

FY2020 Inter-University Exchange Project Utsunomiya University

Support for the Formation of Collaborative Programs with African Universities

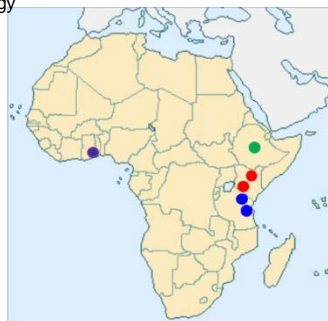
【Name of project】(Adopted year: FY2020, (Type A①))

Programme for Developing Human Resource to Contribute to SDGs by Merging African Potential and Japanese Scientific Technology

【Summary of Inter-University Exchange Projects】

- Establishment of high-productivity agriculture based on molecular agriculture and smart agriculture
- Construction of sustainable local communities based on high-productivity agriculture

- (Kenya) Jomo Kenyatta University of Agriculture and Technology
- (Kenya) Meru University of Science and Technology
- (Ethiopia) Addis Ababa University
- (Tanzania) University of Dar es Salaam
- (Tanzania) Nelson Mandela African Institution of Science and Technology
- (Ghana) University of Ghana



Complementary education in line with the 17 Sustainable Development Goals

SDG 1-9 : Challenges of Africa
SDG 11-15 : Challenges of Japan



Graduate School of Regional Development and Creativity (GRDC)
Education and research integrating liberal arts and sciences

Establishment of high-productivity agriculture

- Graduate Program in Molecular Agriculture
- Graduate Program in Agricultural Biological Chemistry
- Graduate Program in Agricultural and Environmental Sciences

Construction of sustainable local communities

- Graduate Program in Agricultural and Rural Economics
- Graduate Program in Irrigation, Drainage and Rural Engineering
- Graduate Program in Global and Area Studies

Short / Long term exchange program : 3 months ~ 1 year

Summer / Spring program : 2 weeks

Short term internship program (carried out at companies in Tochigi prefecture and Japanese companies in Africa) : 3 weeks

【Summary of Exchange program】

Education and research integrating liberal arts and sciences
The GRDC is a division which enables creation and challenge to the new field.

Promotion of an understanding of local communities
We will approach based on an understanding of the social structure of local communities and focus on its potential. Based on the understanding, we will make good use of molecular agriculture and smart agriculture technology and establish high-productivity agriculture which will improve the food production rapidly, and construct a system of distribution, processing, and sales based on it. We will develop global highly specialized professionals who can contribute to the sustainable development of local communities.

Cooperation with companies
We will cooperate with companies in Tochigi prefecture and Japanese companies in Africa, and provide opportunities for improving practical skills through fieldwork and internship.

Promoted by GRDC, Utsunomiya University



SUSTAINABLE DEVELOPMENT GOALS

Programs of high-productivity agriculture

Conducted in Graduate Programs in Molecular Agriculture, in Agricultural Biological Chemistry, and in Agricultural and Environmental Sciences of the GRDC with a focus on molecular agriculture and smart agriculture

Programs aimed at sustainable development of local communities

Conducted in Graduate Programs in Agricultural and Rural Economics, in Irrigation, Drainage and Rural Engineering, and in Global and Area Studies of the GRDC

Human resource development which can contribute to SDGs

We will make a Potential-finding, Problem solving Project team related to SDGs with exchange students from Africa and Japanese students, and contribute to making policy by learning from related lectures, and contribute to the establishment of high-productivity agriculture in Africa.

【Global Human Resource on the project】

This program aims to develop global highly specialized professionals who can understand the social structure and potential of local communities in Africa, establish high-productivity agriculture including a system of distribution, processing and sales, and contribute to the sustainable development of Japan and Africa. The program will be conducted in the educational programs based on Agriculture and International Studies of the GRDC at Utsunomiya University. The GRDC is characterized by the education and research integrating liberal arts and sciences.

【Feature on the project】

Firstly, this program will focus on high-productivity agriculture and be conducted in the Graduate Programs in Molecular Agriculture, in Agricultural Biological Chemistry, and in Agricultural and Environmental Sciences of the GRDC, which is centered on molecular agriculture and smart agriculture. Secondly, this program will aim at the sustainable development of local communities in African countries through the construction of a system of distribution, processing, and sales based on the potential and high-productivity agriculture in Africa. In cooperation with the universities and institution in Japan and Africa, this program aims to develop highly specialized human resources who can contribute to the sustainable development of local communities by constructing a system of distribution, processing and sales in Africa based on the understanding of the social structure of local communities, the practical use of the potential, and the establishment of high-productivity agriculture which improves the food production rapidly by using biotechnology and smart agriculture. Therefore, this program is characterized by developing global highly specialized professionals who have a thorough technique and knowledge of multiple academic fields not only agricultural science but also engineering, business administration, area studies, international development studies, jurisprudence, and sociology, which are necessary to establish high-productivity agriculture.

【Exchange number】

		2020	2021	2022	2023	2024
Out bound	Students studying abroad	0	2	3	6	6
	Students taking online international education and exchange programs in their home countries	0	5	10	15	15
In bound	Students studying abroad	0	2	3	6	6
	Students taking online international education and exchange programs in their home countries	0	5	10	15	15