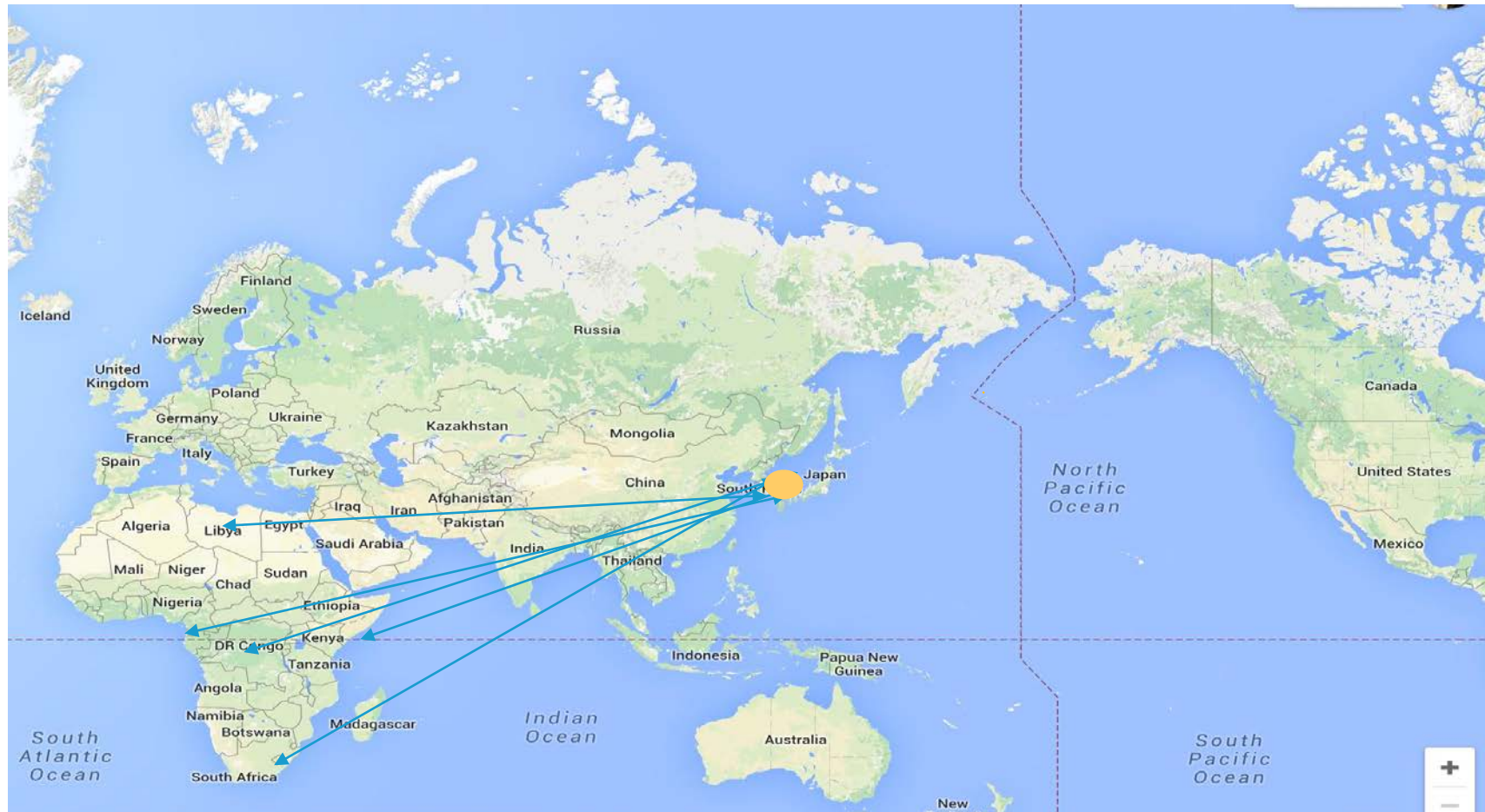


PROSPECTS OF BUILDING A SUSTAINABLE JAPAN - AFRICA CLINICAL TRIALS NETWORK



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AFRICA DEMOGRAPHICS

Second populated continent after Asia with an estimated population : 1,340,598,147 (United Nations estimates)*

Regions in the world by population (2022)





#	Region	Population (2020)	Yearly Change	Net Change	Density (P/Km²)	Area (Km²)	Migrants (net)	Fert. Rate	Med. Age	Urban Pop %	World Share
1	Asia	4,641,054,775	0.86 %	39,683,577	150	31,033,131	-1,729,112	2.151942002	32	0 %	59.5 %
2	Africa	1,340,598,147	2.49 %	32,533,952	45	29,648,481	-463,024	4.438374895	20	0 %	17.2 %
3	Europe	747,636,026	0.06 %	453,275	34	22,134,900	1,361,011	1.609646027	43	0 %	9.6 %
4	Latin America and the Caribbean	653,962,331	0.9 %	5,841,374	32	20,139,378	-521,499	2.044660431	31	0 %	8.4 %
5	Northern America	368,869,647	0.62 %	2,268,683	20	18,651,660	1,196,400	1.75268862	39	0 %	4.7 %
6	Oceania	42,677,813	1.31 %	549,778	5	8,486,460	156,226	2.357006916	33	0 %	0.5 %

[17 % of the total world population]

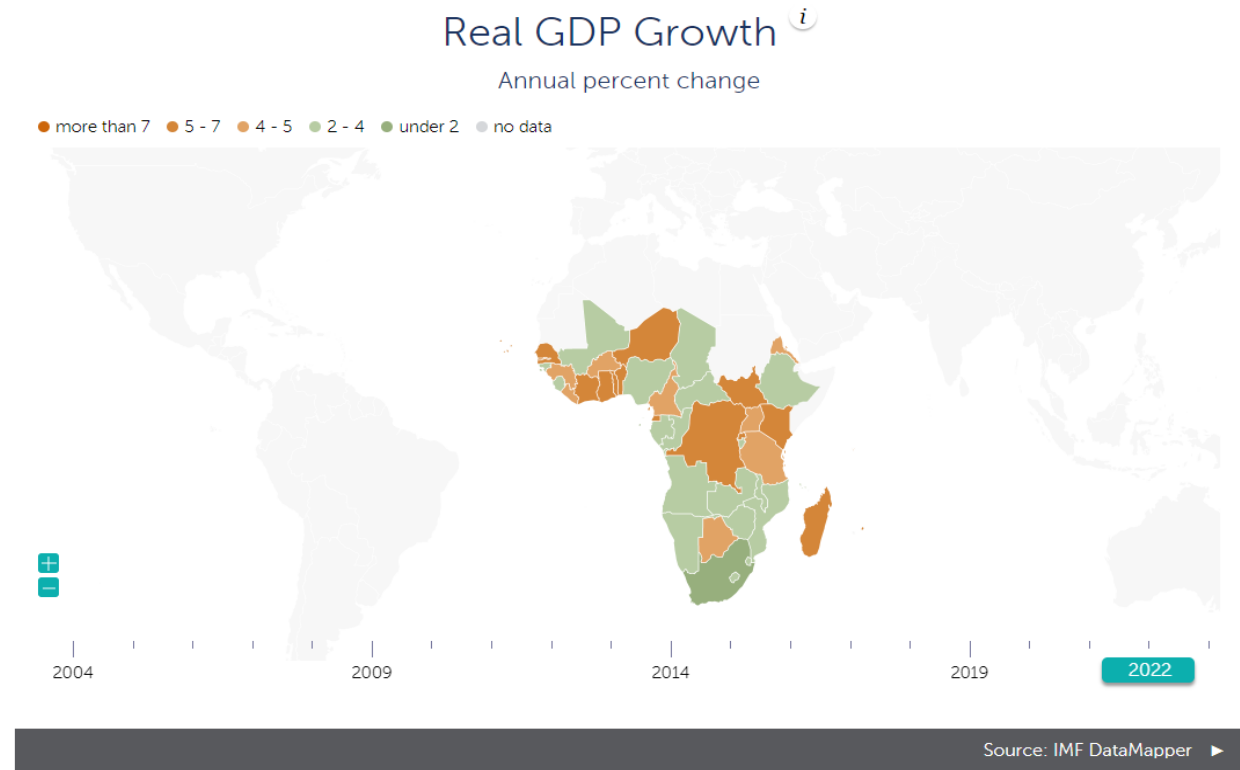
World Population by Region in 1950

#	Region	Population (1950)	World Share
1	Asia	1,404,909,021	55.4 %
2	Europe	549,328,883	21.7 %
3	Africa	227,794,136	9 %
4	Northern America	172,602,624	6.8 %
5	Latin America and the Caribbean	168,820,620	6.7 %
6	Oceania	12,975,865	0.5 %

World Population by Region in 2050

#	Region	Population (2050)	World Share
1	Asia	5,290,263,118	54.3 %
2	 Africa	2,489,275,458	25.6 %
3	 Latin America and the Caribbean	762,432,366	7.8 %
4	 Europe	710,486,313	7.3 %
5	Northern America	425,200,368	4.4 %
6	 Oceania	57,376,367	0.6 %

1. GDP growth >4% in almost 50 % of the continent
2. Africa as the future economic growth engine of the world*



AFRICA ECONOMICS

- [Regional Economic Outlook for Sub-Saharan Africa, April 2022 \(imf.org\)](#)
- [Economy of Africa - Wikipedia](#)

- Positive trends for global life expectancy, healthy life expectancy, mortality, and universal health coverage in Sub-Saharan Africa with growing burden of non-communicable diseases and injuries.
- Increase in live births (23.7% in 1990 compared to 27.1% in 2019) and a reduction in deaths in children under five years (4% (2010-2019))
- Increase of life expectancy at 64.5 years (2019). Due to the strong, long-term global policies and strategies focused on communicable diseases, maternal, neonatal, and nutritional health.
- Rapid epidemiological transition in the profile of disease burden dominated by non-communicable diseases and injuries increasing from 37.8% - 66.0% disability-adjusted life-years (DALYs) (1990-2019).
- Increase in the effective universal health coverage index 2.6% [1.9–3.3] per year since 2010, but mostly oriented to communicable diseases

AFRICA DISEASES BURDEN

■ Background

- Africa, a highly vulnerable continent due to:
 - ▣ Inadequate medical and health capacity
 - ▣ Inadequate health infrastructures
 - ▣ Poor access to medicines, vaccines and diagnostics.
- Early epidemics detection, treatment and prevention, and researchers' capacity building, good infrastructure are vital and critical
- Early medical discovery requires availability of trained professionals thus developing clear paths, defining required competencies and validating staff qualifications is needed
- To improve the shortage in trained professionals and enhance the opportunity of building capability in the continent, establishing a clinical trial network is required.



JAPAN - AFRICA CLINICAL TRIAL NETWORK

■ Background

- The 8th Tokyo International Conference on African Development (TICAD8) to be held on 27-29 August, 2022 in Tunisia still emphasize that Japan will continue to strongly support African-led development.



OBJECTIVES

- To develop sustainable endogenous capacity for medical discovery and translational research in Africa through integrated training, collaborative research programs and network development.
- To achieve the United National Sustainable Development Goals
- To participate in the global health efforts to reduce the health burden of the population around the world.

JAPAN - AFRICA CLINICAL TRIAL NETWORK

- **GOAL:** connection between ARISE and other African Regional Academic Networks

- Centre for Innovative Drug Development & Therapeutic Trials for Africa (CDT-Africa: Addis Ababa University)
- French speaking African clinical trials network (University of Kinshasa and partners) and CANTAM (Central Africa Network on Tuberculosis, HIV/AiDS and Malaria).
- El Hassan Center for Neglected Tropical Disease Clinical Trials and The Mycetoma Research Center, University of Khartoum
- DNDi

*CDT-Africa (Center for Innovative Drug Development and Therapeutic Trials for Africa is one of the Eastern and Southern Africa Higher Education Centres of Excellence part of [ACE – African Higher Education Centres of Excellence](#) (funded by World Bank)

**The European & Developing Countries Clinical Trials Partnership (EDCTP) is a public-public partnership between countries in Europe and sub-Saharan Africa, supported by the European Union.

EXPECTED FIRST LINE STAKEHOLDERS



MULTI-REGIONAL
CLINICAL TRIALS
THE MRCT CENTER OF
BROOKLYN AND WOMEN'S HOSPITAL
11101 UNIVERSITY



ARISE

-  **CANTAM₃**
Central Africa Clinical Research Network
Congo
[Read more](#)
-  **EACCR**
Eastern Africa Consortium for Clinical
Research II
Uganda
[Read more](#)
-  **TESA**
Trials of Excellence in Southern Africa II
Mozambique
[Read more](#)
-  **WANETAM**
West African Network for TB, AIDS and Malaria
Senegal
[Read more](#)

European Clinical Research Infrastructure Network (ECRIN),
Clinical Research Initiative for Global Health (CRIGH)
CDT-Africa (Center for Innovative Drug Development and Therapeutic Trials for Africa)
The European & Developing Countries Clinical Trials Partnership (EDCTP)

ARO Alliance for ASEAN & East Asia (ARISE)
Mycetoma Research Center (MRC)
Japan International Cooperation Agency (JICA)
Japan Pharmaceutical Manufacturers Association (JPMA)

Pharmaceuticals and Medical Devices Agency (PMDA)
Japan Agency for Medical Research and Development (AMED) 8

SHORT-TERM PLANNED ACTIVITIES

Clinical research Workshops University of Kinshasa and University of Khartoum & CDT AFRICA

Joint conference ARISE-AFRICA

Study on clinical trials capabilities in French speaking countries

Strategic meeting (Supervisors meeting): Projections to the future!!!



THANK YOU