

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.)

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| | 2019. October 26 |
| Affiliation/Position | Wildlife Research Center/M1 |
| Name | Hiroto Yoshimura |

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| 1. Country/location of visit |
| Kumamoto |
| 2. Research project |
| Animal Welfare course |
| 3. Date (departing from/returning to Japan) |
| October 21, 2019 to October 24, 2019 |
| 4. Main host researcher and affiliation |
| Kumamoto Sanctuary |
| 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 this course we designed an enrichment device for chimpanzees and bonobos in Kumamoto Sanctuary. Our team focused on maximizing use time. Chimpanzees and bonobos in KS are weekly experience receiving carton tubes filled with food. We put carton tubes into bigger plastic tube and blocked the entrance with rope not to allow them insert whole hand into the plastic tube. As a result, total use time was 150min for chimpanzees and 67min for bonobos. Interestingly, how to handle the device was different between 2 species as well as use time. Bonobos used devices more gently and sometimes used tools to pull out food in the carton tubes.</p> <p>This device based on their previous experience so use time should be different in naïve population. We plant to test the use time of this device in chimpanzees in Kyoto city zoo and compare the result.</p> |
| <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p>Fig. 1 : Making devices</p> </div> <div style="text-align: center;">  <p>Fig. 2 : Bonobo using device</p> </div> </div> |
| 6. Others |
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