

FY2020 Inter-University Exchange Project Yamaguchi University

Support for the Formation of Collaborative Programs with African Universities

【Name of project】(Adopted year: FY2020, (Type A①))

Veterinarian training program responsible for infectious disease control to solve One Health problem in Asia and Africa

【Summary of Inter-University Exchange Projects】

Exchange program between Japan and Kenya for veterinary education

Introduction of remote system (Undergraduates, Graduates)

Joint lectures, accreditation of credit transfer (Japan & Kenya)

Exchange inbound/outbound students

Undergraduates: Short-term program (approx.2 weeks)

Acquisition of global sense (Japan & Kenya)

Clinical practice (credit transfer) (Japan & Kenya)

Graduates: Long-term program (approx. 1-3 months)

Academic research in the field (Kenya)

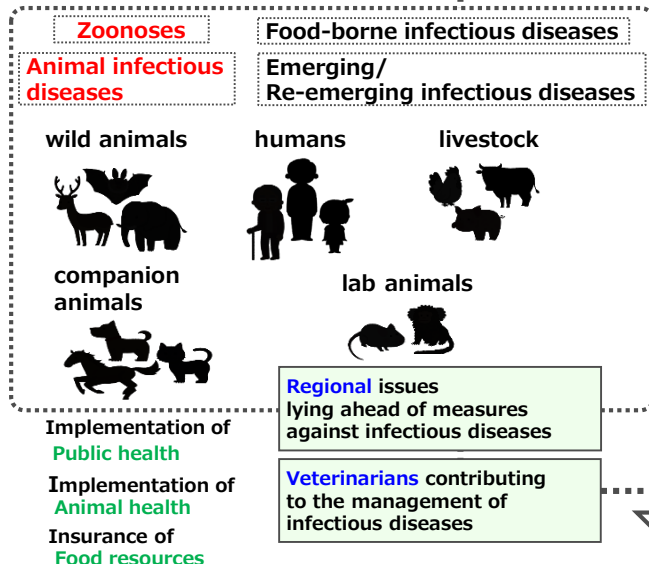
Cutting-edge research on infectious diseases (Japan)

Internship at companies and organizations

Visits and on-site training at companies in Yamaguchi and across the country, Public institution of Health, Animal clinics (Japan)

Visits and on-site training at Kenya Medical Research Institute, International Livestock Research Institute and veterinary clinics (Kenya)

One Health (Health of humans, animals and environment)
A global challenge to solve a concern of infectious diseases



Veterinarian training program responsible for infectious disease control to solve One Health problem in Asia and Africa

【Summary of Exchange program】

In this project, we aim to establish education program for veterinary medicine and to develop veterinary education and research in Asia and Africa in collaboration with the Faculty of Veterinary Medicine, University of Nairobi, focusing on “Infection diseases” that is an important topic among the “One Health” problems. Throughout this program, we lead students to veterinarians with a global point of view.

【Human Resources will be trained in this project】

Veterinarians work in various forms such as public health, domestic animal health, clinical vets, researchers and academics. In every field the principles are knowledge and skills of “One Health”, whose basis is the solution to infectious disease. The knowledge, skills and personal network acquired by the educational programs of our project will facilitate to train human resources, which contribute to the implementation of “One Health” from a global point of view with the expertise as vets. We will train students aiming to be researchers specialize especially in animal-borne emerging infectious diseases, and livestock infectious diseases. Our goal is to train human resources who can contribute to measure against infectious diseases from a broad perspective, basic and applicable research in lab and out in the fieldwork, both in Japan and Africa.

【Feature of this project】

- Joint lectures and group discussions by remote system
- People-to-people exchange and training at both universities (undergraduates, graduates and young researchers)
- Internship at cooperative companies and organizations
- Accreditation of credit transfer and establishment of common grade evaluation system

【Expected number of exchange students】

		2020	2021	2022	2023	2024
Out bound	Students studying abroad	/	6	6	6	6
	Students taking online international education and exchange programs in their home countries	0	10	10	10	10
In Bound	Students studying abroad	/	6	6	6	6
	Students taking online international education and exchange programs in their home countries	0	10	10	10	10

1. FY2020 Progress

【Name of project】(Adopted year: FY2020, (Type A)

Veterinarian training program responsible for infectious disease control to solve One Health problem in Asia and Africa

■ Exchange Programs



In 2020, the basic curriculum “Vet international infectious diseases courses” was developed and related committees were organized. Remote lecture system was introduced in Yamaguchi University (YU) to implement the project from 2021.

Websites on this project have been opened newly and the brochure was issued for publicity. The Kick-off symposium was held in March 2021.

〈 Kick-off Symposium in March, 2021〉

Student-Mobility

○ Outbound

YU finished document preparation for recruitment of YU-side participants as we start to dispatch students to University of Nairobi in FY2021.

○ Inbound

University of Nairobi distributed the outline of this project to perspectives and academic staff for recruitment as YU starts to accept their students in FY2021.

	2020	
	Plan	Results
Outbound	0	0
Inbound	0	0

■ Forming the University Network with Quality Assurance

At developing the “Vet international infectious diseases courses” focused on infectious diseases; problem both in Asia and Africa, we organized the following committees and got ready to promote this project.

- Project Promotion Committee: deliberate the progress management of project
- Steering Committee: discuss and decide contents of curriculum, assessment, credits approval, and etc.
- External Evaluation Committee: organize with outside experts and make suggestions for program assessment and improvement
- Self-evaluation Committee: organize with university members and make suggestions for program assessment and improvement

■ Promotion of Student-Mobility Environment

- We improved the checklist based on “YU Crisis Management Manual for study abroad” for the crisis management head quarter member. It lets us to cope with a crisis securely if it occurs.
- We developed the outbound management system. It is able for us to catch up student situation promptly if a crisis occurs.

■ Internationalization of the university, Information disclosure and Publication of outcome

- Opened websites on this project both in Japanese and English
- Issued the brochure for public relations

■ Good Practices

We held the Kick-off symposium in March 2021. At this symposium, the professor of University of Nairobi, in charge of this project, participated online and introduced his faculty. Furthermore, Dr. KANBE gave the special lecture and showed his various experiences during working on medical and research activities as a veterinarian for 40 years in Africa. Through this symposium, the participants learned the importance of understanding the local cultural background and the students fostered their mindset toward active participating in on-site study and research.



〈previous on-site research activities〉

2. FY2021 Progress

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■ Exchange Programs



Vet international infectious diseases courses

“Vet international infectious diseases courses” started

- Established “Vet international infectious diseases courses ” to study public health, livestock hygiene, Zoonotic infectious diseases in Japan and Africa.
- Lectures were conducted in English by faculties from both Yamaguchi University(YU) and the University of Nairobi on demand.
- 19 students of YU and 8 students of the University of Nairobi attended the lectures.

Student-Mobility

Both Inbound and outbound were canceled, due to COVID-19.

Alternatively, hold a workshop for cultivating problem-solving skills.

	2021	
	Plan	Results
Outbound	16	19
Inbound	16	8

【Outcome】

- From the lectures of each university, students learned local actual circumstances in mutual country that they have never studied in regular classes.
- By understanding the current situation and issues of infectious diseases in each country and considering measures to deal with the one-health problem, both students clarified the themes to be addressed when studying abroad in the next fiscal year.

■ Forming the University Network with Quality Assurance

Conclusion of the Student Exchange Agreement

- Concluded the Student Exchange Agreement based on the Memorandum Of Understanding between the two universities on February 3, 2022.

Holding various committees

- The self-evaluation committee, the external evaluation committee, and the project promotion committee were held to summarize and evaluate the progress of program in FY 2021.

【Outcome】

- It became possible to accept the University of Nairobi students as special auditing students, and they have been able to attend lectures online and get credits.
- We improved the program toward the next fiscal year by creating a self-evaluation report and received guidance and advice from external experts based on the report.

■ Promotion of Student-Mobility Environment

Developing “YU Overseas Crisis Management Action Manual”

We have made “YU Overseas Crisis Management Action Manual” based on the checklist corresponding to “YU Crisis Management Manual for study abroad” made last year, to strengthen the crisis management system, so that we can take appropriate actions when a crisis occurs.

■ Internationalization of the university, Information disclosure and Publication of outcome

We have disclosed our activities on the program website.

■ Good Practices

Implementation of workshop for cultivating problem-solving skills

- Working with a Japanese company based in Kenya that provides preventive medicine services, we hold a workshop to derive the solution for the local issues through a lecture from Japanese Master student enrolled in local graduate school and interviews with local staff of the company under the theme of Kenya’s one health.

【Outcome】

- In the final report, each student presented unique solutions.
- Students who attended the workshop increased their interest in Kenya and acquired the skills to learn actively.



The Workshop for cultivating problem-solving skills