

SUN Qiaoqi

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EDUCATION

- Master of Nature Conservation (2009-Pres., expected grade for MSc in 2012)
Dept. College of Nature Conservation, Beijing Forestry University
Main topic of dissertation: "Spatial and temporal dynamics of greenhouse gas from inland riverine ecosystem of Nenjiang Basin, China", 2012
- Bachelor of Wildlife Conservation and Nature Reserve Management (2005-2009)
Dept. School of Wildlife Resource, Northeast Forestry University
Dissertation: "Study on pre-reproduction Behavior of Great Crested Grebe", 2009.6

RESEARCH INTERESTS

- **Felids and other large mammal conservation and habitat management.** Large mammals play pivotal roles in ecosystem functions and keep biodiversity stable. My interests concern felid ecological function, population distribution and habitat dynamics, and I am also keen to understand in more detail, large mammal function in ecosystem processes.
- **Dominant & widely distributed species and multiple ecosystem dynamics shifted by climate and human activities.** Climate change and human expansion have been the main drivers of species composition and ecosystem types. My interests particularly focus on the effects of these drivers. I am also passionate about how land-use change relates to habitat suitability and species evolution at different temporal and spatial scales.
- **Riverine wetland ecosystem process and global climate change.** Wetlands have proved to be one of the best carbon storage ecosystems. My interest is based on the detailed understanding of greenhouse gas exchange between atmosphere and hydrosphere and pedosphere and how to calculate the benefits of keeping carbon stabilization in wetland ecosystems. I also strive to find out more suitable management strategies in wetland and farming areas, which aim to reduce the budget of greenhouse gases caused by human activities.

PROJECT EXPERIENCE

1. "China typical wetlands function in global climate change assessment-riverine wetland and global climate change" (2008-2011) funded by Chinese State Forest Administration, main participant and contact;
2. "Snow leopard population assessment in Gansi region, Sichuan, China..(2010.1-2010.12)" funded by Chinese State Forest Administration, main participant and contact;
3. "Snow leopard population assessment in the Qiliangshan mountains, Gansu, China. (2011.1-2011.12)" funded by Chinese State Forest Administration, main participant and

- contact;
4. "Study on Wild Bactrian Camel distribution and population size in Loubupo, Xinjiang" (2011-2012), funded by Xinjiang Department of Environmental Protection, main participant and contact;
 5. "Assessment of integrated benefits of withdraw graze and return to the grassland project in China. (2011-2012)" funded by Ministry of China, main participant and contact;
 6. "Building capacity for felid conservation in China. (2010-2013)" funded by Darwin Initiative, main participant;
 7. "Identification of the time of Red squirrel (*Sciurus vulgaris mantchuricus*) death by pelage characteristics" (2007-2008), funded by Northeast Forestry University, project sponsor;

PERSONAL SKILLS

- Strong skills and experience in conducting field surveys and collating data different kinds of ecosystem (e.g. wetland, high altitude area, grassland, desert, and tropical forest habitats) and camera trapping techniques.
- Proficient in use of Microsoft Office (Word, Excel, Powerpoint etc), statistics software of SPSS 16.0 and R, and cartographic software SigmaPlot 11.0; Command in landscape software Fragstats 3.3, geographic software GIS 9.3.
- Skilled in proposal writing and much experience in applying ecology (aspects of wildlife or related ecosystem) funds
- Native in standard Chinese and excellent in English writing and speaking.

ACADEMIC HONOURS

- Graduate Fellowship for Academic Innovation of Beijing Forestry University, 2011-2012
- First-class Graduate Fellowship of Beijing Forestry University, 2011-2012
- First-class Graduate Fellowship of Beijing Forestry University, 2010-2011
- First-class Graduate Fellowship of Beijing Forestry University, 2009-2010
- First –class scholarship of Northeast Forestry University, March, 2009
- Second-class scholarship of Northeast Forestry University (3 times), 2005-2008

PUBLICATIONS

1. Zhang Yue, **Sun Qiaoqi**, Xu Zhipeng, Liu Zhiwei, Li Yanjie, Li Xiaomin. Pre-reproduction Behavior of Great Crested Grebe. *Chinese Journal of wildlife*, 2010, 31 (1): 33-35. (In Chinese)
2. **Sun Qiaoqi**, Shi Kun, Philip Riordan, Yi Guoliang, Yu Guohai. Management framework of Great Bustard Otis tarda metapopulation based on the concept of transboundary conservation in northeast China. *Proceedings of the 1st international Symposium on Conservation of Great Bustard*, 2010, 165-166. (In English)
3. **Qiao-Qi Sun**, Charlotte Whitham, Kun Shi, Guo-Hai Yu, Xiao-Wei Sun. Nitrous Oxide Emissions from a water-body in the Nenjiang basin, China. 2011. Hydrology Research. **(Accepted.)** (In English)
4. **Qiao-Qi Sun**, Kun Shi, Guo-Hai Yu. Seasonal and spatial dynamics of carbon dioxide and methane fluxes from riparian ecosystems, northeast China. **(In Submission preparation)** (In English)
5. **Sun Q.Q.**, Shi K. & Philip Riordan. Advances in research of riverine wetlands and greenhouse gases. **(Submission preparation)** (in Chinese)