiliation</b>	Nagasaki University	Kenya Medical Research Institute

※ PI: Principal Investigator

## Neglected Tropical Diseases and AMED Project

	Neglected Tropical Diseases	Pathogen	Route of Infection	Vaccine	Silver Bullet	AMED Project
1	Buruli Ulcer	✓			✓	
2	Chagas Disease	✓	✓		✓	
3	Cysticercosis	✓	✓		✓	
4	Dengue	✓	✓			Jikei U
5	Dracunculiasis	✓	✓			
6	Echinococcosis	✓	✓		✓	
7	Endemic Treponematoses	✓	✓	✓	✓	Nagasaki U
8	Foodborne Trematode Infections	✓	✓		✓	
9	Human Africa Trypanosomiasis	✓	✓		✓	Hokkaido U / Nagasaki U
10	Leishmaniasis	✓	✓		✓	Nagasaki U
11	Leprosy	✓	✓		✓	Hokkaido U
12	Lymphatic Filariasis	✓	✓		✓	Nagasaki U
13	Onchocerciasis	✓	✓		✓	
14	Rabies	✓	✓	✓		
15	Schistosomiasis	✓	✓		✓	Nagasaki U
16	Soil-transmitted Helminthiasis	✓	✓		✓	
17	Trachoma	✓	✓		✓	Nagasaki U

Reference: NIIYAMA Tomoki (Ed.) March 25, 2015 Illnesses, Medical Care and Disabilities in Africa: Through Seminars in the "Africa in Front of Us" Series, Report Issued by Research Center for Ars Vivendi of Ritsumeikan University, Vol.23, 168p. ISSN 1882-6539

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