

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

2018. 07. 11

Affiliation/Position	Wildlife Research Center/D3
Name	Liu Jie

1. Country/location of visit
China, Liupanshui Yezong François’ langur Natural Reserve China, Mayang River National Natural Reserve
2. Research project
Pilot study on François’ langur in Liupanshui, Guizhou, China Cave-living behavior video recording and GPS data collection of specific locations on François’ langur in Mayang river NNR, Guizhou, China
3. Date (departing from/returning to Japan)
2018. 06. 17 – 2018. 07. 07 (19 days)
4. Main host researcher and affiliation
Wang Gui Affiliation/Position: Head of the station in Mayang River NNR Wang Jianhong Affiliation/Position: Professor in Kunming Institute of Zoology
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.
Guizhou Province’s Mayanghe NNR (E 108°3’58”–108°19’45”; N 28°37’30”–28°54’20”) was established in 1987 and covers 311.13 km ² . Mayanghe NNR is located in a monsoon-influenced humid subtropical climate zone, with an average annual rainfall of 1,158.7 mm, and 53.7% is indigenous fores. The reserve’s vegetative cover is mainly broadleaf evergreen forest. The largest metapopulation of François’ langur is currently found in this reserve The best way to determine the value of provisioning for François’ langurs is to compare data for groups that live in adjacent territories. This study focused on behavioral differences between a provisioned group (troop of semi-fed individuals; Ts) and a wild group (natural troop; Tn) of François’ langur in Mayanghe NNR, which has the largest François’ langur population; however, there have been relatively few studies on this primate in this area. During this trip to China: 1) I succeeded recording the cave-living behavior video of François’ langur by drone and camera, and collect GPS data of specific locations in the habitat of Tn and Ts in Mayang river NNR.

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François' langurs near the entrance to a cave

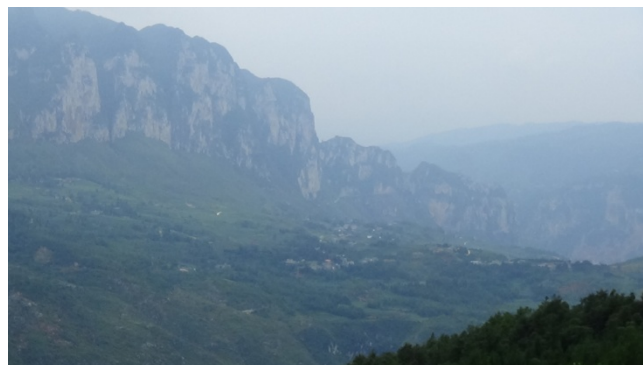


Video camera was set on the tree facing the cave

- 2) I participated in a new project of François' langurs conservation in Liupanshui which host by Prof Wang from KIZ. As a pilot investigation in Liupanshui, the drone helped me to collect the topographic observation data. I didn't get the direct observation of François' langurs in Yezong natural reserve.



Map of Yezong Natural Reserve



Yezong Natural Reserve

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6. Others

I very much appreciate to all the staffs for their time and energy to accompany me in the Maygang River National Natural Reserve for conducting my study, and to all the supports from PWS.