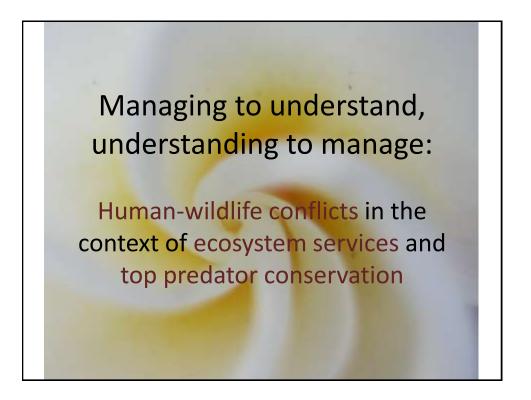
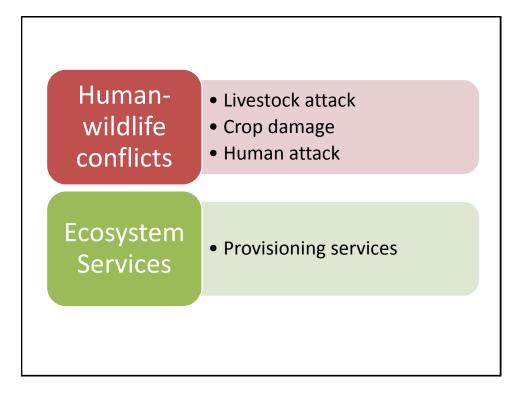
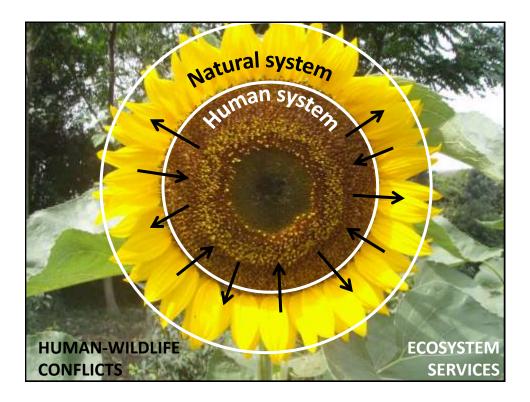
Human-wildlife interactions – the balancing act SCCS-Australia January 2012

Charlotte Whitham¹, Dr. Kun Shi¹, Dr. Philip Riordan² ¹Beijing Forestry University ²Wildlife Conservation Research Unit, University of Oxford

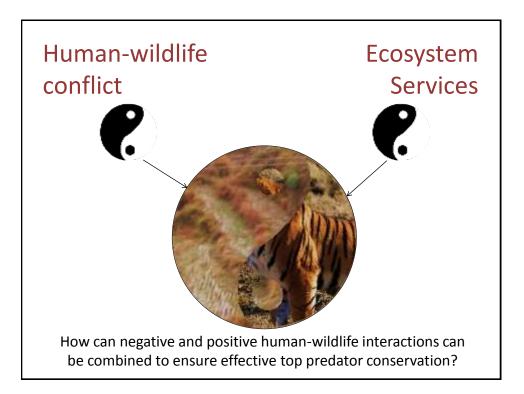


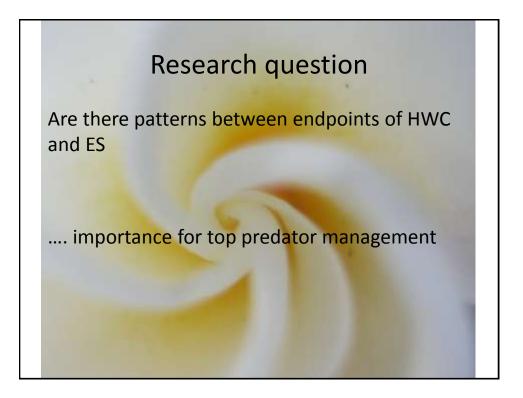






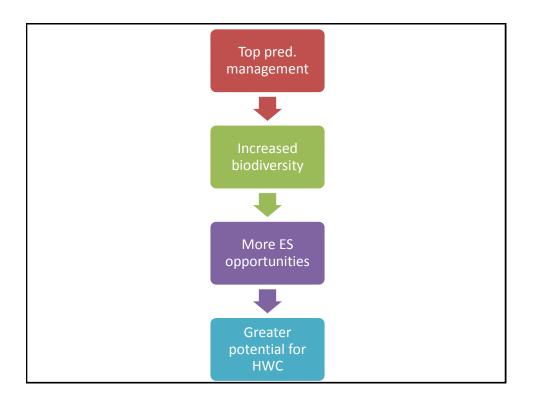


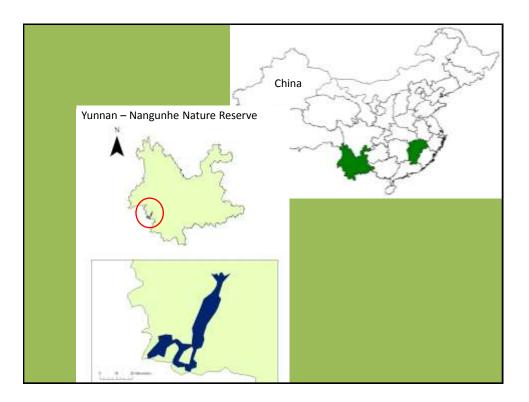




Shaping the framework

Concept	Number of publications
Human-wildlife	1008
conflicts (HWC)	
Ecosystem services	2236
Human-wildlife	0
conflicts AND	
Ecosystem services	





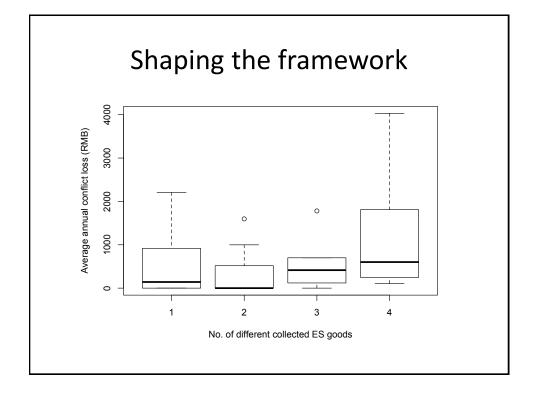


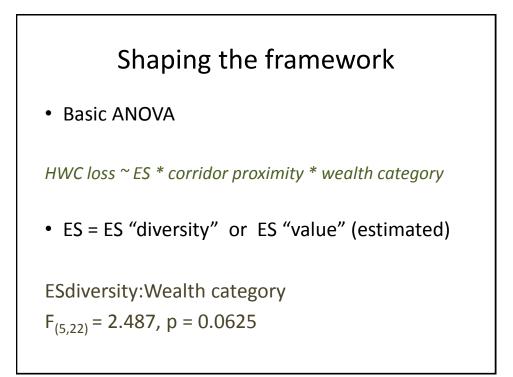


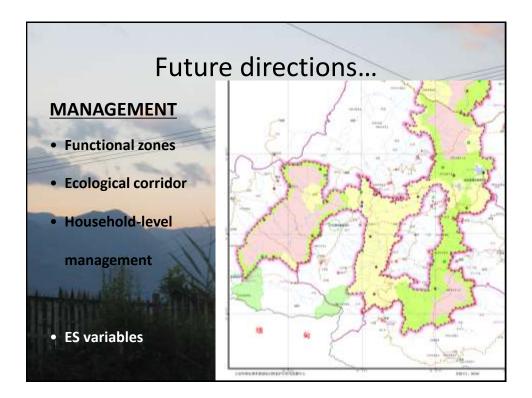
Results – Provisioning Services

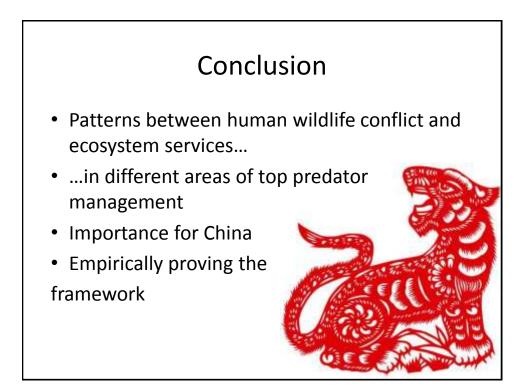
- Construction timber & bamboo
- Fuel firewood
- Food mushrooms, wild vegetables
- Medicinal plants











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- Supervisors: Dr. Shi Kun & Dr. Phil Riordan

References

- Beschta, RL, and WJ Ripple. 2009. "Large Predators and Trophic Cascades in Terrestrial Ecosystems of the Western United States." *Biological Conservation* **142** (11): 2401–14.
- Chen, ZX, and XS Zhang. 2000. "Value of Ecosystem Services in China." Chinese Science Bulletin 45(10): 870-.
- Daily, G, and Pamela A. Matson. 2008. "Ecosystem Services: From Theory to Implementation." Proceedings of the National Academy of Sciences 105(28): 9455–56.
- Estes, JA, J Terborgh, JS Brashares, ME Power, J Berger, WJ Bond, SR Carpenter, TE Essington, RD Holt, and JBC Jackson. 2011. "Trophic Downgrading of Planet Earth." *Science* 333(6040): 301.
- Johnson, Arlyne, Chanthavy Vongkhamheng, Venevongphet, Tha Visouk Saithongdam, and Michael Hedemark. 2006. "Status of Tiger, Prey and Human-Tiger Conflict in the Nam Et-Phou Louey National Protected Area, Lao PDR." In eds. J A McNeely, TM McCarthy, A Smith, L Olsvig-Whittaker, and E Wikramanayake. Nepal: Conservation Biology in Asia, 1–4.
- Karlsson, J, and Ö Johansson. 2010. "Predictability of Repeated Carnivore Attacks on Livestock Favours Reactive Use of Mitigation Measures." *Journal of Applied Ecology* **47**(1): 166–71.
- Lamarque, François, J Anderson, P Chardonnet, R Fergusson, M Lagrange, Y Osei-Owusu, L Bakker, U Belemsobgo, B Beytell, H Boulet, B Soto, and P Tabi Tako-Eta. 2008. *Human-Wildlife Conflict in Africa*. Food & Agriculture Org.

	References
•	Macdonald, DW, and C Sillero-Zubiri. 2002. "Large Carnivores and Conflict: Lion Conservation in Context." In <i>Lion conservation research. Workshop 2: modelling conflict</i> , eds. Andrew J Loveridge, T Lynam, and D W Macdonald.
•	Marchini, Silvio. 2010. "Human Dimensions of the Conflicts Between People and Jaguars (Panthera Onca) in Brazil." PhD Thesis.
•	Pettigrew, Melissa, G Xie, Aili Kang, Madhu Rao, John Goodrich, Tong LIU, and J Berger. 2012. "Human- Carnivore Conflict in China: a Review of Current Approaches with Recommendations for Improved Management." Integrative Zoology 7 (2): 210–26.
•	Ripple, WJ, and RL Beschta. 2006. "Linking a Cougar Decline, Trophic Cascade, and Catastrophic Regime Shift in Zion National Park." <i>BIOLOGICAL CONSERVATION</i> 133 (4): 397–408.
•	Robinson, John G. 2006. "Conservation Biology and Real-World Conservation." <i>Conservation Biology</i> 20 (3): 658–69.
•	Seppelt, R, CF Dormann, FV Eppink, S Lautenbach, and S Schmidt. 2011. "A Quantitative Review of Ecosystem Service Studies: Approaches, Shortcomings and the Road Ahead." <i>Journal of Applied Ecology</i> 48 : 630–36.
•	Treves, A, and KU Karanth. 2003. "Human-Carnivore Conflict and Perspectives on Carnivore Management Worldwide." <i>Conservation Biology</i> 17 (6): 1491–99.
•	Woodroffe, R. 1998. "Edge Effects and the Extinction of Populations Inside Protected Areas." <i>Science</i> 280 (5372): 2126–28.
•	Woodroffe, R. 2000. "Predators and People: Using Human Densities to Interpret Declines of Large Carnivores." <i>Animal Conservation</i> 3 : 165–73.