

Research Activity Report
Supported by “JSPS Core-to-Core Program(International Core of Excellence for Tropical Biodiversity Conservation focusing on Large Animal Studies)” “Leading Graduate Program in Primatology and Wildlife Science”

(Please be sure to submit this report after the trip that supported by CETbio,PWS.)

	2018.06.07
Affiliation/Positio	Master student/ School of Sociology and Anthropology, Sun Yat-sen University
Name	Gu Ningxin

1. Country/location of visit
Japan/Yakushima
2. Research project
Yakushima Field Science Course (The Distribution of Wild Yakushima Macaque in Yakushima Island)
3. Date (departing from/returning to Japan)
2018.05.19/2018.05.25
4. Main host researcher and affiliation
Pro. Goro Hanya; Primate Research Institute, Kyoto University.
5. Progress and results of your research/activity (You can attach extra pages if needed)
Please insert one or more pictures (to be publicly released). Below each picture, please provide a brief description.
<p>In the Yakushima field course of 2018 spring (2018.5.19-25), we have been through the whole process of field research despite the short time. Our research is mainly about the influence of land use and elevation on the distribution of Yakushima macaques (<i>Macaca fuscata yakui</i>), and we had collected the fecal samples for genetic analysis for the genome course later.</p> <p>During the course in Yakushima, we started from getting familiar with the environment and conducted a pre-survey on the second day, which is really important to decide or adjust the details of survey. And we learnt how to conduct a population census of monkey at the same time. Basically, we used the line-intercept method and both direct detection (including vocalization and witness) and indirect detection (presence of feces) were taken into consideration. And every transect line or sampling site is recorded by GPS. I used to attend a census of rhesus macaque in Neilingding island by point count method, and it's a good chance for me to explore different kinds of methods commonly used for population census. Then we collected data from all the members of monkey group and learnt to analyze it with QGIS and R. We've been through a hard time to organize all the data. Thanks to all the patience of our Luckily, we succeed in analyzing part of this year's data during the period of field course and we'll continue to work on all the data from 2017-2018. This experience makes me realized how important it is to have a standard and organizing data every day. Especially working in a big group, it is necessary to keeping our work consistent and ordered, and communication is also essential.</p>

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1. Yakushima macaques (*Macaca fuscata yakui*), with a newborn of 2018



2. Double rainbows after 1 day's census



6. Others

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I would like to express my appreciation to all the tutors and my teammates. They are so patient and nice that I learnt a lot from them. I would also like to appreciate all the staff who helped us with our life.