

A review of methods for mitigating human-wildlife conflicts and optimal participation in intervention planning

Dr. Adrian Treves

Dr. Stuart White



QuickTime™ and a
TIFF (Uncompressed) decompressor
are needed to see this picture.

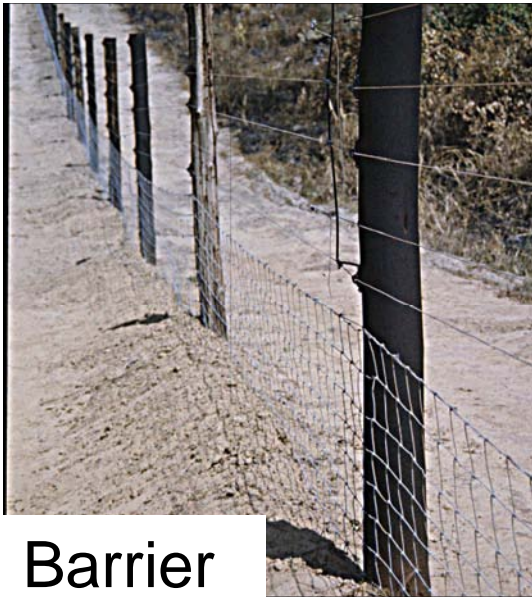
Outline

- Many methods for intervention
- How does one choose?
- Case study of participatory intervention planning
- Working with private landowners
- Certified Wildlife Friendly

Diverse wildlife involved



Manipulate problem animals (lethal or not)



Barrier



s



Guards



Repellent

Class 1: Reducing the severity or frequency of encounters between wildlife and people / property

Reducing vulnerability

Where

- Avoid high risk areas
- Modify habitat / access

When

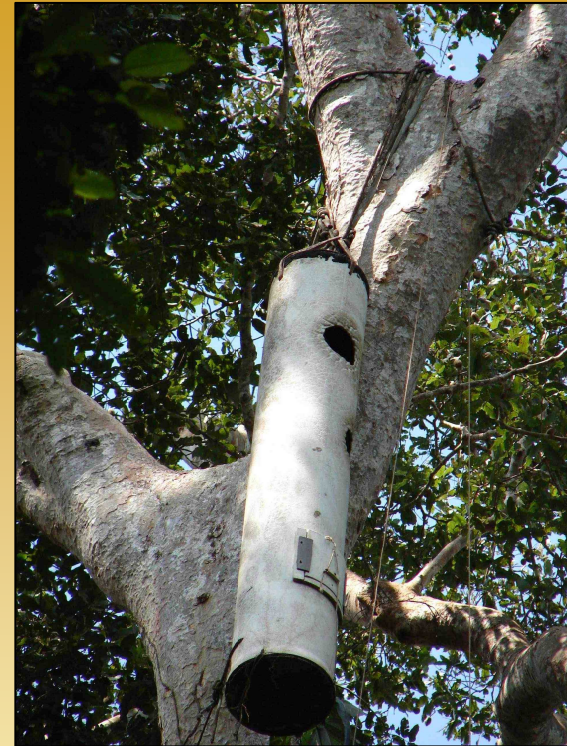
- Birthing, planting, defending when wildlife are absent or uninterested

How

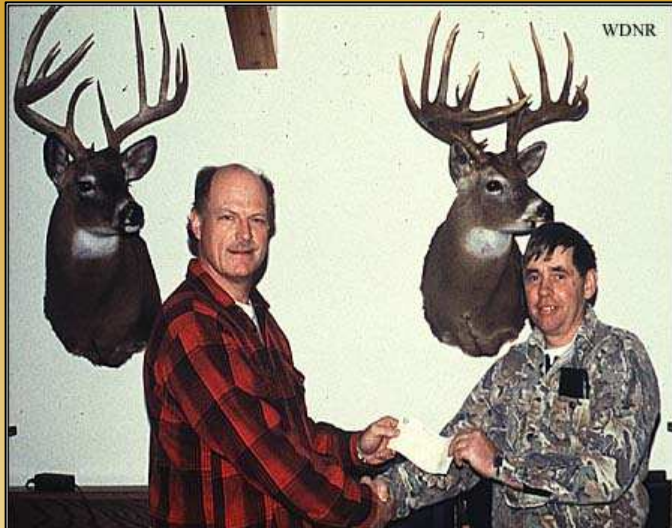
- Switch to less attractive products (e.g., calves to steers, corn to chili peppers)
- Dispose of trash & food refuse
- Improve wild food availability
- Relocate human activities



Manipulate habitat or other wildlife



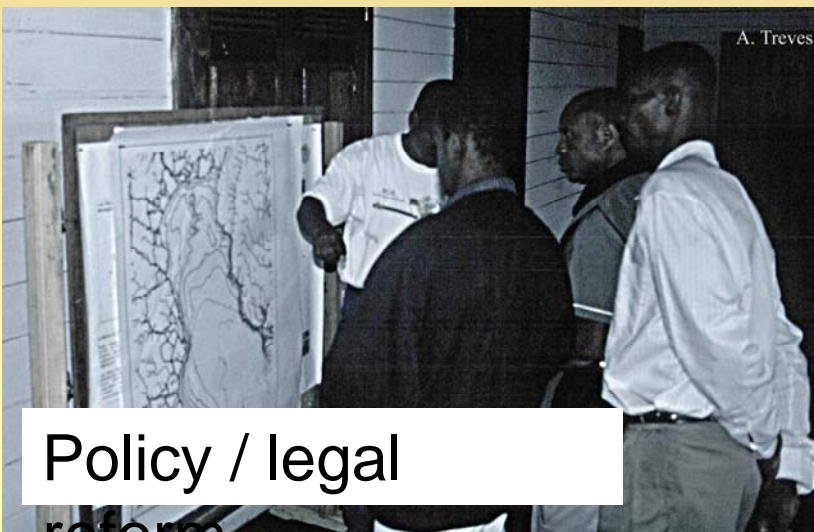
Class 2: Raising tolerance



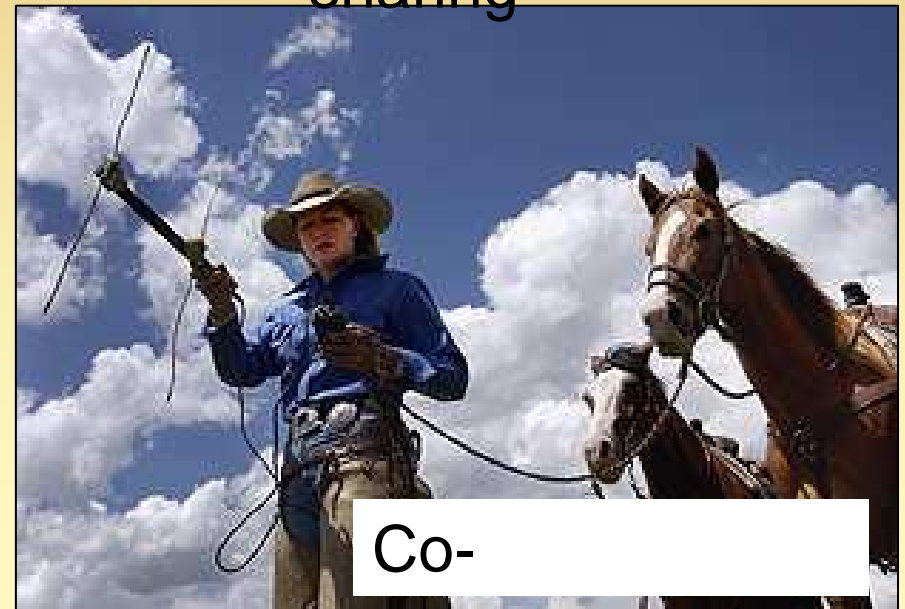
Compensation / Incentives



Information sharing



Policy / legal reform



Co-

management


How does one choose and combine methods?

- Consider participation
- Consider compatibility
- Consider feasibility
 - Cost-effective design
 - Sociopolitical acceptability
 - Selective and specific to target wildlife
 - Monitoring demands

Case study: Participatory Intervention Planning

Taller de Consulta a la Comunidad
OSOS, PUMAS, RAPOSOS
¿QUÉ NOS SEPARA, QUÉ NOS UNE?

INVITAMOS CORDIALMENTE A USTED A ESTE TALLER



Lugar: Rivera (Zhoray) **Fecha:** Viernes, 20 de Julio de 2007 **Hora:** 8:30 AM (en punto) hasta las 2:00 PM
Invitan: Fundación Cordillera Tropical, COEX, Zoológico de Pittsburgh, Asociación Internacional de Investigación y Manejo del Oso (IBA) **Información:** Fundación Cordillera Tropical, Teléfono (07) 286-2653, Cuenca

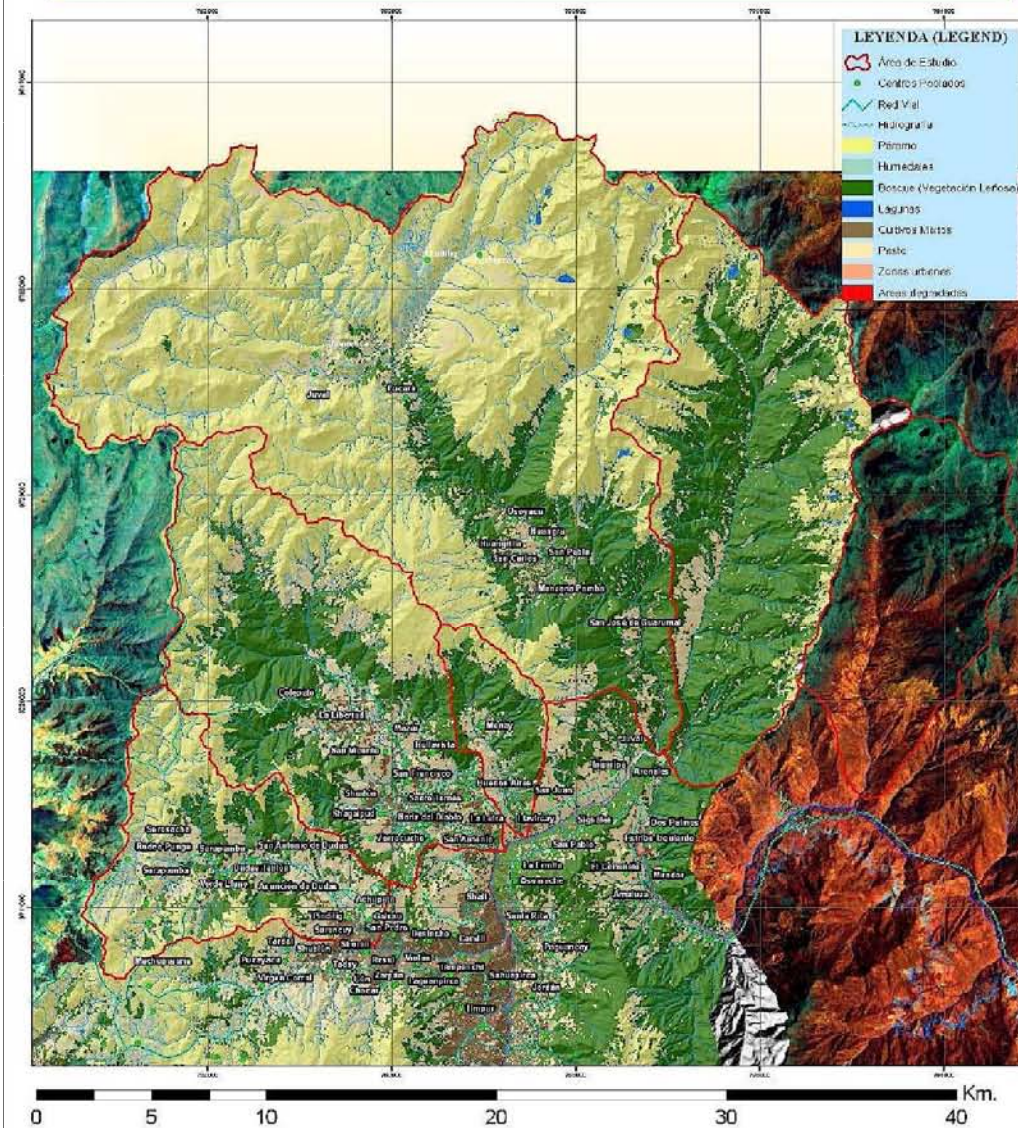
- 57 local landowners and their families
- One day meeting
- Goal 1: Build consensus on wildlife conservation
- Goal 2: Brainstorm on non-lethal interventions to mitigate human-bear conflicts

Study site

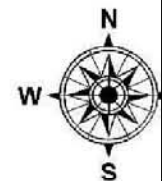
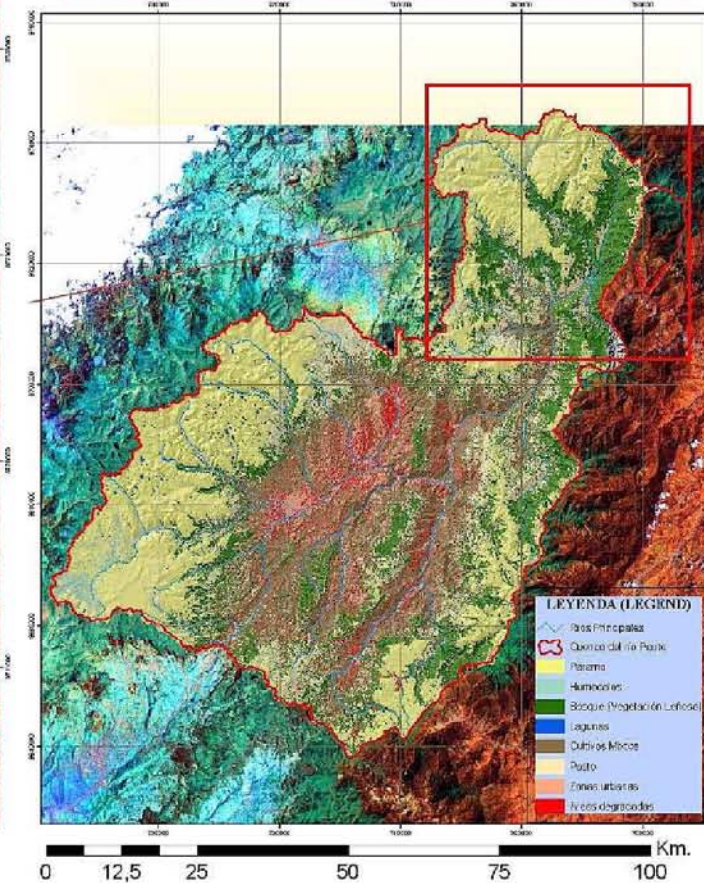
Ecuador



USO DE SUELO ZONA DE ESTUDIO AÑO 2001



USO DE SUELO DE LA CUENCA DEL RÍO PAUTE AÑO 2001



Proyecto: CUBOCCO 1995, L.
 Autor: CUBOCCO 1995, L.
 Elaboración: 2001, J. J.

LARGE ANIMALS PRESENT

ANIMALS

DAMAGE

BEAR

Only the Huagrero
not the Aguaronguero

Kill and eat livestock
(Bear Huagrero)
Eats fresh corn and
stored corn.

PUMA

Is a troublemaker

Eats pigs, sheep,
horses, alpaca, llamas,
dogs...

ANDEAN FOX

We are in the middle
Called "el raposo"

Eats hens, lambs, alpacas

ZHIBRE

Eats grass in high pastures
Eats the new shoots.
Eats young crops (peas,
corn, cabbage, barley...)

RABBIT

Eats grass and crops

DEER

Eats grass and crops

SOME NEIGHBORS

Always there, 1 - 2 of these
per community

**<--Participants listed problem
wildlife**

And benefits of wildlife

- Food
- Hides for home uses
- Horns
- Medicines
- Natural beauty
- Pretty songs
- They clean up the insects

Results for Andean bears

HOW TO COEXIST WITH THE BEAR

- Not destroy its natural habitat
- Respect the agricultural boundaries
- Not plant crops in the grasslands
- Remove domestic animals
- Use noises and smells
- Compensation for animals dead from bear attacks
- Change activities, such as to ecotourism
- Undertake studies about their behavior
- Control hunting
- Care of forests and grasslands
- Avoid contamination (no dropping trash, bury organic fertilizers)
- Transmit and extend our desire to care for nature to our neighbors, friends, and family

¿CÓMO CONVIVIR CON EL OSO?

- No destruir su hábitat natural
- Respetar la frontera agrícola
- No realizar siembras en los pajonales
- Retirar los animales domésticos, ganado
- Utilizar sonidos y olores
- Compensación por animal muerto siendo atacado por un oso
- Cambio de actividad como el ecoturismo
- Realizar estudios sobre su comportamiento.
- Controlar la casería.
- Cuidar los bosques y pajonales.
- Comunicar y Compartir experiencias.



Photos by R. Zug

Motion-activated, digital cameras



Photo by R. Zug

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44°F

Photo by R. Zug

CAMERA TRAP 15

RECONYX



Landowners see their own wildlife



Photos by R. Zug



Consumer financing for wildlife conservation

- Digital photos of wildlife posted on the internet and in stores
- Certifying food and fiber producers who manufacture without harm to wildlife
- www.wildlifefriendly.org



Thank you



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FOR ENVIRONMENTAL STUDIES**
University of Wisconsin-Madison

Where Environmental Leadership Begins

Adrian Treves, PhD
Assistant Professor of Environmental Studies
Voice: +1-608-890-1450 atreves@wisc.edu
www.nelson.wisc.edu/people/profiles/treves.htm
www.nelson.wisc.edu/people/treves