

**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.)

2015.12.12

<b>Affiliation/Position</b>	Primate Research Institute
<b>Name</b>	Kazuya Toda

<b>1. Country/location of visit</b>
D.R.Congo, Wamba
<b>2. Research project</b>
The study on developmental factors of female natal emigration in patrilocal society
<b>3. Date (departing from/returning to Japan)</b>
2015. 09. 22 – 2015. 12. 06 (76days)
<b>4. Main host researcher and affiliation</b>
Dr. Furuichi, Professor at Primate Research Institute, Kyoto University, CREF
<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>Bonobos have a patrilocal society characterized by male-philopatry and female-migration. I have observed behaviors and collected urine samples of nulliparous females to study diachronic on the influence of developmental factors in natal emigration. This study was conducted in Wamba village of the DR Congo for the research of wild bonobo, where is suitable for my study because all individuals in two study groups were identified and habituated well.</p> <p>I observed behaviors and collected urine samples of nulliparous females in this period. Because three females emigrated from their natal groups, I collected observational and urine samples from the females just before their emigrations.</p> <p>In this period, inter-group encounter occurred between two study groups. This rare event gave me opportunities to observe behaviors of nulliparous females during the group-encounter. In addition, I observed three cases of social relations between mother-daughter after their natal emigrations through inter-group emigrations.</p>

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Grooming between daughters and mothers before their natal emigrations.

1. Nadir (emigration at 7yr)    2. Natsuko (emigration at 6yr)



3. Infants Playing    4. Adolescent Playing

(For some reason female children sometimes pose like this photo while playing.)

**6. Others**

This research was conducted thanks to PWS financial supports. I appreciate PWS staffs supporting my research.

I am also thankful to local people who helped me at Wamba.