

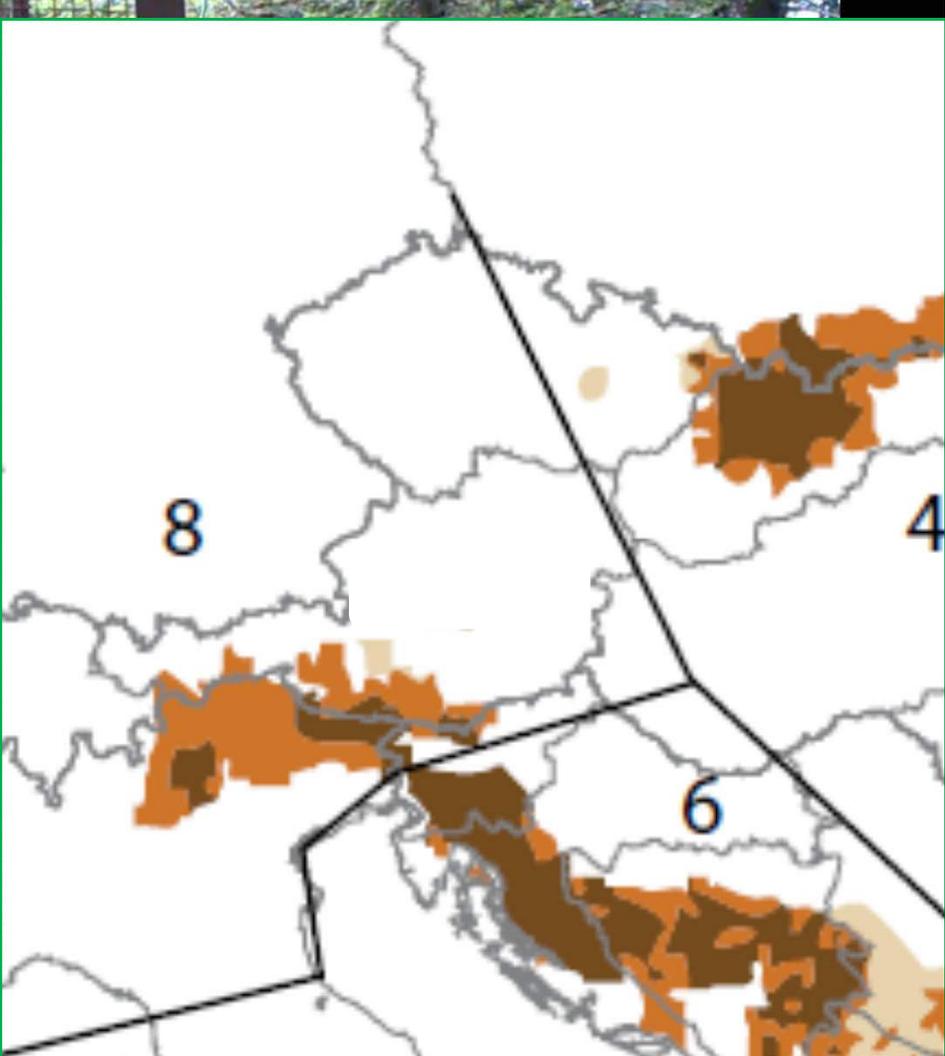
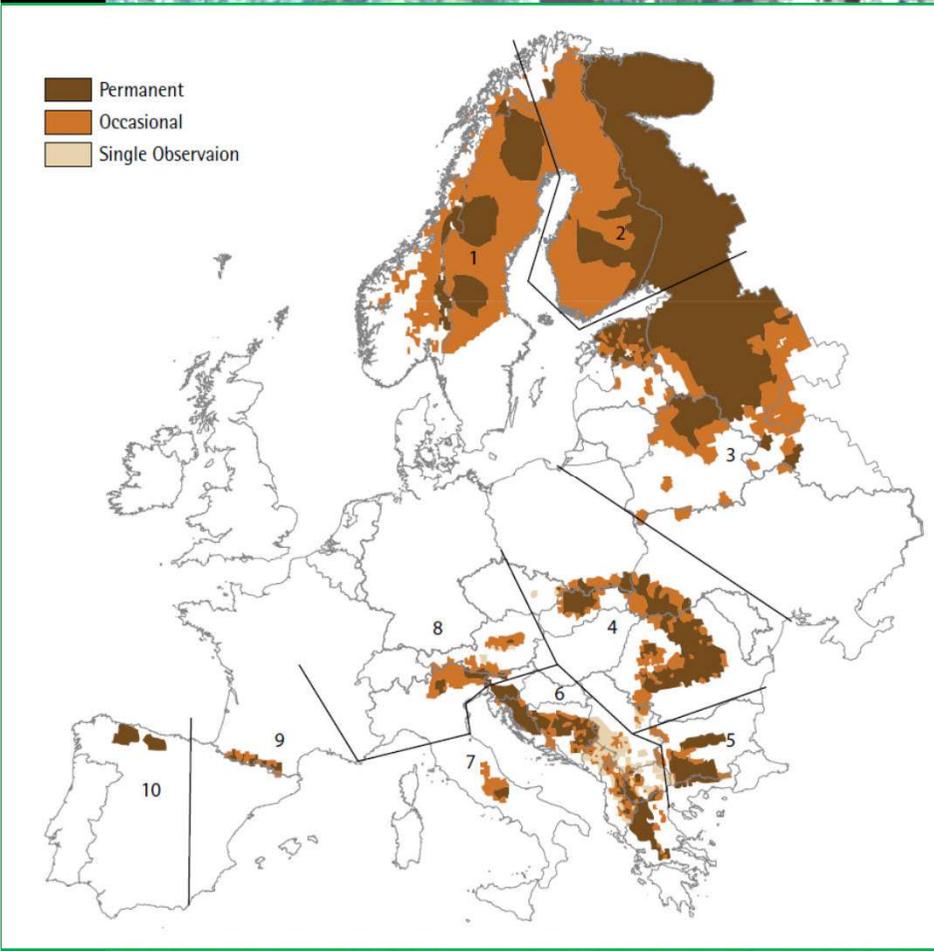


Brown bear , protected areas and connected habitat

Stefano Filacorda

University of Udine - Parco Naturale delle Prealpi Giulie

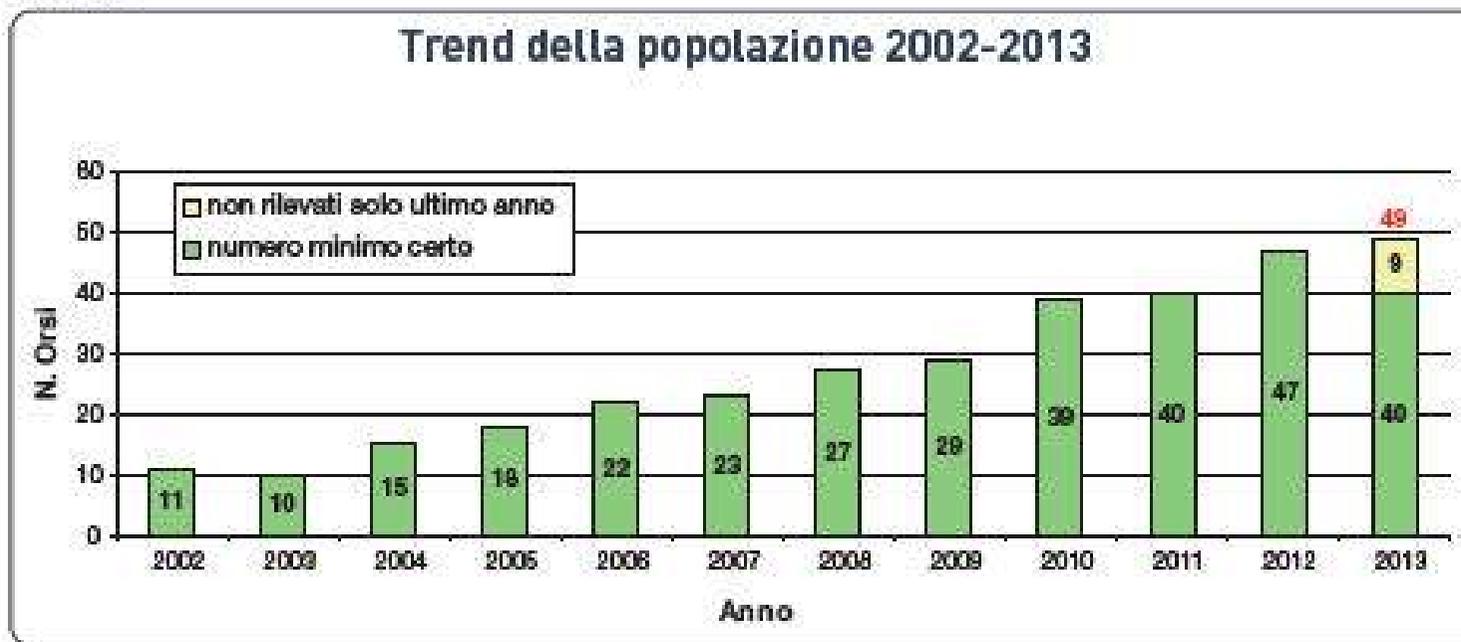
Distribution of the brown bear





Is present a metapopulation in the alps ? what is the trend of the source population and the presence in the sink areas ?

Grafico n. 5



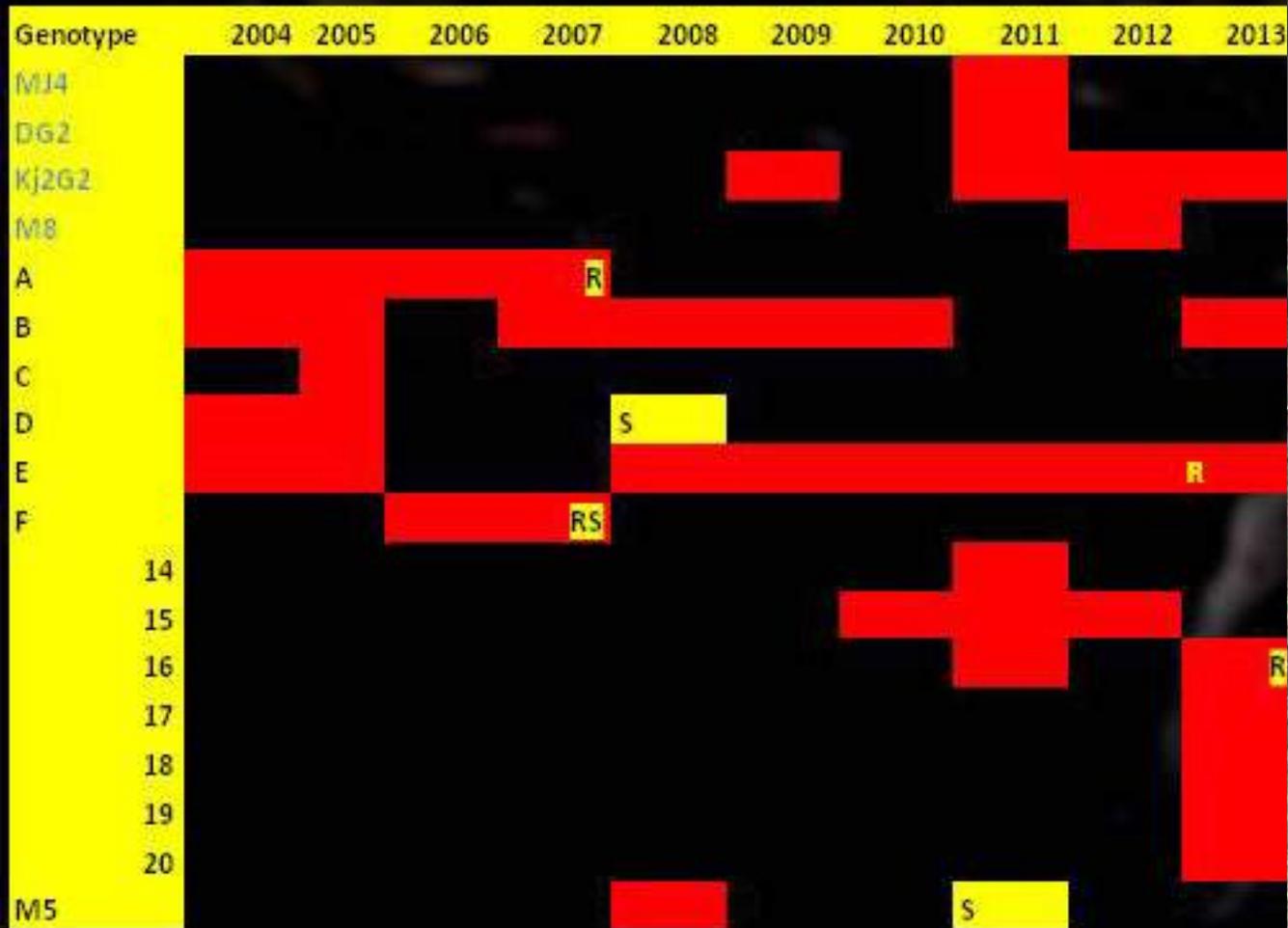
Il tasso medio di crescita annuale della popolazione di orsi, nel periodo 2002-2013,

riferito alla popolazione minima certa, è pari al 13,8%.

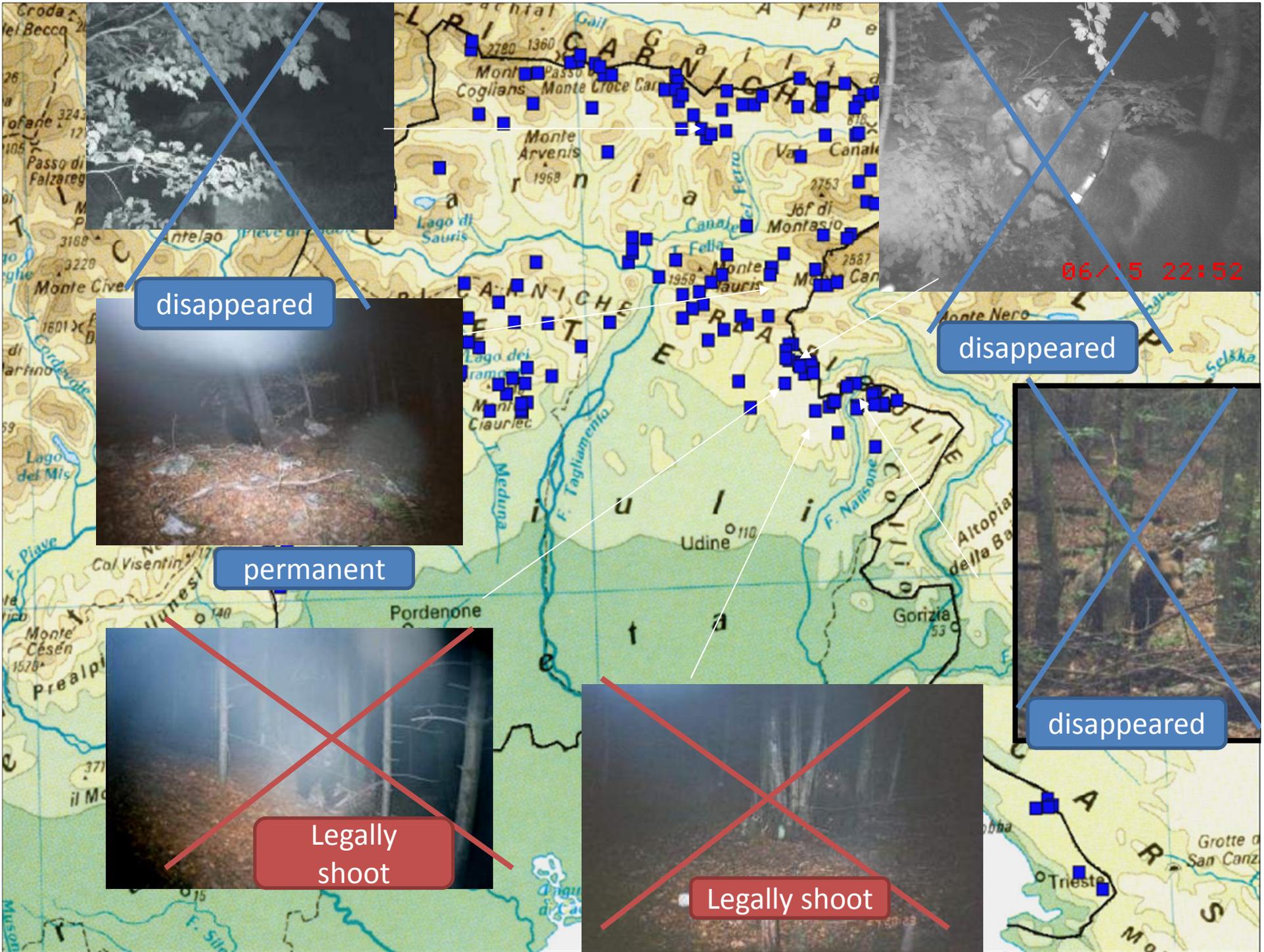
Evolution of the Trentino population



Foto n. 7 - La carcassa dell'orso M2 (A. Stringari - Archivio Servizio Foreste e fauna PAT)



The situation in the north eastern alps : no females, high turnover and constant low number of genotypes



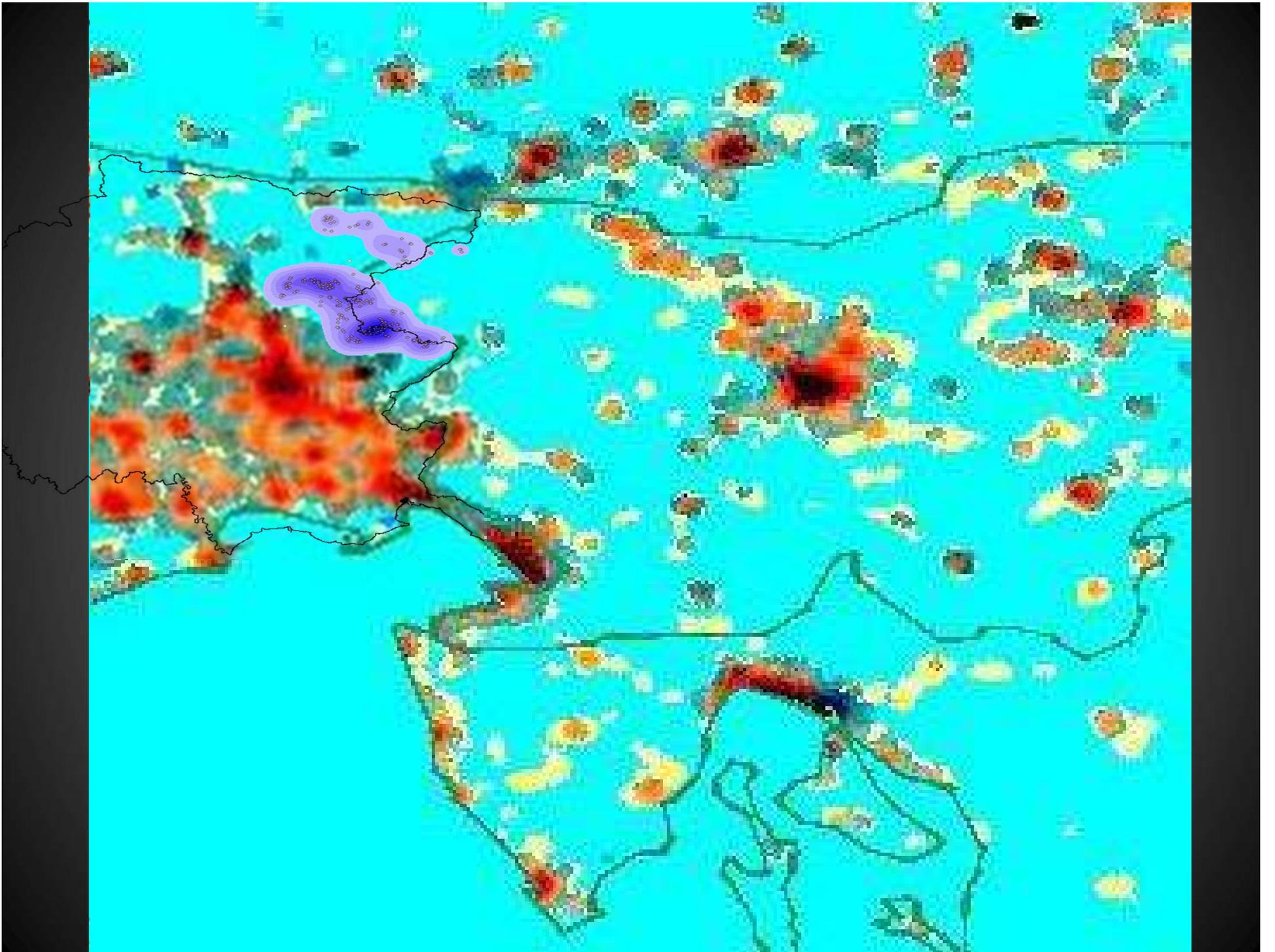
Bear requirements for surviving

Food

Large areas

Refuge





Bear requirements for surviving

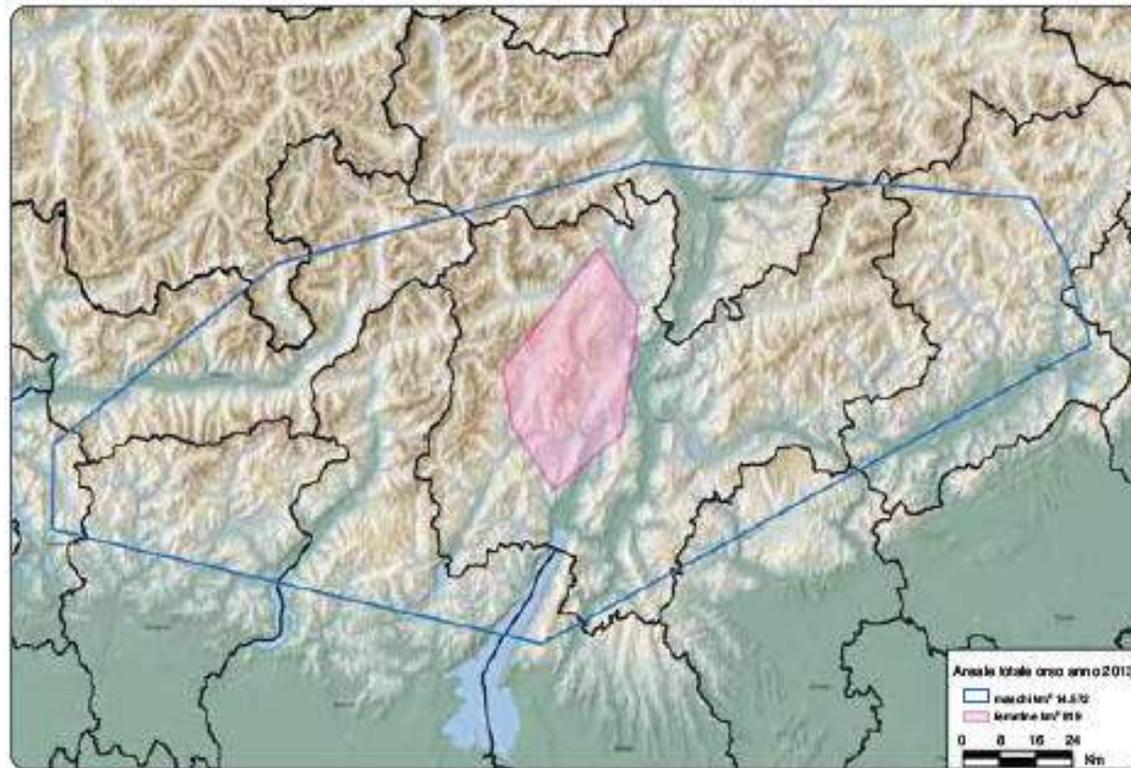
Acceptance e positive attitude (human dimension)



requirements for establishing a viable population

demography parameters: presence of structured populations and presence of females

Figura n. 2
Areale occupato dagli orsi nelle Alpi centrali nel 2013 (in celeste) con evidenziato all'interno il territorio stabilmente occupato dalle femmine (in rosa)



Bear requirements for dispersing

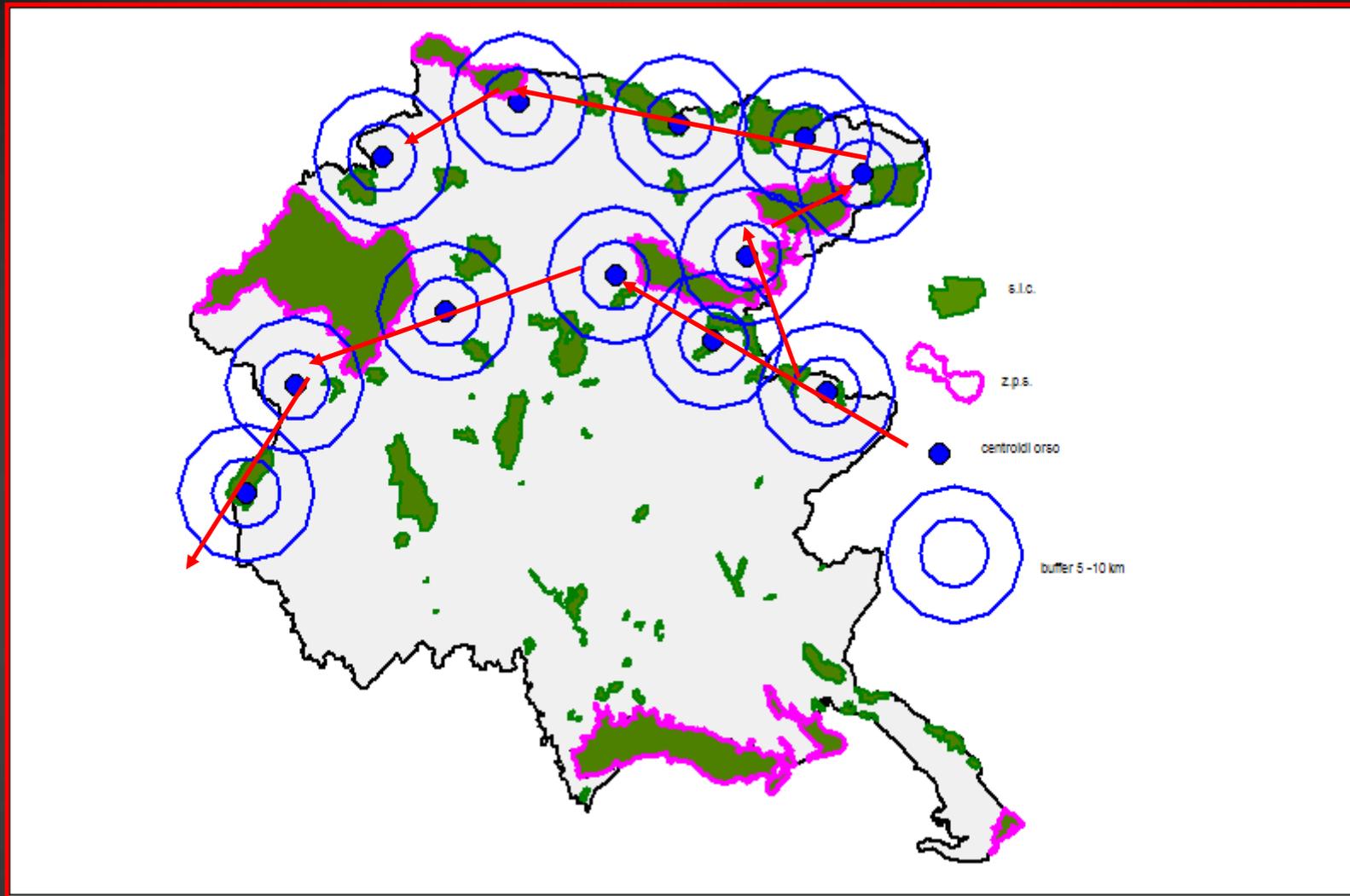


Demography
parameter
(presaturation
dispersion)

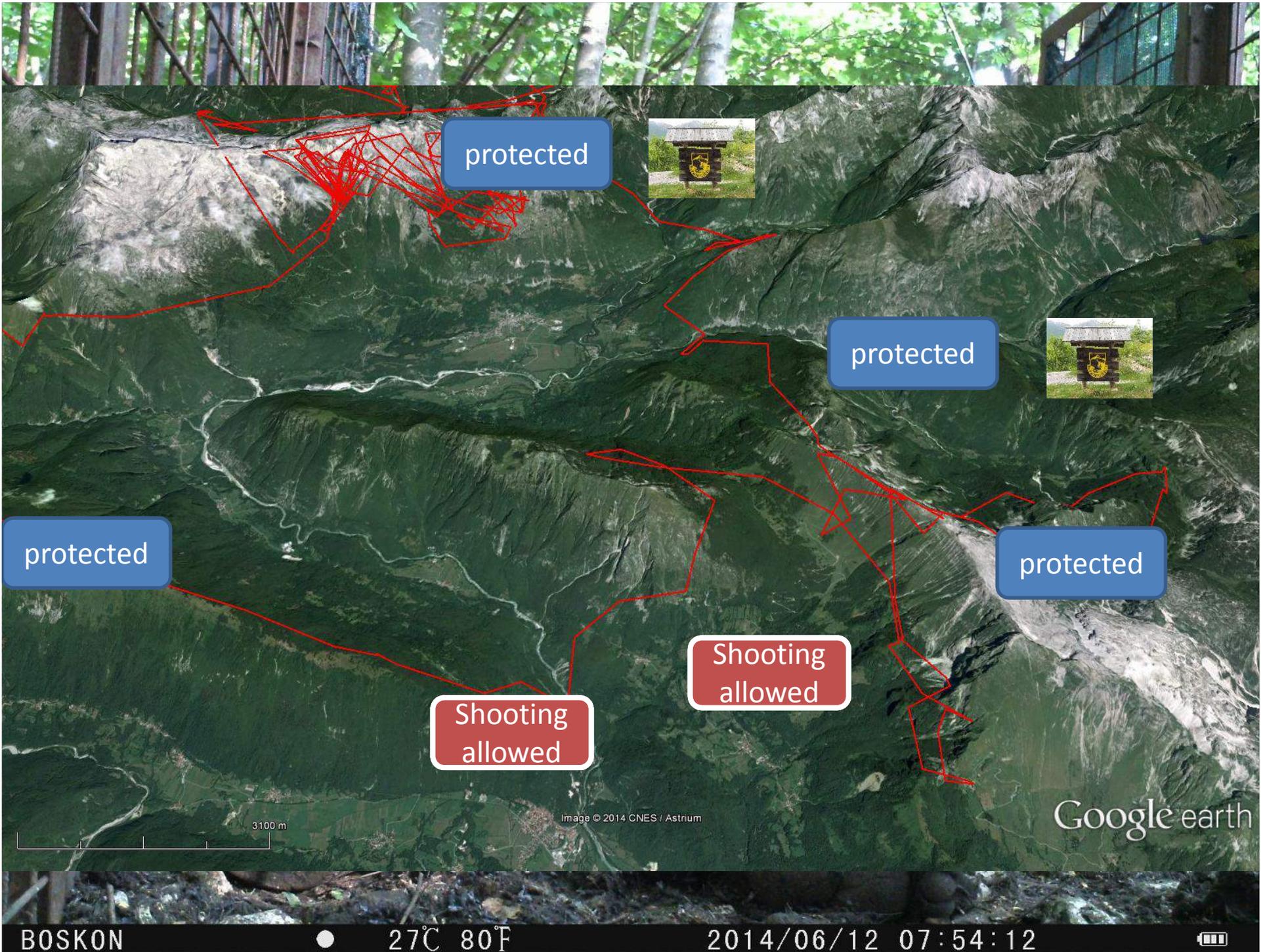


Refuge e
corridors, and
food supply

Acceptance- positive
attitude along the corridors



Bear signs of presence and natura 2000 network and corridors



protected



protected



protected

protected

Shooting allowed

Shooting allowed

3100 m

Image © 2014 CNES / Astrium

Google earth

BOSKON

● 27°C 80°F

2014/06/12 07:54:12





Ecological barrier

Last Position Mark

Political and cultural barrier



REPUBLIKA SLOVENIJA
MINISTRSTVO ZA KMETIJSTVO IN OKOLJE
KABINET MINISTRA

Dunajska cesta 22, 1000 Ljubljana

T: 01 478 90 32
F: 01 478 90 13
E: gp.mko@gov.si
www.mko.gov.si

stefano.filacorda@uniud.it

amministrazione.disa@uniud.it

Date: 3. 7. 2014

Subject: Notice of brown bear project by University Udine along the Slovenian Italian border

Dear Mr Filacorda,

We received your letter dated 26. 6. 2014, in which you inform us about a male brown bear with an electronic collar which is regularly crossing the border to the Slovenian side and about your concern that the bear could be shot.

Please find attached the explanation concerning that issue by our Environment Directorate.

We hope that you will meet this with understanding.

Sincerely,



Darja Kapš

Head of the Minister's Office



REPUBLIKA SLOVENIJA
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DIREKTORAT ZA OKOLJE

Dunajska cesta 22, 1000 Ljubljana

T: 01 478 73 10
F: 01 478 74 25
E: gp.mko@gov.si
www.mko.gov.si

stefano.filacorda@uniud.it

amministrazione.disa@uniud.it

Številka: 35605-19/2014/ 2

Datum: 3.7.2014

Subject: Notice of brown bear project by University Udine along the Slovenian Italian border

Dear Mr Filacorda,

We have received your letter from the University of Udine that in the LIFE project »Arctos« a male brown bear was equipped with an electronic collar in the vicinity of the border with Slovenia on the 12 of June 2014. You tell us that from the results of the monitoring it is evident that the bear is regularly crossing the border to the Slovenian side and that you are worried that the bear could be shot on this side as an existing administrative decision for removal of one brown bear has been issued for this area.

It is a fact that on the 17 of April 2014 an administrative decision allowing the taking of a wild brown bear (*Ursus arctos*) from the nature by shooting has been issued by the Slovenian Environment Agency in accordance with the Decree on protected wild animal species. The administrative decision is valid for taking from the nature of one brown bear weighting 150 kg. It could be taken from the pastures and their close surroundings in the area of Kobariški Stol, Matajurj, Krasji vrh and on the banks of the River Učja, an area where a damage has been caused by brown bear in the recent past. In years 2012 and 2013 around 150 farmed animals have been injured or killed by brown bear in this area. The damage was again caused in the early spring of 2014. The issuance of the administrative decision, which could be implemented by managers of hunting areas of Bovec, Kobarid and Drežnica, was based on this.

While implementing this administrative decision, managers of hunting areas of Bovec, Kobarid and Drežnica must however take into consideration provisions of hunting and nature protection legislation and the administrative decision issued by the Slovenian Environment Agency. They also receive an expert support by the local regional unit of the Slovenian Forest Service from Tolmin. Therefore it is of great importance that you keep informing the Slovenian Forest Service, as you are doing now, of the movement of the collared bear, as those data will contribute to their decisions if new damage event occur in a future.

An administrative decision allowing the taking of a wild brown bear from the nature by shooting is issued in Slovenia only in exceptional cases when the need for this measure is clearly

established so as it was in this particular case. The damage was caused in this area in years 2012, 2013 as well in this year. The administrative decision was issued based on a fact that all other options have been exhausted and that this taking will not threaten the bear population.

Based on your letter we will send the managers of the hunting areas of Bovec, Kobarid and Drežnica a separate letter in which we will notify them about the collared bear and ask them to give special care to it.

Sincerely yours,




Mag. Tarja Bolte
Director general

V vednost:

- ZGS OE Tolmin; OETolmin@zgs.si
- ZGS, Marko Jonozovič; marko.jonozovic@zgs.gov.si
- ZGS, Izlok Koren; iztok.koren@zgs.gov.si
- ZRSVN ,Darj Krajčič; darj.krajcic@zrsvn.si
- Klemen Jerina; klemen.jerina@gmail.com
- ARSO, Urška Mavri; urska.mavri@gov.si
- LD Bovec, borut.kravanja@siol.net
- LD Kobarid; lov.kob@siol.net
- LD Drežnica; ld.dreznica@siol.net



UNIVERSITÀ DEGLI STUDI DI UDINE
DIPARTIMENTO DI SCIENZE AGRARIE E AMBIENTALI

Piero Genovesi
ISTITUTO SUPERIORE PER LA PROTEZIONE E LA RICERCA AMBIENTALE
piero.genovesi@isprambiente.it

Chiara Bertolini
REGIONE FRIULI VENEZIA GIULIA
chiara.bertolini@regione.fvg.it

Umberto Fattori
REGIONE FRIULI VENEZIA GIULIA
umberto.fattori@regione.fvg.it

Giuliana Nadalin
REGIONE FRIULI VENEZIA GIULIA
giuliana.nadalin@regione.fvg.it

Massimo Stroppa
REGIONE FRIULI VENEZIA GIULIA
massimo.stroppa@regione.fvg.it

Paolo Cecon
UNIVERSITÀ DEGLI STUDI DI UDINE
p.cecon@uniud.it

prof. Alberto Felice De Toni, rettore
UNIVERSITÀ DEGLI STUDI DI UDINE
rettore@uniud.it

Object: urgent measures to safeguard the brown bears along the Italian-Slovenian border, with special attention to the radiocollared animals

In relation to the our letter, we have recieved the specifications regarding the management issues of the Brown bear in the trans boundary areas between Slovenia and Italy, in the Natiza and Soca valley. We want to thank for these informations and for your availability to give a special care to the animal monitored. We hope, for the future, to establish a common management plan for the radiocollared animals, that we consider a common and important patrimony of information. We are willing to contribute, thank to data collected, at the definition of common guidelines, in the transboundary areas, for nature conservation in respect to the different traditions, legislations, and human activities. The brown bear radiocollared, now is again on the Slovenian side, near Bovec; this animal despite having spent over 20 days in an area with a flock of 700 sheep (with two dogs and one shepherd during day, else during the night the sheep are fenced, with a simple mesh fences and with two dogs linked at the trees) did only a single predation, during the first night of arrival (during that night the sheep were free in the woodland) and every night it used a



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feeding points of hunters far away around 300-500 m from the flock; this predation has been the only damage reported for this bear during one month spent on the Italian alps. we undertake to inform you in real time on the movements of this animal and other brown bears present in the border areas.
kind regards

Udine, li 31/07/2014

Dott. Stefano Filacorda

Ecological condition

Availability of food

high

Availability of refuge

high

Presence of corridors-
permeability

middle

The level of acceptance –
positive attitude

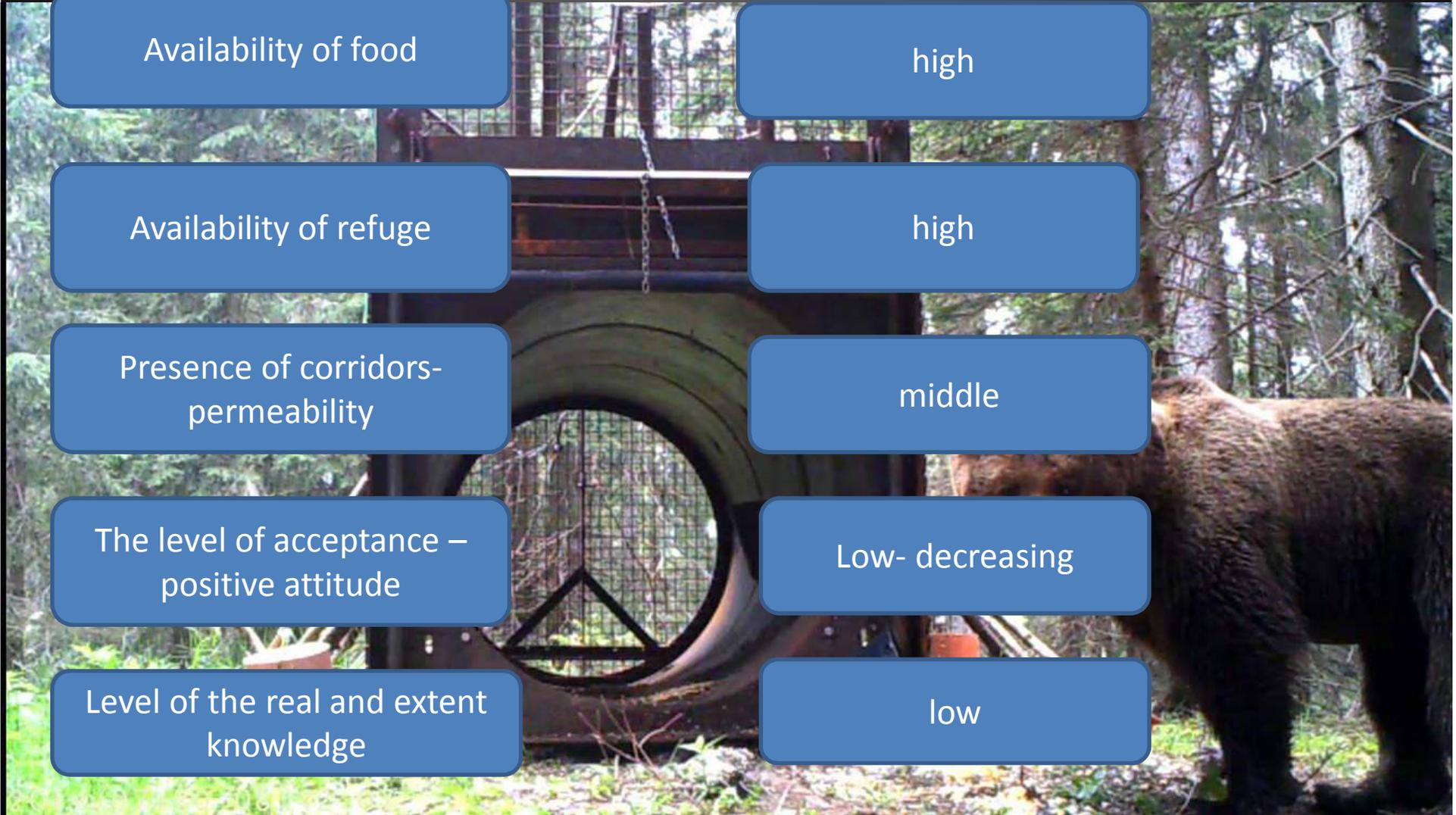
Low- decreasing

Level of the real and extent
knowledge

low

level of cooperation and
common policy

Absent- no positive
signs



Rate of change

The refuge are relative stable and also the corridors

low

The demography parameters change in respect to the local management

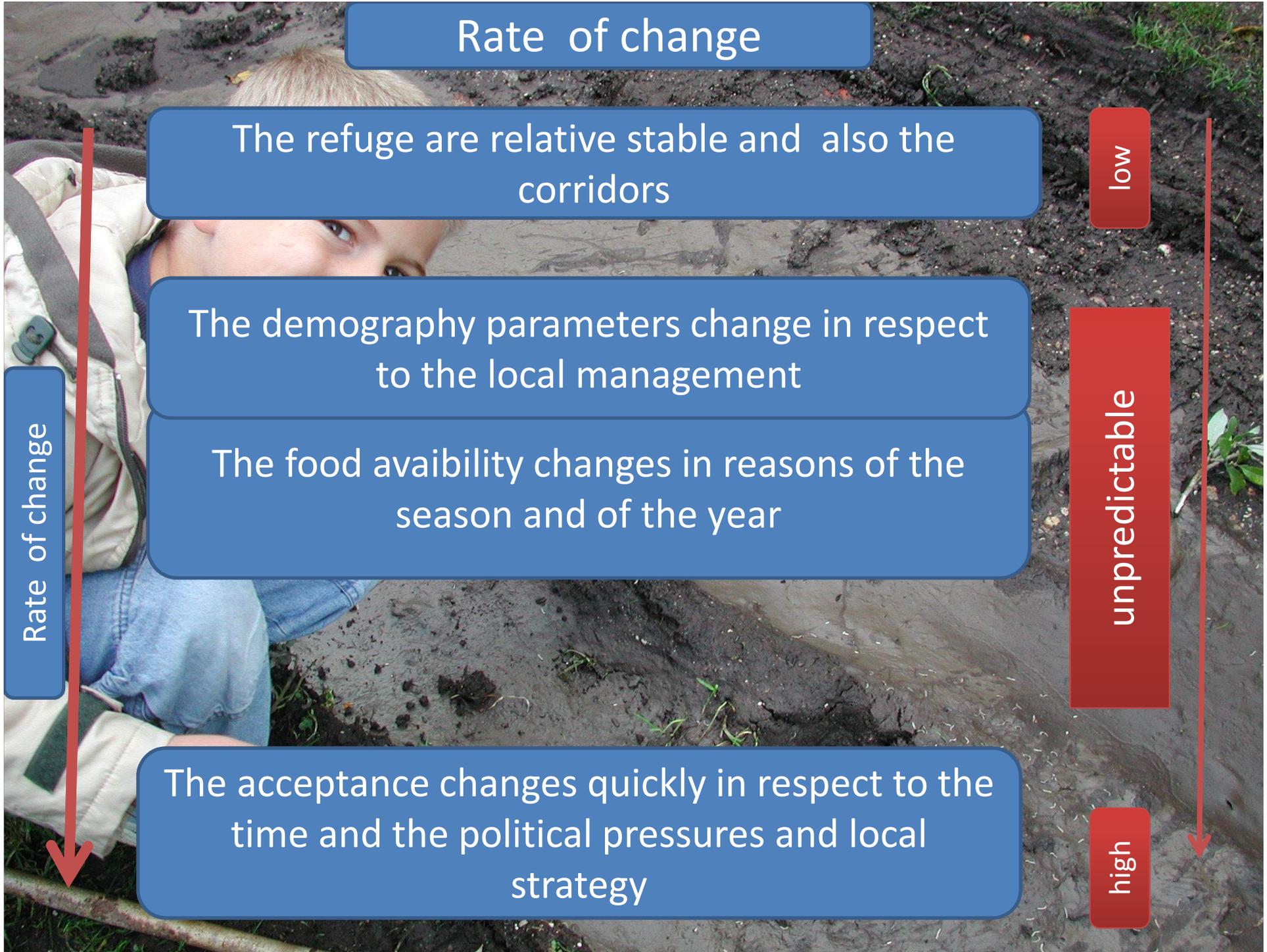
The food availability changes in reasons of the season and of the year

unpredictable

The acceptance changes quickly in respect to the time and the political pressures and local strategy

high

Rate of change



The trend of the human attitude (positive) and increasing of bear are decoupled

Number of bear

Acceptance
Positive attitude

?

"Caution - Bear! Movement re...
was produced and published in...
nian People's Party and its off...
ing bears as dangerous, untam...
and by describing humans as i...
scudleting conflicts and igno...
realistic and sound presentation of bears, they are attempting
to create the impression th... man is losing control over nature.
This is of course at odds with the Western anthropocentric logic
of the prevalence of man over nature, so radical measures are
needed.

Why ?

Absence of a real involvement of the local communities (is not enough to give mitigation measures)

Not a real exchange of information between the research and administrative unit and toward the local communities

A wooden signpost stands in a mountainous landscape. The signpost has a yellow bear logo on it. The background shows green trees and mountains under a clear sky. The signpost is made of dark wood and has a yellow bear logo on it. The logo is a stylized bear walking to the right, with the word 'PARK' written below it. The signpost is positioned in the center of the image, and the text boxes are overlaid on it.

What is the role of the protected areas for the conservation of the brown bear ?

A network for improving the acceptance –positive attitude

A laboratory for the scientific research

A network of connected habitat of “positive” culture

A laboratory for experiences of coexistence and rural development (demonstrative and innovative projects)

ALPARC Workshop „Wildlife and
connected habitats”

OR

ALPARC Workshop „Wildlife and
connected experience of positive
attitude and involvement”

Thanks to Andrea Mustoni