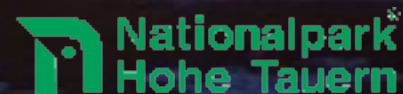


Thematic meeting: *Bears, Wolves and Lynxes in the Alps and in the Carpathians*



Role and experiences of Adamello Brenta Nature Park rangers in brown bear conservation

Matteo Zeni



Brown bears and Park rangers



NB: Except for the one in this picture, all the bears you are going to see here are wild bears photographed *into the wild* in Trentino. The pictures come from people or photo traps.



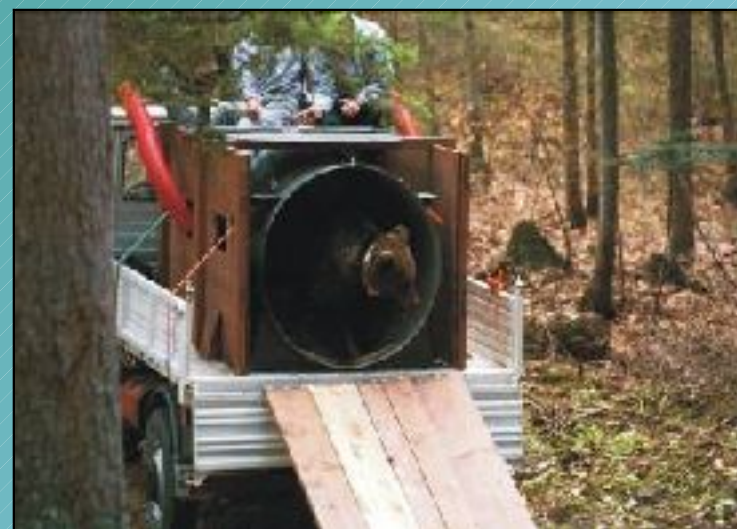


1999-2002: release of 10 bears from Slovenia



Parco Naturale
Adamello Brenta
Trentino - Italia

PROGETTO ORSO



Management during Life Ursus Project

- **Monitoring and research:** PNAB (1 coordinator, 3 wildlife technicians, 12 rangers, scholars, degree candidates), PAT rangers, Hunters Association gamekeepers.
- Management of **dangerous situations** and **damages compensation**: Trento Autonomous Province (PAT) with Adamello Brenta Nature Park (PNAB) collaboration.
- **Communication activities:** PNAB and PAT.



5 Years of Radiotracking

- Translocated bears daily monitored (normally at dawn and dusk; 24 hours/day if bears were near towns);
- turnover with PAT rangers, gamekeepers, degree candidates, scholars;
- "several" hours spent driving!





Following Vida...





Winter 2000/01 - Jon Valley

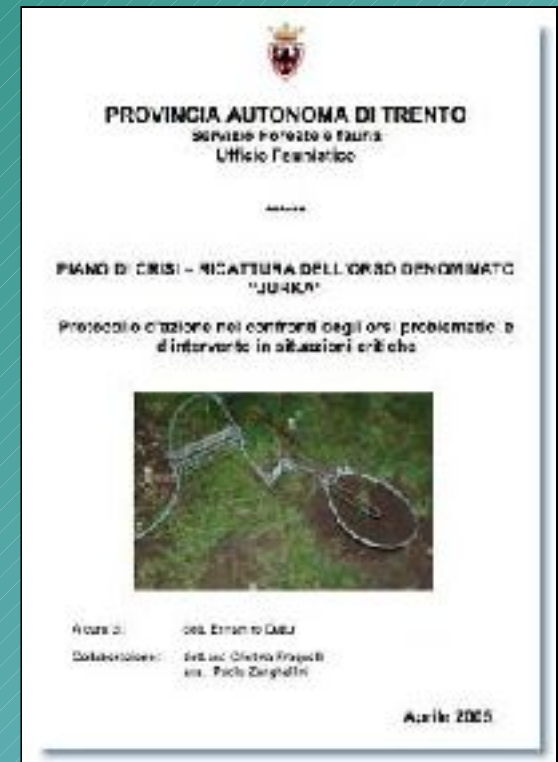
IRMA



A "problem bear": Jurka



Captured and removed, 2007



An unforgettable encounter!



Late Spring 2001: Daniza appears on the road...

...followed, after a while, by the last native old bear!



"Ordinary" Monitoring, *Life* *Ursus* Project



2003: finished



Radiocollared
founder bears



From 2002 until now

many
reproductive
events!



Last results (end of 2008):
24 bears
(11 adults
6 subadults
7 cubs)



After *Life Ursus* Project: current management

- Management of **dangerous situations** and **damages compensation**: PAT with its own staff: PAT rangers, etc.
- Only problem bears are captured and radiocollared. No radiocollars for research purposes.
- **Monitoring** and **communication activities**: cooperation between PAT and PNAB (Brown Bear Research and Conservation Team -GRICO- and Park rangers).
- **Scientific research**: PAT and PNAB. **Specific research projects in PNAB**: GRICO with rangers contribution.



Re-capture experiment



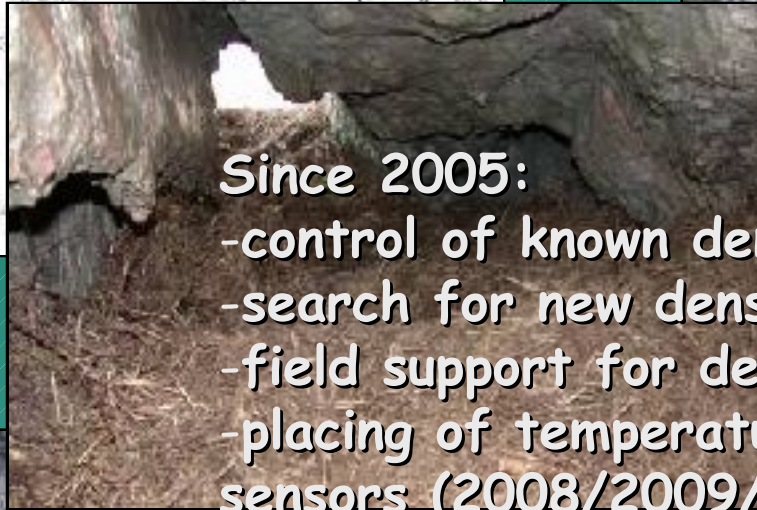
Photo-traps



2004/2005



Monitoring of historical and recent dens

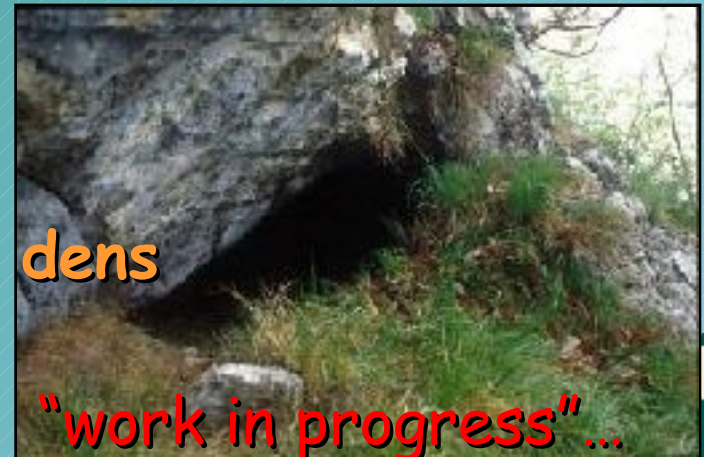


Since 2005:

- control of known dens;
- search for new dens;
- field support for degree thesis;
- placing of temperature/humidity sensors (2008/2009/2010).

63 dens

76 potential dens





PROVINCIA AUTONOMA DI
TRENTO

Monitoring and population trend: DNA analysis



Hair-traps



- selection of trap site
- assembly/disassembly of traps
- every 2 weeks: control and bait refill; collection of hair samples



Research: bear-human encounter survey

- 185 people interviewed
- 355 questionnaires filled

Questionnaire



PARCO NATURALE ADAMELLO BRENTA

Compilatore: _____ Data: _____
n° schedi: _____

AVVISTAMENTI ORSO: QUESTIONARIO

DATI ANCHESTRALI

Nome: _____
Cognome: _____
Anno di nascita (se possibile): _____
Professione: _____
Indirizzo: _____
E-mail: _____
Telefono: _____
Note: _____

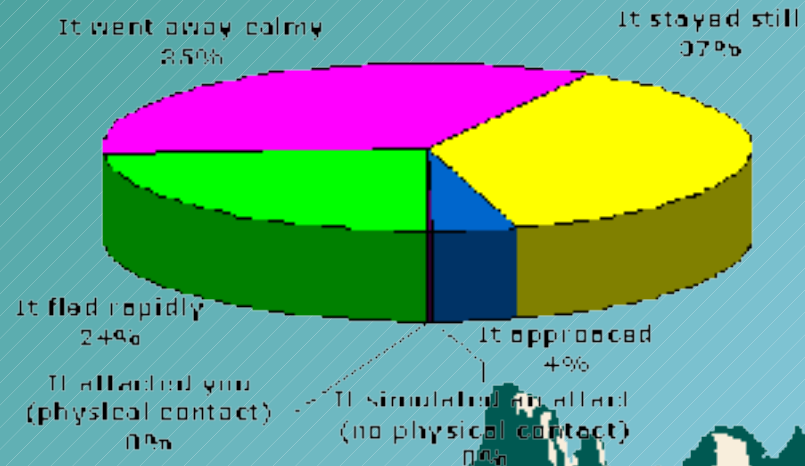
DATI AVVISTAMENTO

<p>Località: _____</p> <p>Età di chi ha visto l'orso (persone): <input type="checkbox"/> solo <input type="checkbox"/> con altri (se possibile): _____</p> <p>Modalità di osservazione "l'orso": <input type="checkbox"/> a distanza <input type="checkbox"/> a vista per strada <input type="checkbox"/> veicolo <input type="checkbox"/> altro (_____)</p>	<p>Quale: _____ Caratteristiche: _____</p> <p>Condizioni climatiche: <input type="checkbox"/> sole <input type="checkbox"/> pioggia <input type="checkbox"/> buio</p> <p>Posizione osservatore: "dorsale": <input type="checkbox"/> sopra <input type="checkbox"/> sotto <input type="checkbox"/> vicino <input type="checkbox"/> lontano <input type="checkbox"/> altro (_____)</p>
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

- contribution on questionnaire drafting
- interviews submitted on field and by phone
- data base updating



How did bear react to your presence



"work in progress"...

Collecting signs of presence: transects

2003-2004: 17
transects (total length
145 km) controlled once
a month (rangers and
GRICO's staff)



Finished: no convenience

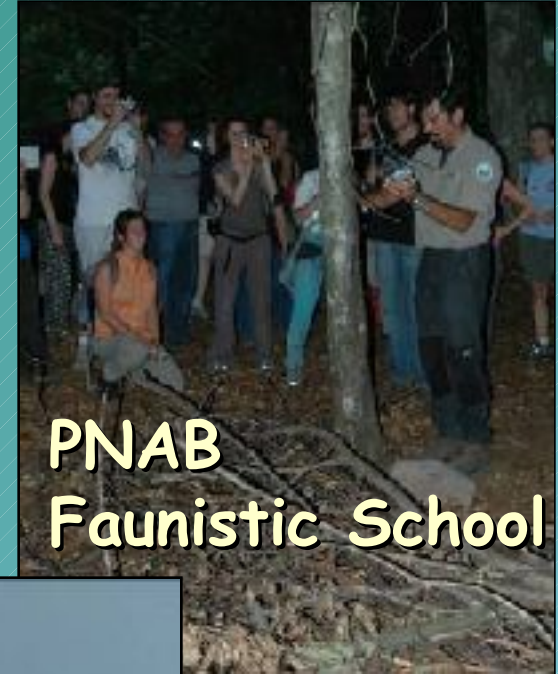
Communication about bears: every day is important!



Schools



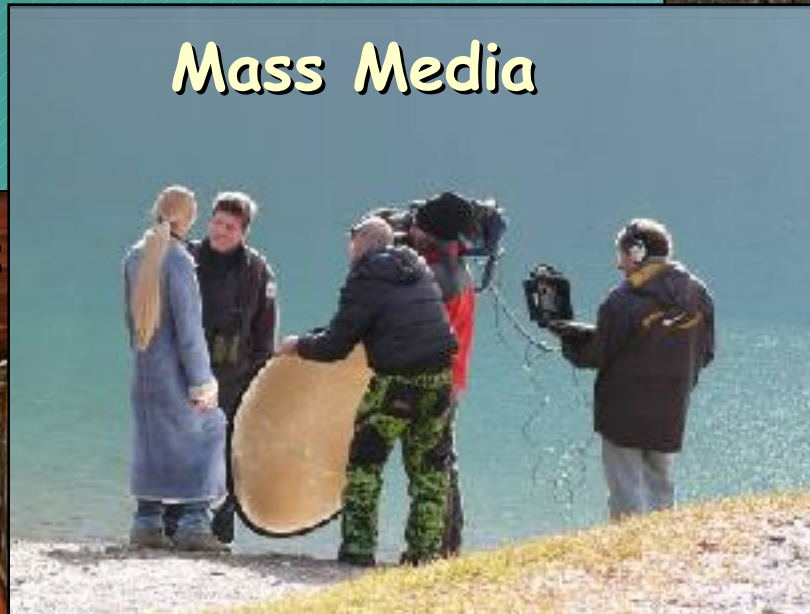
Stands & Fairs



PNAB
Faunistic School



Information Events



Mass Media



Publications

Field work: searching and collecting signs of presence



Fresh scats



Informations
about encounters



Hair from Rub Trees etc.



Other signs
of presence

ENTHUSIASM & DEDITION, EVERY DAY!

We have a dream...



**...dedicated to people that worked and are working with love
on the nature conservation, and of course to the *Lord of
the Woods*: the Brown Bear.**