



大学の世界展開力強化事業  
プラネタリーヘルスの実現に向けた  
日ア戦略的共同教育プログラム  
(PHASE プログラム)

Planetary Health Africa-Japan Strategic and  
Collaborative Education (PHASE) Program

# To Realize the Planetary Health From Nagasaki, to Africa and the World

## Planetary Health

Promote education, research, and human resource development aimed at addressing and contributing to global issues.

## Internationalization of Campus

Acquire a border less perspective and thinking through collaboration between Japanese and African universities

## Human Resource Development

Nurture and produce the next generation of human resources with advanced problem-solving skills for the realization of Planetary Health.

Message from the President



Message from the Dean

Graduate School of Biomedical  
Sciences



Message from the Program  
Coordinator



## PARTNERS



MASENO UNIVERSITY  
Republic of Kenya



JOMO KENYATTA UNIVERSITY OF  
AGRICULTURE AND TECHNOLOGY  
Republic of Kenya



KENYATTA UNIVERSITY  
Republic of Kenya



KENYA MEDICAL RESEARCH INSTITUTE  
Republic of Kenya

## Greetings

HOME / ご挨拶 / KOHNO Shigeru, the President of Nagasaki University

2021.3.22

### KOHNO Shigeru, the President of Nagasaki University



#### 「Nagasaki University contributing to “Planetary Health”」

“Nagasaki University aims to be a university that contributes to Planetary Health.” This is the new vision of Nagasaki University that I presented in 2020.

What do you think of when you hear ‘Planetary Health’? Some may think it sounds a little abstract. However, since I became president, I have been thinking about how Nagasaki University should contribute to the future, which is summarized by the phrase “Planetary Health.”

I feel that the environment of our planet Earth is falling into a critical condition, in other words, our planetary health is in jeopardy. If we imagine the Earth as a person, it resembles someone who has fallen ill and is in need of treatment. What is threatening planetary health?

From the global perspective, these threats include infectious diseases that cause global pandemics, environmental problems, political issues, including international conflicts, and nuclear weapons. From the local perspective, these threats are population decline, social security, economic disparities, and educational problems. These global and local threats are interconnected in a complicated way and adversely affect planetary health, either directly or indirectly.

Are we forced to settle for this situation? I do not think so. We caused the problem but I believe that we can repair the damage. The solution is not beyond our current knowledge of science. What is important is to start now.

Nagasaki University intends to work on complex global issues by taking advantage of the strengths of a comprehensive university and bringing our expertise from various academic fields.

In 2020, Nagasaki University launched the “Planetary Health Africa-Japan Strategic and Collaborative Education Program (PHASE Program)” funded by the Ministry of Education, Culture, Sports, Science and Technology (MEXT) as part of the Inter-University Exchange Project. With this program, we aim to develop human resources who can contribute to planetary health.

## Greetings

[HOME](#) / [ご挨拶](#) / KAWAKAMI Atsushi, the Dean of Graduate School of Biomedical Sciences

📅 2021.3.22

### KAWAKAMI Atsushi, the Dean of Graduate School of Biomedical Sciences



#### **[Educating professionals who can solve global problems through interdisciplinary learning and multicultural dialogue]**

Nagasaki University, a university dedicated to the “Planetary Health” vision, started a program called “Planetary Health Africa-Japan Strategic and Collaborative Education (PHASE) Program” in 2021. This program aims to educate professionals who can play an active role in the wider world community and enhance the university’s education capacities for global leadership as a part of the Inter-University Exchange Project funded by the Ministry of Education, Culture, Sports, Science and Technology (MEXT).

Restoring planetary health is a global issue. To address this issue, we need to share expertise and gradually understand the differences across many environments and cultures. The PHASE program will build an inter-university network for Japan and Africa to work together to realize planetary health and cultivate professionals who can solve global problems, and who can become a bridge between Japan and Africa.

To train professionals, we offer exchange programs for students who have grown up in different surroundings in Africa and Japan. These students, who have received specialized education at our respective universities, will work together on activities to address global issues from the perspective of planetary health. For example, with the online exchange program, students will explore the theme of multicultural coexistence and acquire the communication skills necessary to create a bridge of understanding between Japan and Kenya. With the short-term exchange program, we will welcome students and professors from Kenyan universities to Japan to showcase the advances in marine energy and telemedicine developed by Nagasaki University on remote islands in Nagasaki Prefecture. In turn, students and professors from Nagasaki University will travel to Kenya study recent developments in the fields of infectious diseases and social medicine in Africa.

Nagasaki University, through the PHASE program, will educate the next generation who can engage with global issues and improve planetary health. If you would like to contribute to the environment of our planet Earth, please join Nagasaki University. I am looking forward to learning with you.

# Vision

HOME / Vision

## Planetary Health

We, Nagasaki University hope to create new knowledge sources from a multi-perspective approach, drawing from the existing wisdom in the fields and domains working on



## Infectious disease

Fight against unknown infectious diseases



Diagnosis / Treatment / Prevention  
Civilization/Prejudice · Discrimination  
Vaccine development  
Residential / Working environment

## EcoHealth

What is the optimal global environment ?



Fisheries Agricultural environment and economy Environmental harmony  
Fisheries resource protection / Aquaculture technology  
Water Resources / Urban Environment / Marginal Village / PM2.5 /  
Energy Policy / Environmental Analytical Chemistry  
Green Chemistry / Energy Saving Energy

## Marine Environment

What is the future of the ocean ?



offshore wind power generation + Farm-raised Next  
Generation Aquaculture Strategy Conference /  
Hydrosphere Chemical Algae / Unused Fisheries Energy  
Water environment / Biopollution / Toxic substances  
Current power generation / Next-generation plastic

## Peace

Thinking about planetary health in Nagasaki, the last  
bombed place



Nuclear and climate change Radiation / Fukushima  
+ Chernobyl Continuity of peace education  
Economic recovery  
World Conflict / Cause / Background



## Internationalization

We have staffs who have sufficient English ability to communicate with international faculty members and students, and by increasing the number of classes in English, we are building an educational environment where Japanese and international students can study together to promote educational research which can be foundation of nurturing global human resources. Also, we have opened a new website in both Japanese and English for smartphones to actively offer information. Moreover, we have abundant experience and knowledge in accepting international students from Africa, and we can smoothly deal with the acceptance of Kenyan international students in this project.



## Training

○Global Human Resource project outcomes○

This program will provide graduates that can be:

- Bridges between Japan and Africa, who can take leadership responsibilities and develop friendship activities
- Scientists who can flexibly adopt new technologies and innovative ideas to solve global issues
- Practitioners who can understand the environmental and cultural differences between Japan and Africa, think together about issues related to planetary health, and engage in activities to solve them
- Organizers who can spontaneously and sustainably develop the community formed by the PHASE Program

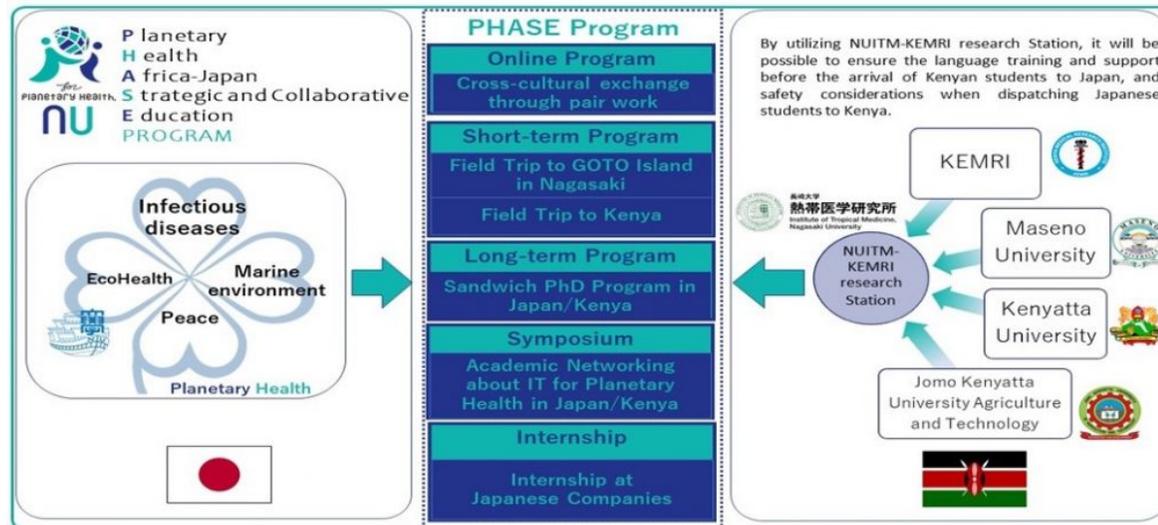


# Program

HOME / Program

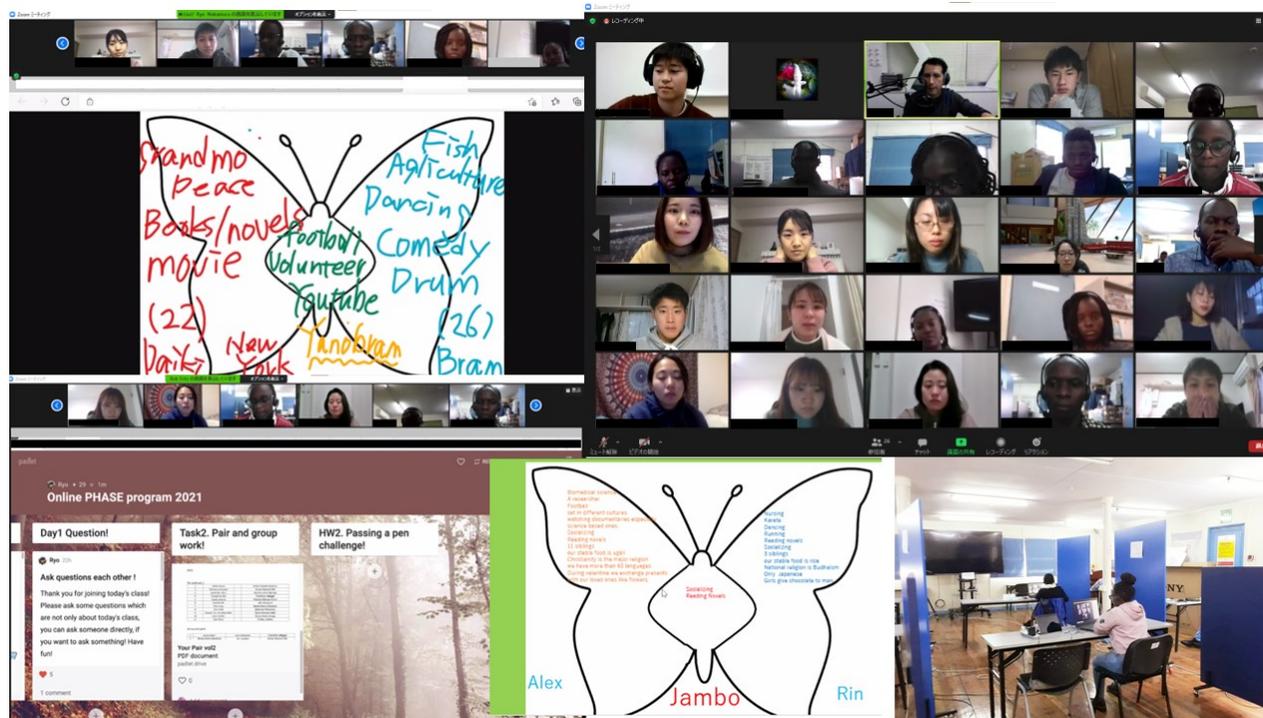
## PROGRAM

Student Exchange Program aims to solve global political issues by students from Japan and Africa !



## Online Exchange Program

While utilizing the experience of international collaborative education at Nagasaki University, we introduce Collaborative Online International Learning (COIL) using online tools (Zoom, Padlet, Miro, etc.), and implement a project-based learning program that balances individualized learning and collaborative learning. Then, by assigning foreign online Pedagogy specialist, Japanese students and Kenyan students collaborate to share social, cultural, and economic awareness and design lessons to learn from each other. Also, this online program aims to solve global issues by participating in lectures and programs on the four themes of planetary health and working hard with students of the same generation who have different backgrounds.





## Short Term Exchange Program

Focusing on the similarities between Nagasaki, which has remote islands, and Africa, which has many remote areas, we offer the study on remote island such as medical care by utilizing Information and Communication Technology on Goto islands, fishing industry, and offshore wind power in Nagasaki. In Kenya, we will visit remote education and research field managed by our university to learn about people's lives and society, as well as global health from different perspectives. Moreover, with the cooperation of companies, we will cultivate a multifaceted perspective on health care, the environment, resources, and technology, and bridge the issues to long-term training program.

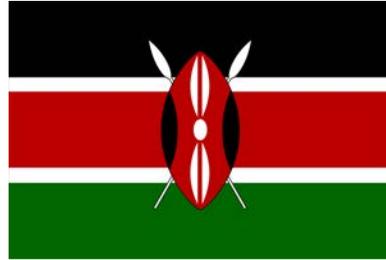
## Long Term Exchange Program

Utilizing the resources of Nagasaki University and partner universities in Kenya, we will implement high-quality programs by providing research fields for solving global issues and highly specialized guidance by faculty members from both Japan and Kenya.



## Symposium

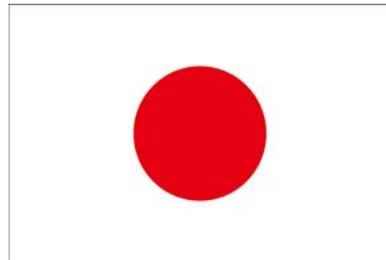
Students participating this project will join in the symposium of the JSPS ASIA-ATRICA Core to Core Project adopted in ZUZU, and make presentations at sessions held mainly by students.



**2022 will be held in Kenya**

[Frequent updates](#)

[Frequent updates](#)



**2023 will be held in Japan**

[Frequent updates](#)

[Frequent updates](#)



## Internship

We will implement training and internships at companies with which Nagasaki University has already collaborated.



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- TOP
- Greetings
- Vision
  - Planetary Health
  - Internationalization
  - Training
- INTER UNIVERSITY EXCHANGE PROJECT
  - MEXT
  - JSPS
- Program
  - Online Program
  - Short Program
  - Long Program
  - Symposium
  - Internship
- Partners
- about Nagasaki
  - Position
  - Sightseeing
  - Foods
  - Access
- NEWS
- Contact Us

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