Is it better a chicken today or few euros tomorrow? Preferences for compensation in Abruzzo, Lazio and Molise National Park (Italy)

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Jenny Anne Glikman and her son Vincent
Collaboration between biological (La Sapienza-PNALM) & Human Dimension (Memorial University)
Conservation

- Restrictions with laws
- Paying for tolerance
Where is Newfoundland?
Where is PNALM?
What are the key issues in your community?

- Carnivores-prey competition
- Livestock damage
- Carnivores-prey competition
- Abandon of the agriculture
- No benefits
- Livestock damages
- No money
- Compensation system
- Communication
- Residents do not trust us
- Illegal killing
- Poison baits
- Compensation system
- Carnivores-prey competition
- No money
- Compensation system
“WHY DO WE HAVE TO FEED BEARS WITH OUR CHICKENS, THE PARK SHOULD GIVE THEM FOOD”

“A COUPLE OF EUROS AS COMPENSATION PER CHICKEN DO NOT REPLACE THE AFFECT TOWARD THE CHICKENS”
Compensation

- Started in Italy in early 1970s
- Preventive measures
Compensation

- >2 million US $ per year
- Illegal killing
Questionnaire

- Questions on wolves and on bears about
  - Feeling
  - Biology
  - Management direct of the species: hunting-damages-

- Questions on management for both species: compensation system- reimbursement
Sample size:

• 1611 General Public

• 197 Interest groups:
  – 60 shepherds
  – 43 hotel owners
  – 38 park rangers (GP)
  – 32 hunters
  – 24 foresters (CFS)
Compensation?

- Should there be compensation?
- Should there be any conditions to receive compensation?
- How should it be implemented?
  - Time, money, animals, insurance
PCI – 5 point scale

- Shepherds: 0.59
- CFS: 0.42
- Public: 0.65
- Hotel: 0.26
- Hunters: 0.39

- Public: 0.44
- Hotel: 0.34
- CFS: 0.37
- Shepherds: 0.56
- Hunters: 0.48

receive fixed money / subsidy instead of reimbursement

give back animals instead of money to reimburse

buy insurance for protection
## Compensation system

<table>
<thead>
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Tukey B
INSURANCE
PCI – 5 point scale

Time of reimbursement is too long

Right amount of money for reimbursement

Contribute money for reimbursement

-2
-1
0
1
2

GP; 0,31

CFS; 0,32

public; 0,17

hotel; 0,15

hunters; 0,06

shepherds; 0,32

CFS; 0,31

GP; 0,36

public; 0,14

hotel; 0,14

shepherds; 0,34

public; 0,28

hunters; 0,53

shepherds; 0,33

hotel; 0,27

public; 0,42

shepherds; 0,37

GP; 0,35
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### N and Mean for Various Groups

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Tukey B TIME
## Compensation system

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EDUCATION & OUTREACH

- Importance of neutral responses
- Strength not only direction
• WORKSHOPS
  – Park rangers different
  – Foresters most similar to hotel owners
  – Shepherds most similar to hunters
  – General Public varies
THANK YOU

For further information: jaopy@hotmail.com