


**Research Activity Report**  
Supported by “Leading Graduate Program in Primatology and Wildlife Science”

2018. 04. 25	
<b>Affiliation/Position</b>	Wildlife Research Center/D1
<b>Name</b>	Mi Yeon Kim

<b>1. Country/location of visit</b>
Japan/Kumamoto Sanctuary
<b>2. Research project</b>
Preliminary Research: Passive acoustic and associated behavior monitoring of finless porpoise at Mizumi Port.
<b>3. Date (departing from/returning to Japan)</b>
2018. 04.06 – 2018. 04.09 (4 days)
<b>4. Main host researcher and affiliation</b>
Dr. Morimura Naruki, Kumamoto Sanctuary, Kumamoto, Japan
<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.
There were two purposes for this trip. First, a discussion with Dr. Morimura at Kumamoto Sanctuary for the possible future research plans at Mizumi bay. Second was to place two A-tags to record vocalization of finless porpoise that visits Mizumi port.
The discussion with Dr. Morimura dealt with possible research schedule and research topics. First, we decided to conduct a preliminary analysis with the two months collection of passive acoustic data and synchronized behavior data using UAV (February and April). With the analysis available, we would like to prepare for the field work to begin in November 2018 to April 2019. A meeting with Dr. Morimura and Mr. Mori was also in place to discuss about the design of the acoustic buoy for Mizumi bay and how to collect the behavior data using a UAV.
Due to the weather I had to extend my stay in Kumamoto Sanctuary, however I was able to place two A-tags at the same locations from the previous data collection conducted by Kasumi Sakakibara. We also measured the size of the buoy currently used in attempt to estimate the body length of the finless porpoise that passes by the recording buoy.

Pictures (Left to Right): Illustration of acoustic buoy used in Jeju island, Korea shared with the Kumamoto members. A-tag ready to be placed in the water, and a satellite image of the location of the two A-tags and its size.
<b>6. Others</b>
I deeply appreciate the PWS for providing the means for me to visit Kumamoto and conduct this part of the research. I would also like to show my gratitude towards Dr. Morimura Naruki for organizing the trip and Mr. Mori and his family for helping with A-tag setup and landing us the place to attach A-tags. I appreciate my supervisor Prof. Kohshima Shiro and Prof. Tetsuro Matsuzawa for supporting this trip.