

A photograph of two brown bears in a natural, rocky, and grassy environment. One bear is in the foreground, facing left, and the other is slightly behind it, also facing left. The background shows a steep, rocky slope with patches of green grass and some dry, brownish vegetation. The overall scene is a natural habitat for bears.

Management of the conflicts with Large Carnivores in Romania

Ovidiu Ionescu

Ramon Jurj

**Transylvania University of
Brasov - ICAS**

Social attitudes through time

Cultural Attitudes

Antic people - Folk legends indicate generally positive perception: Romulus and Remus / ancient flag of Dacia / "Daois"

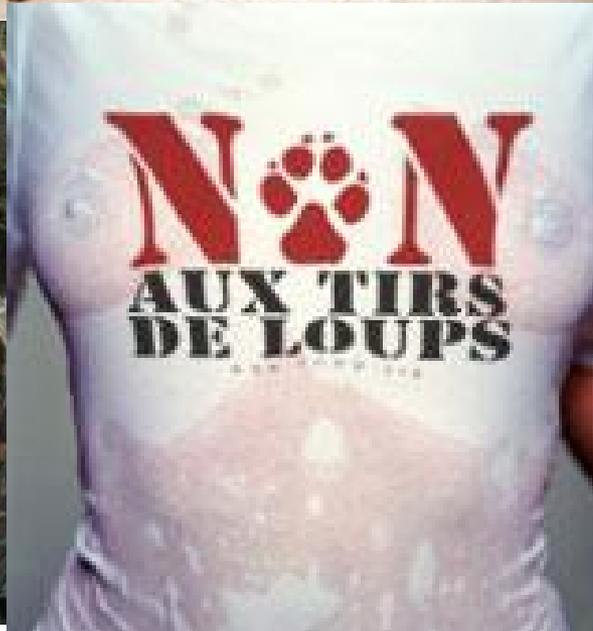


16th -20th century - fear of the unknown
Carnivores seen as uncontrollable forces of nature at the beginning- seen more as a controllable pest at the end.
competition between carnivores and humans for habitat and pray.



20th -21st century - people remain fearful but positive of large carnivores (in the towns)
Wolf remains iconic in embodying these fears
Most people want viable populations in their country ...
... **BUT NOT IN THEIR BACKYARD**
Concerns remain among farmers and rural population

Social attitudes through time





Current LC management systems in Carpathians have not secured stability of LC-human relationship

- **widespread controversial (negative) attitudes.**
- **protection is often not enforced;**
- **“laissez-faire” management.**
- **persisting (increasing) livestock and hunter conflicts.**
- **absence of a coordinated pan-Carpathian management.**

An old and never solved problem...



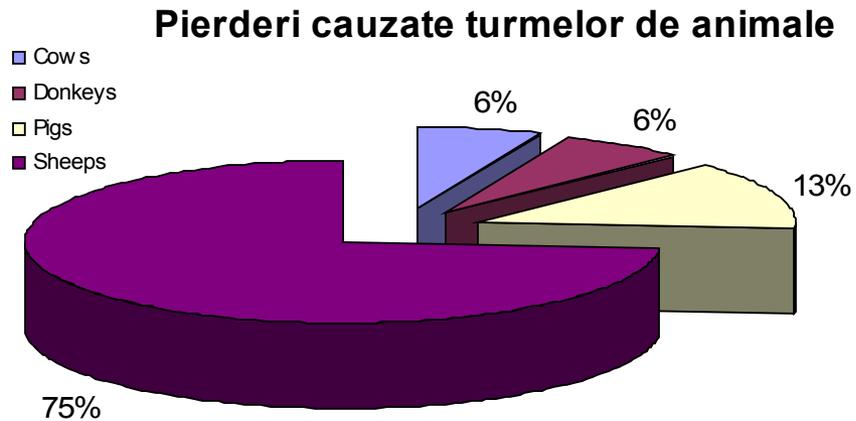
Livestock predation can be a very serious problem to marginal economies



Characteristics of shepherd camps in south-east area of Brasov

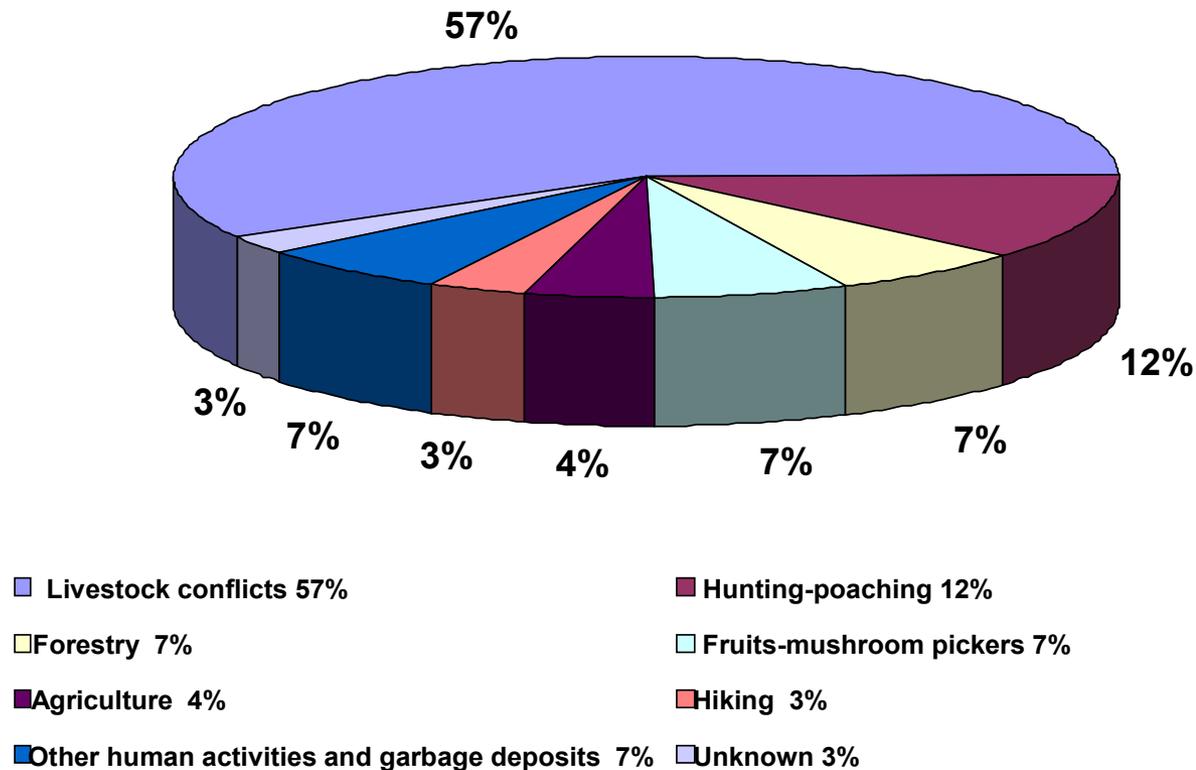
Species	Range	Average
Sheep per camp	50 – 1.200	407
Cows per camp	0 - 55	28
Horses per camp	0 - 10	2.5
Pigs per camp	0 - 39	10
Dogs per camp	2 - 14	7
Relation dog/sheep	1:8 – 1:133	1:55
Shepherds per camp	2 - 9	5
Relation shepherd/sheep	1:29 – 1:114	1:73
Losses of sheep to bears per camp	1 - 11	1.62
Losses of sheep to bears in % per camp	0 – 1.5	0.40
Losses of sheep to wolves per camp	1 - 32	6.95
Losses of sheep to wolves in % per camp	0 - 10	1.70
Total losses of sheep to carnivores per camp	0 - 33	8.57
Total losses of sheep in % per camp	0 – 4.7	2.10

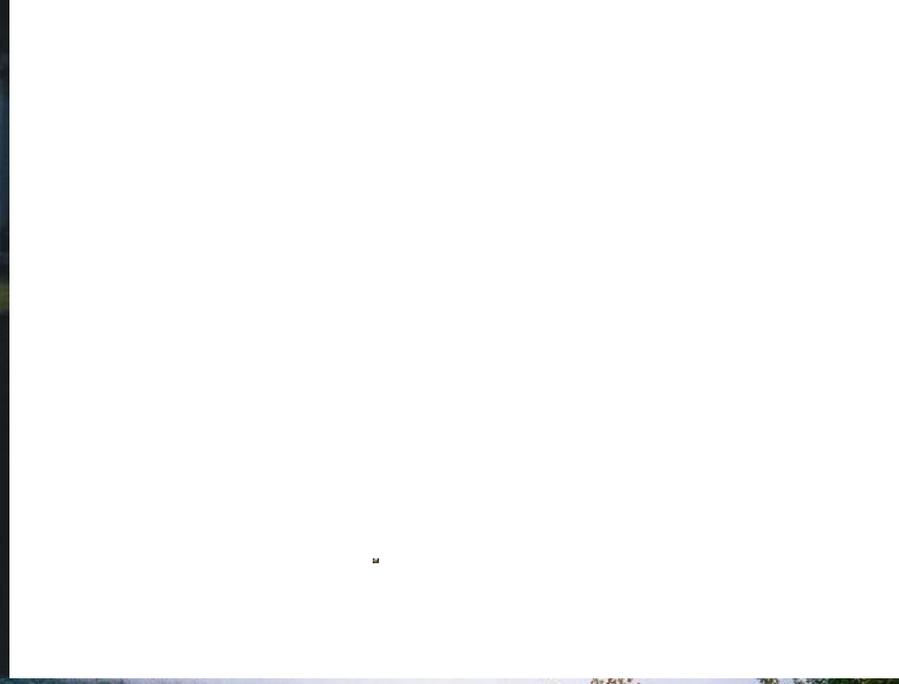
Pierderi cauzate turmelor



Management of Brown Bear Population and Bear-Human Conflicts in Romania

Bear – Human Conflicts

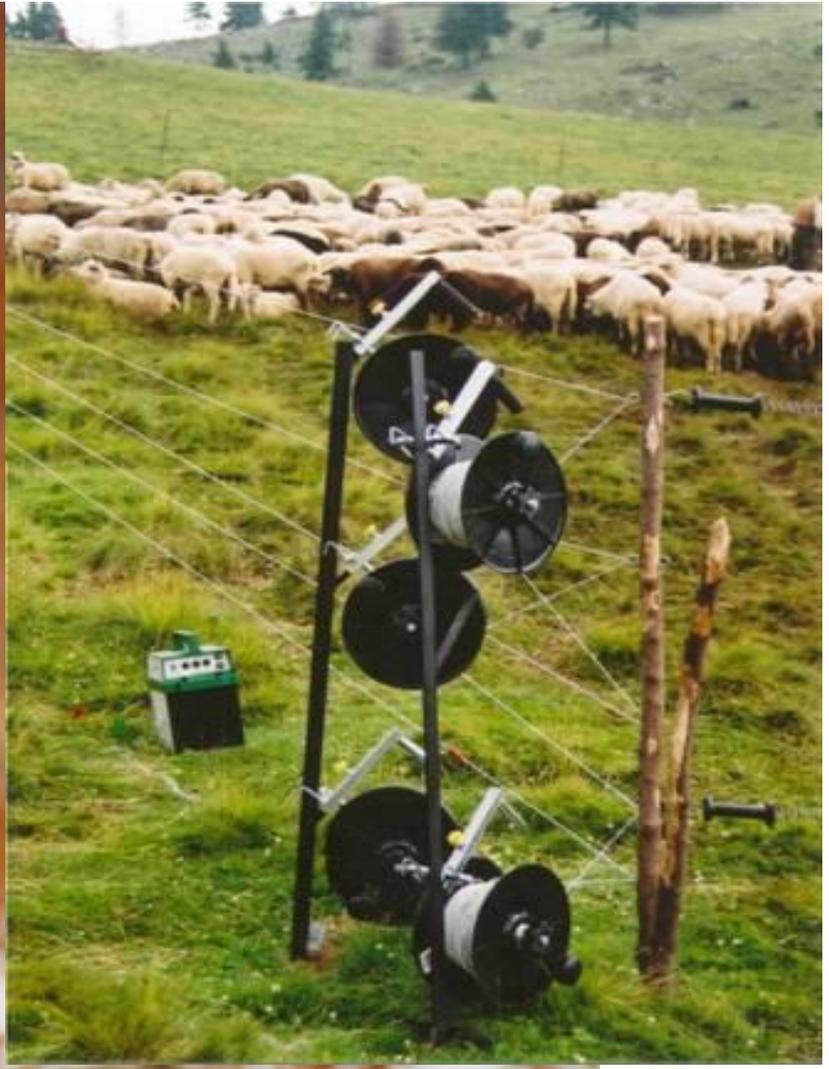




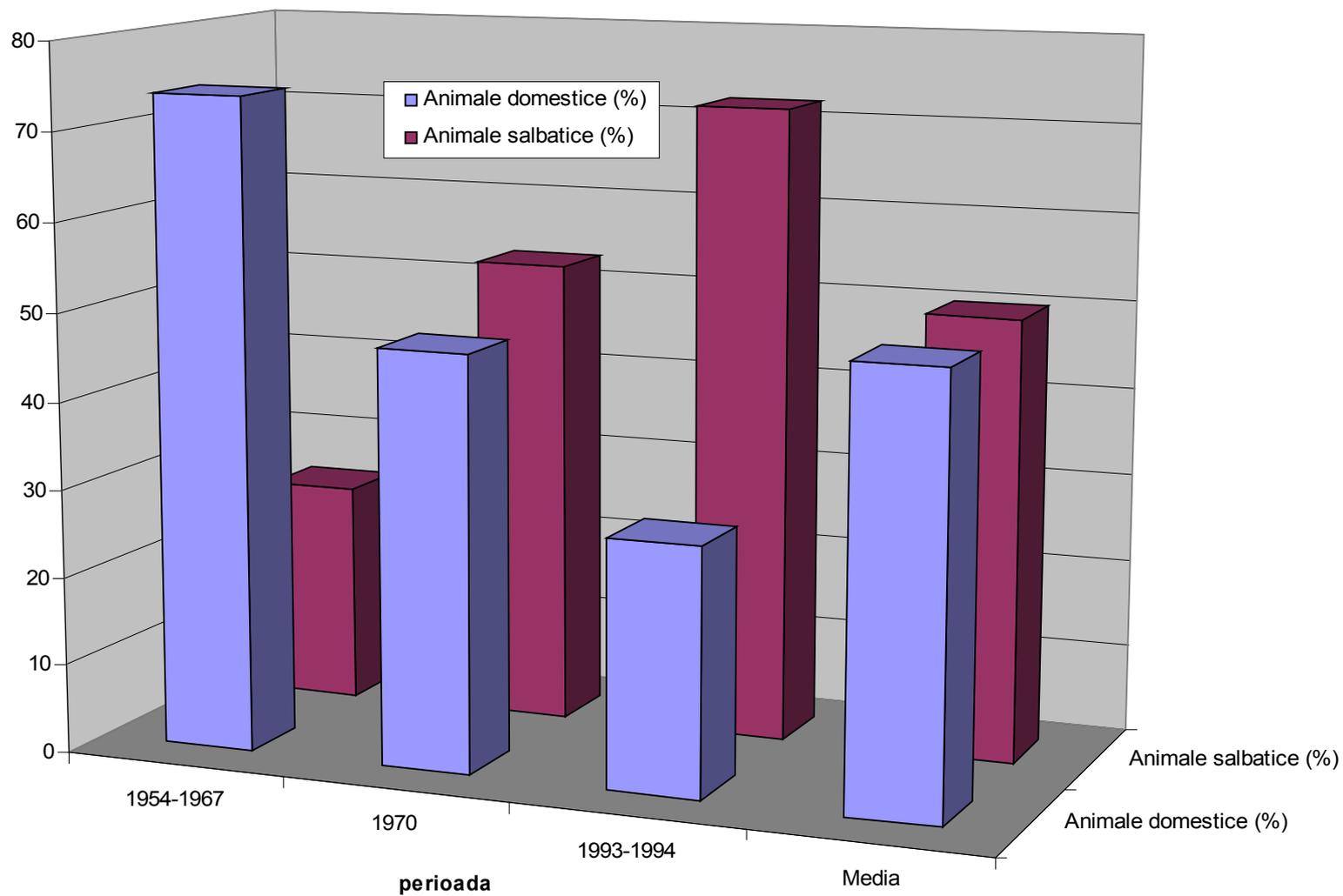
LC - human coexistence depends heavily on the management of livestock depredation: 4 basic types of action

- Mitigation to prevent depredation
 - Control (of predators)
 - Compensation for losses
 - Research on ...all
- + Monitoring and evaluation.

Preventing depredation:



Proportia animalelor domestice si salbatice in hrana lupului



CONTROL OF THE POPULATION SIZE

Data collection recording and collecting biological samples

- single methodology for samples collection
- conservation measures
- samples analysis





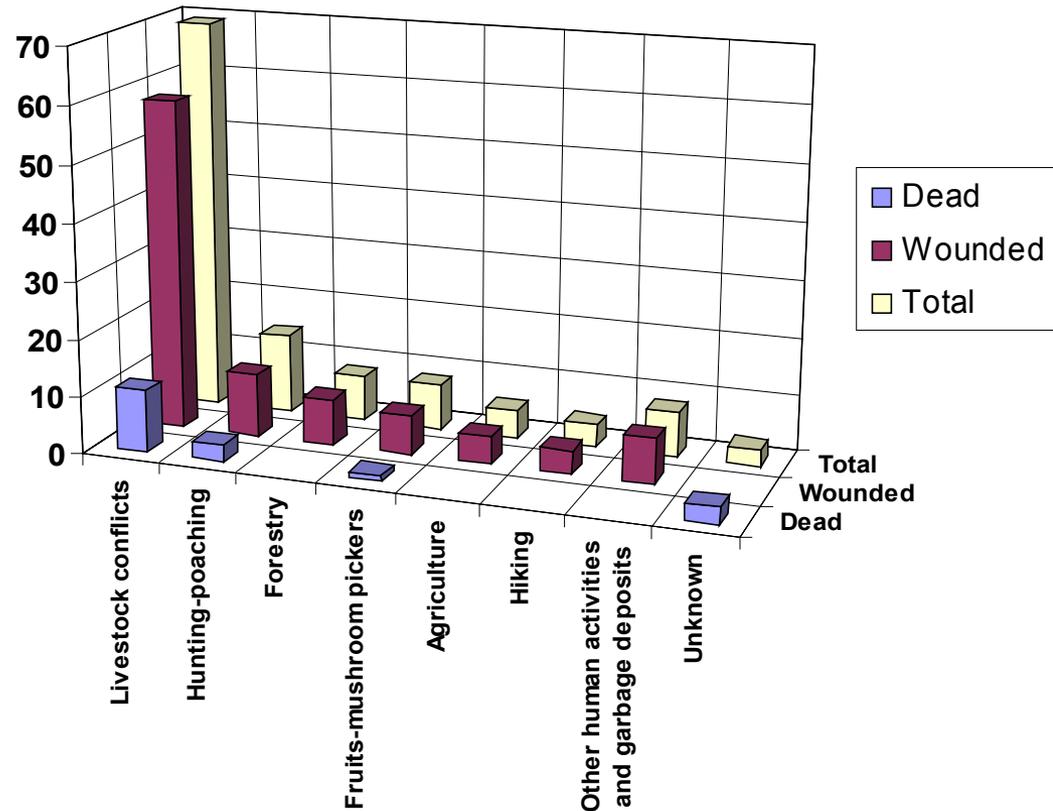


Attaching collar with GPS-transmitter



Management of Large Carnivores in Carpathians

Bear – Human conflicts



Multiple conflicts – multiple solutions

- Carnivore hunting – lethal control – limiting numbers
- Zoning – limiting distribution
- Changing land use / agricultural practices
- Translocation / reintroduction
- Processes – public participation

Other conflicts.....

A specialized, intelligent, tolerated, ... problematic bear



Thanks for your attention!

