

Conflicting, conserving and coexisting in China

Charlotte Whitham / 夏琳

26th May – WCSC 2012

PhD Student,

Beijing Forestry University

charlotte.whitham@gmail.com

QQ: 1745214168



Dark & Light

Coexistence

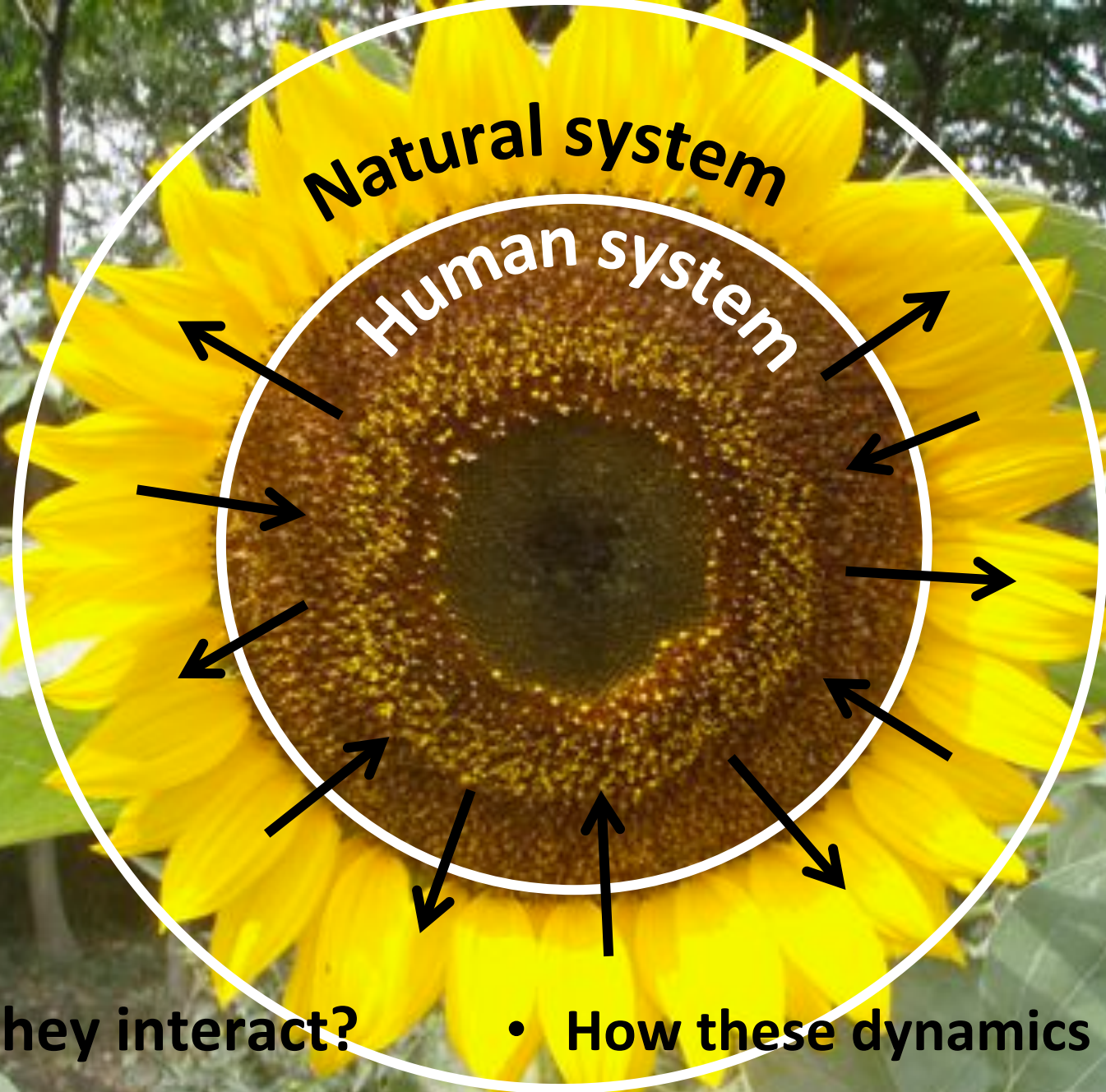


Balance

Tai ji

Harmony

TCM



- How they interact?
- How these dynamics interact?
- What does this mean for top predator conservation?







Human
livelihoods



Top predator
conservation

- **Observe & measure:**
 - **Interactions**
 - **Dynamics between interactions**
- **Better conflict resolutions**
- **Better top predator conservation**

铜壁关保护区

Tongbiguan Nature Reserve





Human-wildlife
conflicts &
management:
What? Where?
When? How?

Ecosystem
Services, Health &
management:
What? Where?
When? How?

INTERACTION & TRADE OFFS

**IMPACTS
ON**

**Potential for
TOP PREDATOR
CONSERVATION**

Situation for local people

- Total of 300,000 people in Yingjiang



rape = main crops

e and pests

water provision, etc.

Top predator signs?



Leopard cat

Prionailurus bengalensis

Clouded Leopard

Neofelis nebulosa

Leopard

Panthera pardus

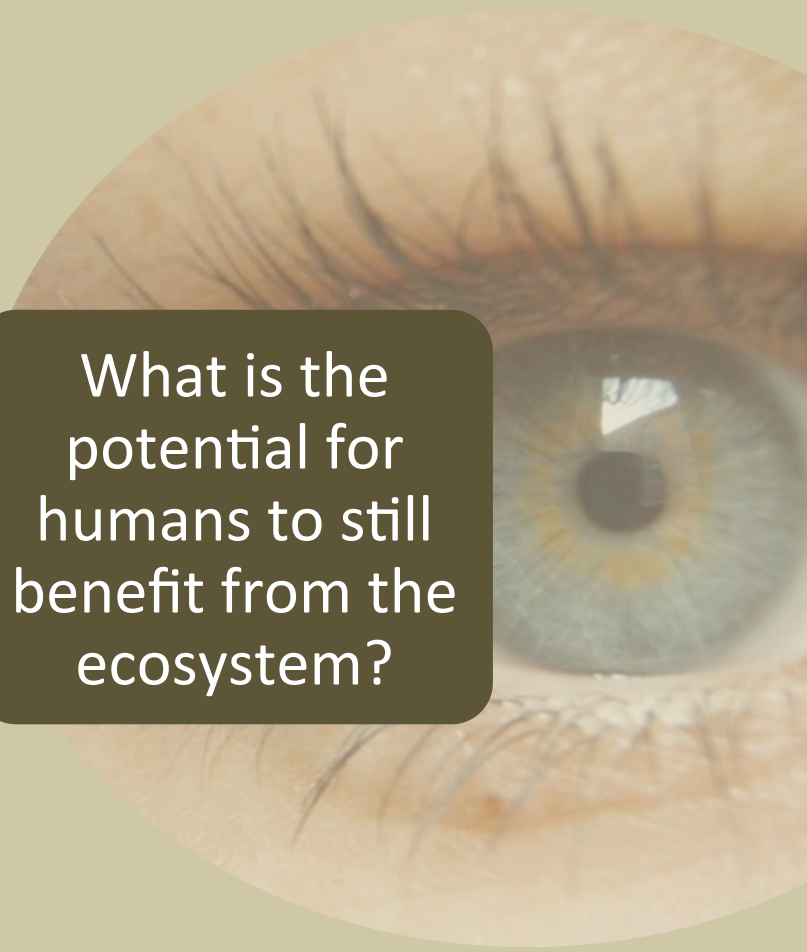
delacourii

Objective

What is the potential for coexistence with top predators?

What is the potential for humans to still benefit from the ecosystem?

What is the potential for top predators to exist?



Top predator potential

A tiger is shown in profile, walking through a dry, grassy field. The tiger's orange and black stripes are clearly visible. The background is slightly blurred, showing more of the natural environment.

What is the potential for top predators in terms of:

- ...habitat?
 - Availability
 - Connectivity
- ...prey availability?
- ...capacity of Nature Reserve management?

Top predator potential



- What is the potential for local people to still benefit with the presence of top predators? (Predicting the impact of tiger presence on local people)
 - What will be the impact of top predator presence on:
 - ecosystem health?
 - ecosystem service provision?
 - present human-wildlife conflict dynamics?
 - Which groups within the protected areas will be most vulnerable to potential conflicts with top predator presence?



Conflicts



Conservation

Dr. Shi Kun and Dr. Phil Riordan (supervisors)

State Forestry Administration – China

Dehong Forestry Administration

Tonbiguan Nature Reserve staff and local people

谢谢