

HOKKAIDO × ZAMBIA



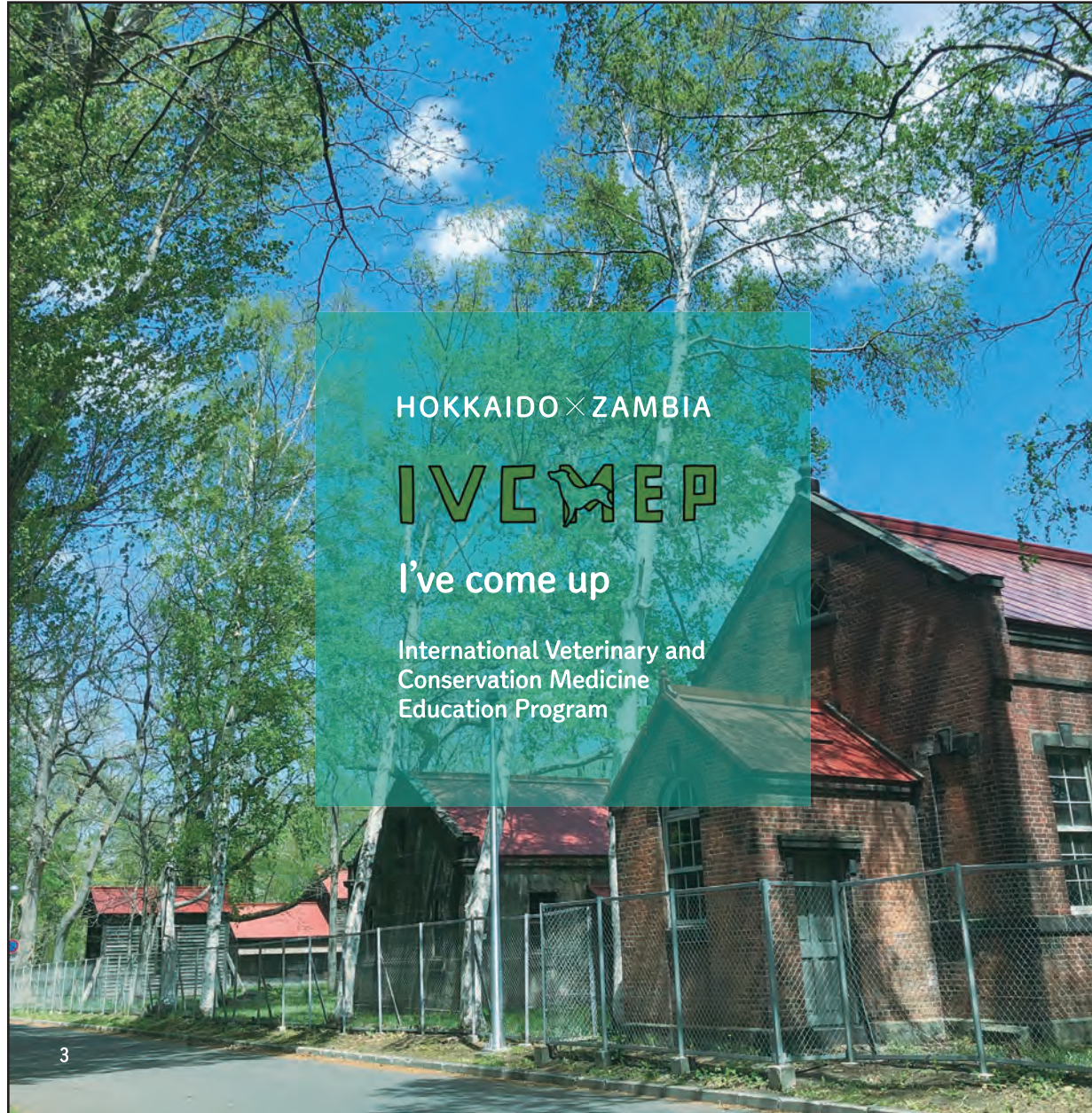
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International Veterinary and
Conservation Medicine
Education Program

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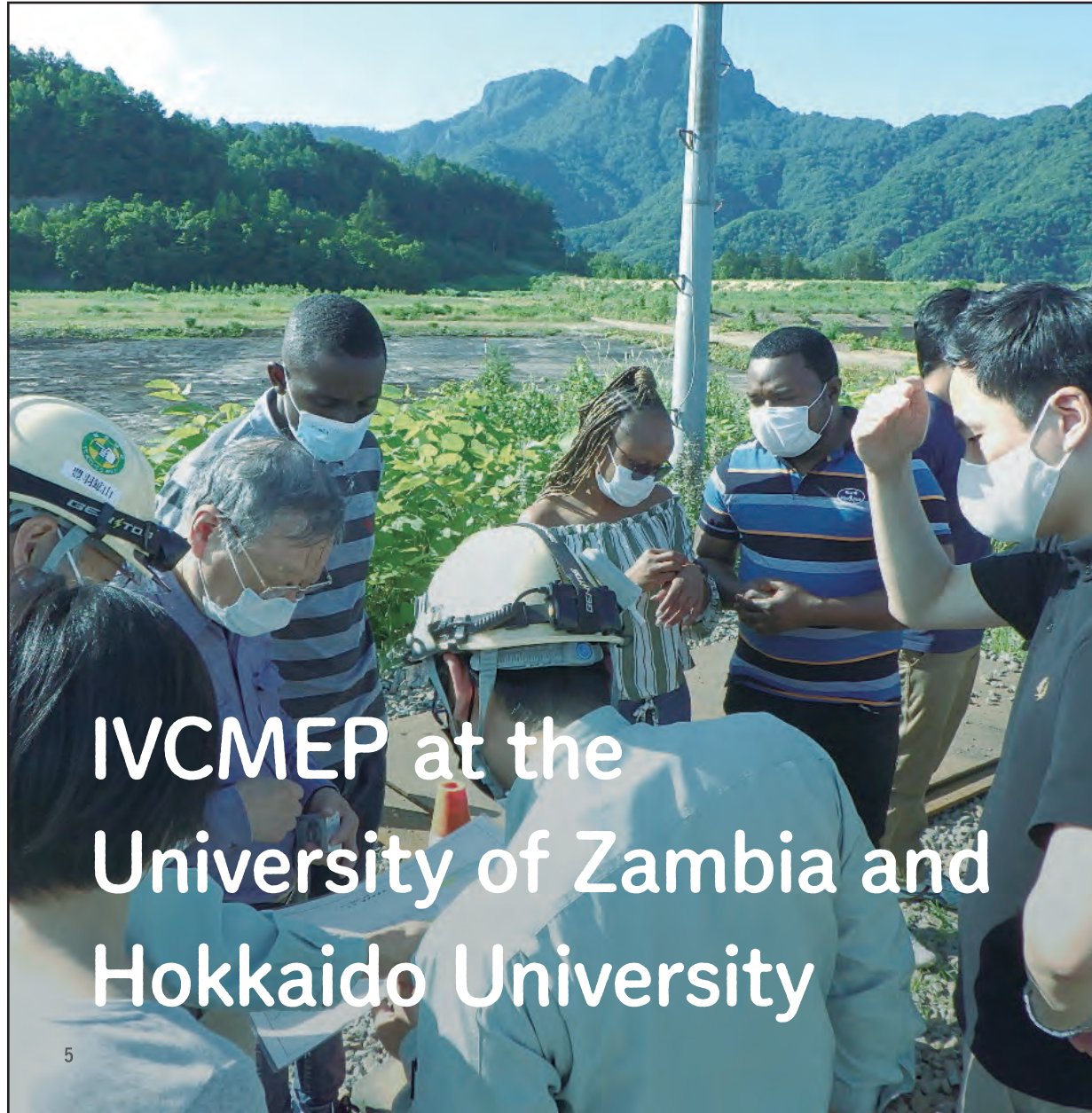
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What is the Inter-University Exchange Project (Africa)?

This program is a project implemented by the Ministry of Education, Culture, Sports, Science and Technology (MEXT) of Japan that aims to train scholars who can play an active role on the international stage and to strengthen the international capabilities of university education. Every year, exchange programs take place between Japan and various regions and countries, and beginning in the 2020 academic year, exchange programs with Africa are also finally being offered.





IVCMEP at the University of Zambia and Hokkaido University

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Conservation medicine is a new academic field that has spread rapidly around the world since 2000. Environmental changes caused by human activities and the health problems caused by infectious diseases and pollutants are issues that need to be solved worldwide. Conservation medicine is based on the concept of One Health, which considers "health" to be the health of humans, animals, ecosystems, society, and the entire planet. To promote conservation medicine, it is necessary to encourage cooperation between various fields, including medicine, ecology, veterinary medicine, engineering, agriculture, economics, earth science, informatics, literature, and anthropology. These fields are interdisciplinary and diverse, transcending the boundaries between humanities and sciences.

Under the "Inter-University Exchange Project by MEXT," Hokkaido University will implement an international educational exchange program for graduate students interested in international conservation medicine. The program will be conducted with the University of Zambia, which has a history of about 40 years of exchange with Hokkaido University. Students from the University of Zambia who come to study in Japan will gain access to Japanese laboratories and be exposed to cutting-edge research in conservation medicine.

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What kind of
human resources
are you trying to develop?

While focusing on field research, which is one of the characteristics of Hokkaido University, we aim to train and cultivate the following student:

who are willing to engage in future collaborations between Africa and Japan, with the awareness that promoting this collaboration will contribute to solving global infectious disease, environmental, and food production problems.

who not only have excellent knowledge and skills in their specialized fields, but also have excellent international sensibilities, who can actively collaborate with people from different fields and overlook international conflicts to contribute to One Health.

who can communicate with veterinary universities, research institutes, government agencies, hospitals, and companies in various countries with the aim of controlling infectious diseases, protecting the environment, and ensuring food safety.

What kinds of classes and exchange programs will be offered?

Each year, eight students will travel from Japan to Zambia, and four students will travel from Zambia to Japan. Conservation medicine is an interdisciplinary field that requires collaboration among various academic fields. Therefore, there are no academic barriers in this program. Students from various disciplines will work together to tackle issues. Students from Hokkaido University will be from various fields, and applications will be accepted through open recruitment.

This program is scheduled to take place during the summer (depending on the situation, the program dates may be changed). Before going to the field, the participants will learn the basics of conservation medicine, the culture of each country of destination, risk management strategies overseas, and the language. After the completion of the preliminary studies, the conservation medicine class will finally begin.



Students travelling to Japan from Zambia will be exposed to the latest research in conservation medicine in a laboratory stay/rotation format. They will also participate in lectures, practical training.

Students will stay in Japan for two weeks. During this short time period, the students will take classes that introduce the basis for conservation medicine, collaborate with students from different fields, and visit local institutions that are engaged in international activities to acquire the foundation needed for tackling global issues from a research perspective. For details, please refer to the syllabus.

Class plan

※ Contents are subject to change depending on circumstances.

Style (number of students)		3 days (pre-research) 0.5 credits	1 week (joint education) 1 credit	1 week (joint education) 1 credit	2 days (follow-up training) 0.5 credits
Japan to Zambia	In Zambia (8)	Sub-Saharan Interdisciplinary Exchange Studies I (including Academic English Class) General Risk Management	International Veterinary and Conservation Medicine Education Program I Overseas Field Training in Infectious Diseases Internship	International Education Program in Veterinary Medicine and Conservation Medicine II Exercise in Wildlife Management Sub-Saharan Ecology and Conservation Case Study	Sub-Saharan Interdisciplinary Exchange Studies II (including Academic English Class)
	Online (10)	Sub-Saharan Interdisciplinary Exchange Studies I (including Academic English Class) General Risk Management	International Veterinary and Conservation Medicine Education Program I Overseas Field Training in Infectious Diseases Internship	International Veterinary Medicine and Conservation Medicine Education Program II One Health Seminar Sub-Saharan Ecology and Conservation Seminar	Sub-Saharan Interdisciplinary Exchange Studies II (including Academic English Class)
Zambia to Japan	In Japan (4)	Japan Interdisciplinary Exchange Studies I (including Japanese Language Education Program) Risk Management	International Veterinary and Conservation Medicine Education Program III Lab Rotation Research Infectious Disease Control Chemical Hazard Control	International Veterinary Medicine and Conservation Medicine Education Program IV Lab-Stay Research Exercise Research Workshop Internship	Japanese Interdisciplinary Exchange Studies II (including Japanese Language Education Program)
	Online (10)	Japan Interdisciplinary Exchange Studies I (including Japanese Language Education Program) Risk Management	International Veterinary Medicine and Conservation Medicine Education Program III Infectious Disease Control Chemical Hazard Control Investigation, Assessment, and Remediation of Environmental Pollution	International Veterinary Medicine and Conservation Medicine Education Program IV Specialist Training in Infectious Disease Control Investigation, Evaluation, and Remediation of Environmental Pollution Research Workshop	Japanese Interdisciplinary Exchange Studies II (including Japanese Language Education Program)



Glossary of Terms

One Health

"One World, One Health" is a concept that expresses how overall health can be evaluated in the relationship between humans, animals, and the environment. The term originated from an international conference on the current status and potential spread of infectious diseases among humans, animals, and wildlife, which took place in Manhattan, New York City in September 2004. One Health is also known as the Manhattan Principles.

Conservation medicine

A discipline that considers anthropogenic environmental changes and their associated health problems as health problems for humans and for animals, ecosystems, and the environment as a whole. The field aims to study the relationships between these health effects and their causes.

Inter-University Exchange Project

A project launched by the Ministry of Education, Culture, Sports, Science and Technology (MEXT) in 2011 to support international academic collaboration between universities in target countries and regions that strategically accept Japanese and foreign students in study-abroad programs. The project guarantees a quality of higher education, with the aims of developing global scholars who can play an active role internationally and strengthening global capabilities at the university level.

Competency

Behavioral characteristics, such as specialized knowledge, skills, know-how, and basic abilities that enable a person to achieve excellent results in his/her job or role.

Rubric

A table of criteria used to evaluate learning achievement that consists of different assessment areas and grading criteria.

Conservation Medicine Education Program Q & A

Q What kind of classes will I take in Japan?

A You will study in laboratories at Hokkaido University, where you will be exposed to research in conservation medicine. We also plan to offer intensive summer classes to students.

Q How are the pre- and post-learning activities conducted?

A There will be a total of five days of pre- and post-learning in Japan and online.

Q Where can I find out more about the program?

A The syllabus and other information will be posted on the program website.

Q Is this program only for graduate students, or can 5th- and 6th-year undergraduates in 6-year programs also participate?

A The program is open to students in both doctoral and graduate programs. Unfortunately, this program is not offered to students in undergraduate programs.

Q What do I need to do to prepare before I leave?

A After you have been selected for the program, you will be given guidance on the necessary preparations. Of course, you will need a passport and a visa.

Q I am a liberal arts major, so I haven't taken many science-related classes. Can I still participate?

A This program is open to both science and humanities majors. We will design the program so that students can actively tackle issues by applying the strengths from their respective fields.

Q I've never been abroad before. Isn't it too much of a hurdle to go to Africa/Japan suddenly?

A No, it is not. Hokkaido University has many international students from Zambia and from other countries in Africa. We provide support in English for daily life.

Q Is there anything I should be aware of in my destination?

A Of course, whether you are dispatched to Japan or Zambia, there are certain things to keep in mind, such as cultural customs and specific travel requirements/restrictions. We will give you guidance before your departure, and there are students and faculty members who will support you when you arrive to your destination, giving you instructions on what to keep in mind.

Q I don't speak Japanese at all. Will this be a problem?

A For this program, the classes will be conducted in English both in Japan and in Zambia. One of the objectives of this program is to provide an opportunity for students to learn about Japanese language and culture. This program is designed for students who do not speak Japanese, so please do not worry.



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