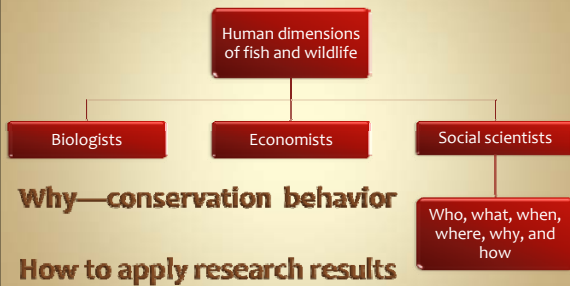


Conservation Behaviors of Fish and Wildlife Stakeholders: A Research Overview

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Research philosophy



Collaborators:

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- Scott Sanders
- Chris Wynn
- Joe Prenger
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- Bryan Curran
- Hassan Nguluma
- Robert Malpas
- Erin Myers



Overview

Beginnings

Research overview

Africa hunting and parks

Fish and wildlife

Landowners

Ranchers

Conservation behavior

Future research

Beginnings



Research overview

Africa hunting and parks

BMWS participatory rural appraisals

BMWS bushmeat hunting

(Willcox and Nambu 2006, Biological Conservation)

Bushmeat disease risk

(Monroe and Willcox 2006, Animal Conservation)

Mahale ecosystem management




Community decisions and planning
Participatory rural appraisals
Social participation
Portraits of bushmeat butchering
Advisory planning and outreach
Likelihood of forest clearance
Rural livelihoods and food security

Community decisions and planning

Research overview

Fish and wildlife

- Gopher tortoises**
- Largemouth bass**
- Sea turtles**
(Senko, Nichols, Ross, and Willcox 2010, EcoHealth)
- Feral hogs**



Research objectives:
 - Determine whether or not feral hogs provide disease risk in Baja, Mexico
 - Stakeholder assessment for information
 - Determine questionnaire
 - Biological, social, and economic data
 - Potential programs as a range
 - Status of data to promote healthier and sustainable alternatives

Research overview

Landowners

- Florida private landowner wildlife survey**
(Willcox, Giuliano, Wynn, and Sanders 2010, SEAFWA)
- Florida private landowner monitoring**
Predicting use of prescribed fire




Research objectives:
 - Prescribed fire management systems
 - Wildlife habitat management
 - Predicted behavioral controls, and
 - Behavior
 - Participation in financial and
 - Cultural values in prescribed fire
 - extension and outreach
 - Special issues on website

Research overview

Ranchers

- Financial incentives in wildlife surveys**
(Willcox, Giuliano, and Israel 2010, HD of Wildlife)
- Predicting rancher behavior**
Financial assistance programs
- Technical assistance programs
- Integrating wildlife and cattle
(Willcox, Giuliano, and Monroe in press, HD of Wildlife)
- Agency and rancher perceptions**
(Willcox and Giuliano 2011, Wildlife Society Bulletin)



Research objectives:
 - Multi-back survey to identify ranchers surveying state and federal private
 - land to help identify in distance
 - predict participation in programs and
 - identify people with wildlife management
 - factors and the agency each of these items
 - responses to understand agency
 - perceptions and misperceptions of
 - ranchers

Conservation Behavior

Activities that support a sustainable society

- 1) Environmental activism (e.g., actively participating in or leading environmental initiatives)
- 2) Non-activist political behaviors (e.g., joining an organization, voting, signing a petition, or writing a check)
- 3) Consumer behaviors (e.g., purchasing "green" products, recycling, reducing energy use, and altering consumption habits)
- 4) Ecosystem behaviors (e.g., putting up bird boxes, planting sea oats, counting wildlife populations, promoting prescribed fire)
- 5) Other behaviors which are specific to our expertise or workplace (e.g., reducing waste in the production process, establishing mortgage criteria for energy efficient houses, suing a polluter)

Monroe, M.C. 2003. Two avenues for encouraging conservation behaviors. Human Ecology Review 10:2.

Conservation Behavior

Determinants of conservation behavior

- Attitudes
- Values
- Beliefs
- Norms
- Perceived behavioral controls
- Knowledge
- Life experiences

Conservation Behavior

Modeling conservation behavior

- Social psychology
- Sociology
- Anthropology
- Education and communications

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graph LR; A([Attitude]) --> BI([Behavioral intention]); SN([Subjective norms]) --> BI; PBC([Perceived behavioral control]) --> BI; BI --> CB([Conservation behavior]); ABC[Actual behavioral control] --> CB;
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Future Research Interests

Landowners and homeowners:

- Integrating wildlife
- Technical assistance
- Living with wildlife
- Habitat management
- Backyard wildlife



Wildlife recreation:

- Traditional recreation
- Audubon golf
- Fishing and boating



International:

- Community-based NRM
- Parks outreach
- Tourism and recreation
- Sustainable use

Diverse
Collaborative
Applied
Longitudinal

Thank You!



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