

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

2018. 05. 17	
Affiliation/Position	Wildlife Research Center/D1
Name	Mi Yeon Kim

1. Country/location of visit
Japan/Kumamoto Sanctuary
2. Research project
Preliminary Research: Passive acoustic and associated behavior monitoring of finless porpoise at Mizumi Port. Drone practice: Practice how to use DJI Grand Station, and Lichi to plan flights to create a HD map for Jeju field.
3. Date (departing from/returning to Japan)
2018. 05. 02 – 2018. 05. 03 (2 days)
4. Main host researcher and affiliation
Dr. Morimura Naruki, Kumamoto Sanctuary, Kumamoto, Japan
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>There were three purposes for this trip:</p> <ol style="list-style-type: none"> 1. Discussion with Dr. Morimura at Kumamoto Sanctuary for the possible future research plans at Mizumi bay. 2. Retrieve two A-tags to place at Mizumi port to collect high frequency sounds of finless porpoise. 3. Learn how to use Lichi planned flight and DJI Grand Station to create a drone map (High definition inshore habitat map) of Deajong, Jeju Island. <p>A-tags were retrieved from the buoy was cleaned to be brought back to Kyoto. We have discussed on analyzing the data as soon as possible to understand the possibility and limitation of the research method.</p> <p>Drone mosaic map is planned to be made for Micro-habitat study at Jeju Island, Republic of Korea. Therefore, Dr. Morimura taught how to use DJI Grand Station and Lichi planned flight to creating a map. Practice session was conducted to create a map of the Kumamoto Sanctuary.</p> <div style="display: flex; align-items: flex-start;"> <div style="flex: 1;">  </div> <div style="flex: 1;">  </div> <div style="flex: 1; padding-left: 20px;"> <p>Pictures (Left to Right): A-tag ready to be placed in the water, and a satellite image of the location of the two A-tags and its size.</p> </div> </div>
6. Others
<p>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.</p>