

**Research Activity Report**  
**Supported by “Leading Graduate Program in Primatology and Wildlife Science”**  
 (Please be sure to submit this report after the trip that supported by PWS.)

	2017.01.10
<b>Affiliation/Position</b>	Wildlife Research Center/M1
<b>Name</b>	Miho Tanaka

<b>1. Country/location of visit</b>
Kumamoto, Japan
<b>2. Research project</b>
Animal welfare course at the Kumamoto Sanctuary
<b>3. Date (departing from/returning to Japan)</b>
2016. 11. 14 – 2016. 11. 17 (4 days)
<b>4. Main host researcher and affiliation</b>
Dr. Hirata, Dr. Morimura, Dr. Yamanashi
<b>5. Progress and results of your research/activity</b> (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 this animal welfare course, we learned about the basics of animal welfare. "Enrichment" means changing good environments for captive animals. Enrichment has been given in zoos for various purposes by changing environments, prolonging foraging time and use of cognitive ability.</p> <p>We targeted on captive chimpanzees and bonobos in Kumamoto sanctuary.          We made the enrichment tools and constructed it in captive area. We observed the behavior and which tools they liked.</p> <p>11/14 pre-observation on chimpanzees and bonobos, the lecture for animal welfare, making enrichment tools          11/15 observation, construction of enrichment tools(in chimpanzees) and observation          11/16 construction of enrichment tools (in bonobos) and observation, training drone.          11/17 presentation</p> <p>We separated into three groups, and made enrichment tools.          One group made the tools of big board and big ball that come out of food. This tools were so big.          Chimpanzees liked this tools. Another group made long cylinders that consisted of many layer, food layers and sawdust layers. Apes had to use tools, for example a ladle, because this cylinders were so long. Our group made the envelopes and the ropes that attached foods. Our purpose was to induce foraging behavior for long time by hidden foods.</p> <p>I felt need of enrichment through this course. I thought the behavior of apes not so changed and enrichment tools was just officious by human. I observed that apes seemed to enjoy much. We need gentle treatment for captive animals with trial and error.</p>

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Chimpanzee enclosure



Checks of enrichment tools



**6. Others**

PWS supported this field course. I appreciated it.