



# "Best practices and demonstrative actions for conservation of *Ursus arctos* specie in Eastern Carpathians Romania - LIFEURSUS "

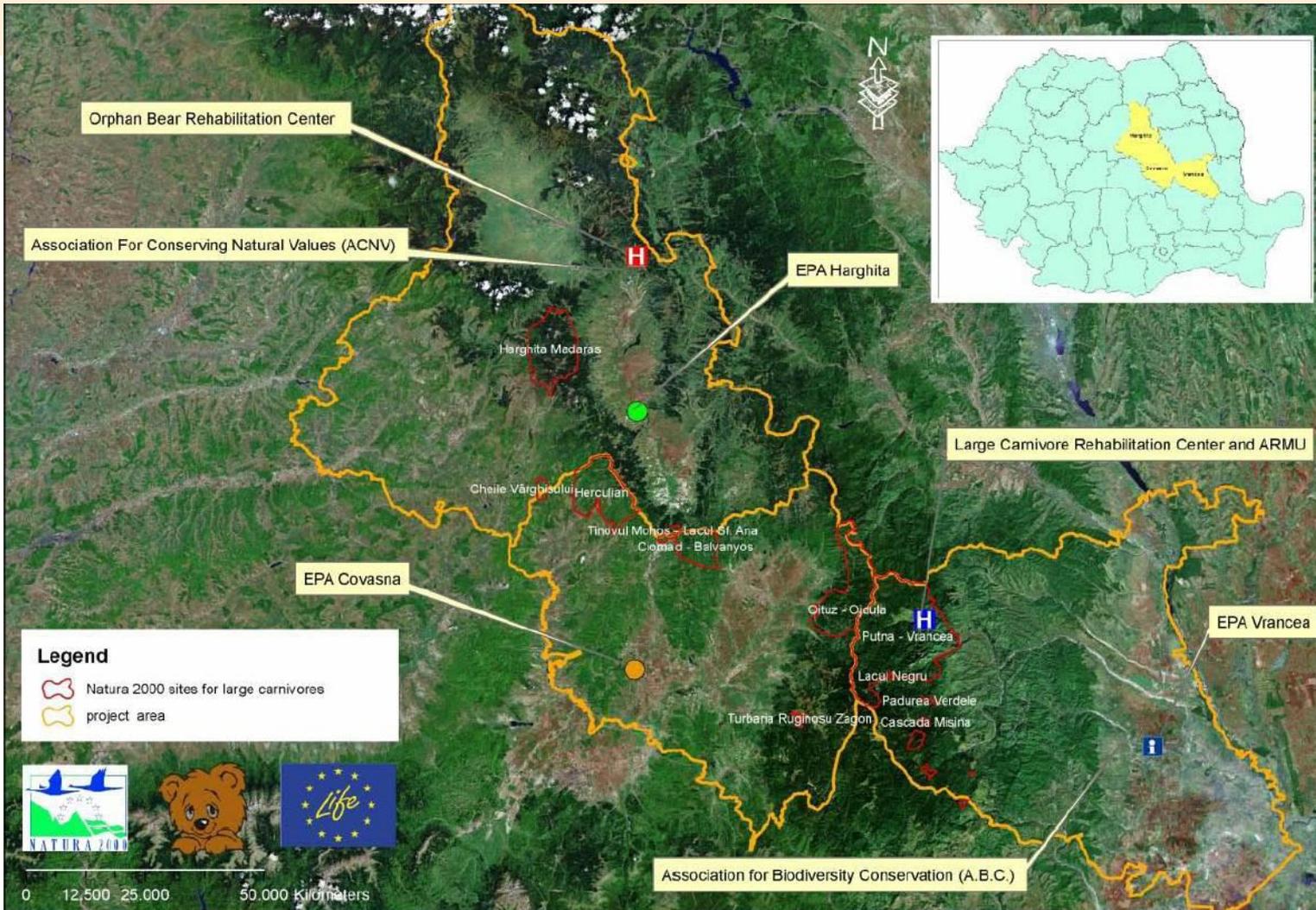
**LIFE08 NAT/RO/000500**

**Ioan Mihai POP, SZABO Szilard**



APM Vrancea

Parteneri: APM Covasna, APM Harghita, ACNV, ACDB



APM Vrancea  
 Parteneri: APM Covasna, APM Harghita, ACNV,  
 ACDB



CONTROL PANEL

### PROJECTS UNDER IMPLEMENTATION

- **LIFE URSUS - LIFE08NAT/RO/000500**

Best practices and demonstrative actions for conservation of Ursus arctos specie in Eastern Carpathians Romania



[SEE PROJECT DETAILS](#)

### IMPLEMENTED PROJECTS

- **LIFE05NAT/RO/000170**

Enhancing the protection system of large carnivores in Vrancea County



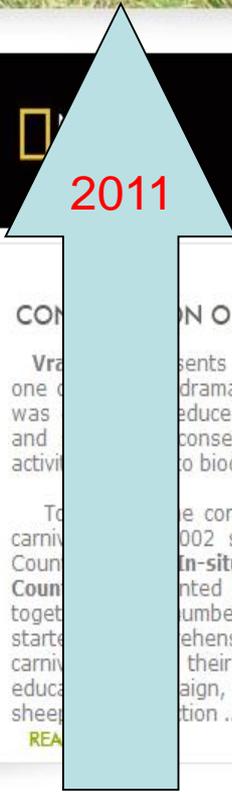
[SEE PROJECT DETAILS](#)

- **LIFE02NAT/RO/8576**

In-situ conservation of large carnivores in Vrancea County



[SEE PROJECT DETAILS](#)



2011

2002

### CONSERVATION OF LARGE CARNIVORES IN VRANCEA COUNTY

Vrancea County represents a region where nature conservation has suffered dramatic developments in terms of protected area. This was reduced in 2000, threatening the existence of habitats and of species of conservative interest. In the year 2002, in Vrancea County, no biodiversity conservation were almost nonexistent.

To improve the conservation actions of environment (including large carnivores) in 2002 started the first LIFE Nature project in Vrancea County - **In-situ conservation of large carnivore in Vrancea County** - supported by the Environmental Protection Agency Vrancea County together with a number of partner institutions. After that moment, it was started a comprehensive program that includes protection of large carnivores, their habitat, which used telemetry studies, an educational campaign, establishment the Barsesti Demonstration Area for sheep rearing.



WE RECOMAND



# Results of the closed projects



UNIVERSITATEA din BUCUREȘTI  
CENTRUL de CERCETARE a MEDIULUI și  
EFECTUARE a STUDIILOR de IMPACT  
Bd. Nicolae Bălcescu Nr. 1, Sector 1,  
Cod poștal 010041, București, România  
Tel: +40(21)3103672;  
Fax: +40(21)3103672;  
E-mail: ccmesi@yahoo.com.



LIFE02/NAT/RO/8576  
"Conservarea in situ a carnivorelor mari în județul Vrancea"



## Studiul de fezabilitate pentru Rețeaua ecologică de protecție a carnivorelor mari din județul Vrancea



LIFE02/NAT/RO/8576  
"Conservarea in situ a carnivorelor mari din județul Vrancea"



## PLANUL DE MANAGEMENT AL CARNIVORELOR MARI DIN JUDEȚUL VRANCEA



Focșani 2005

CCMESI, Universitatea din București  
Agenția de Protecție a Mediului Vrancea  
Direcția Silvică Focșani

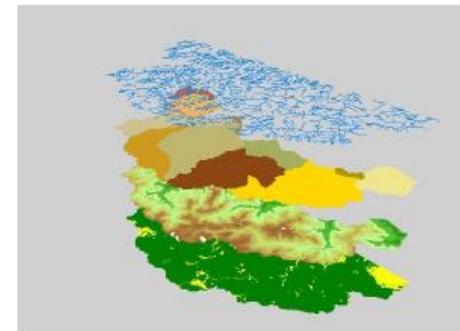
Planul de management al carnivorelor mari din Vrancea



## MONITORIZAREA CARNIVORELOR MARI DIN JUDEȚUL VRANCEA PRIN RADIO TELEMETRIE ȘI GPS

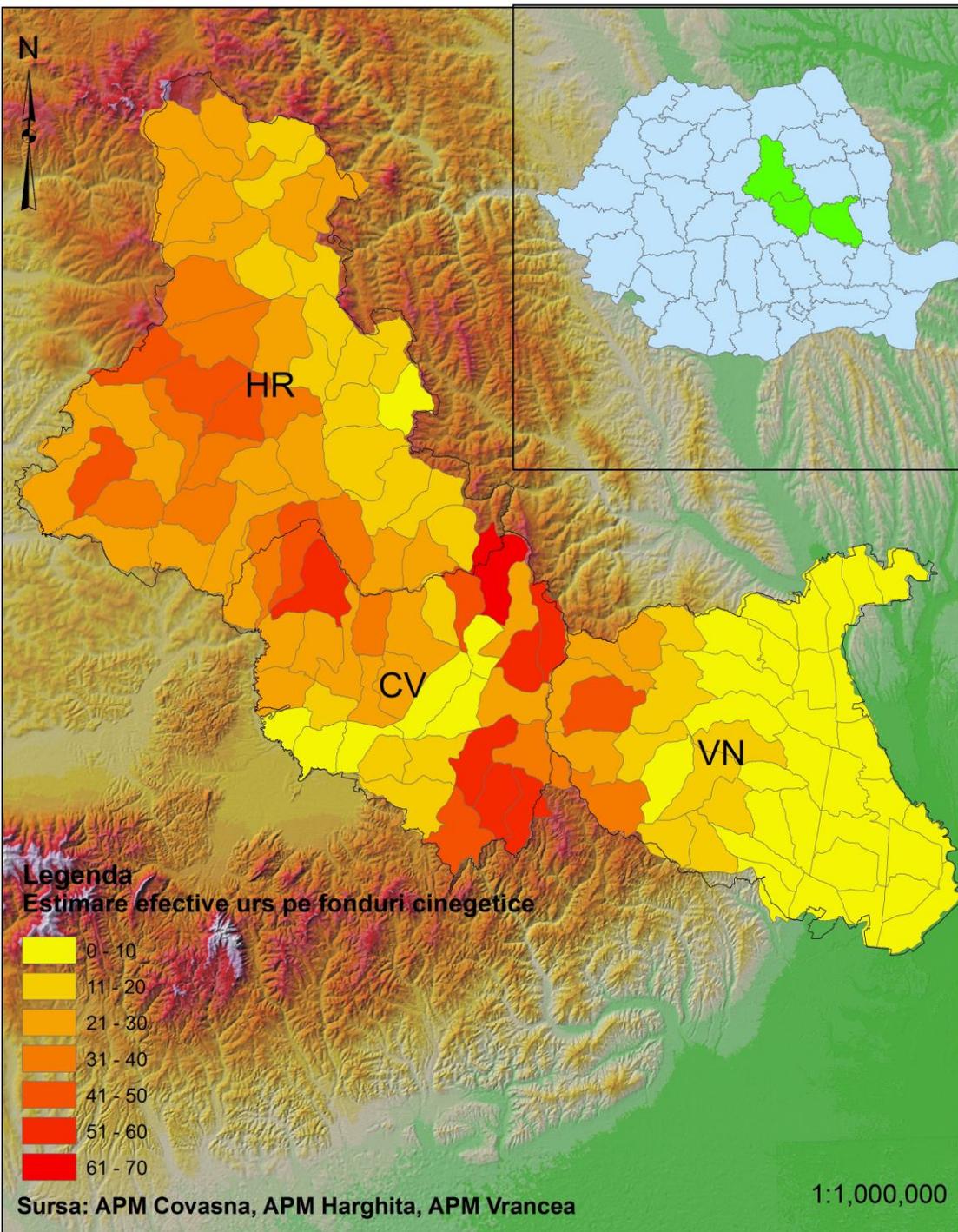
LIFE05NAT/RO/000170

## ANALIZA GAP A SISTEMULUI DE ARII PROTEJATE RAPORTAT LA DISTRIBUȚIA SPECIILOR DE CARNIVORE MARI



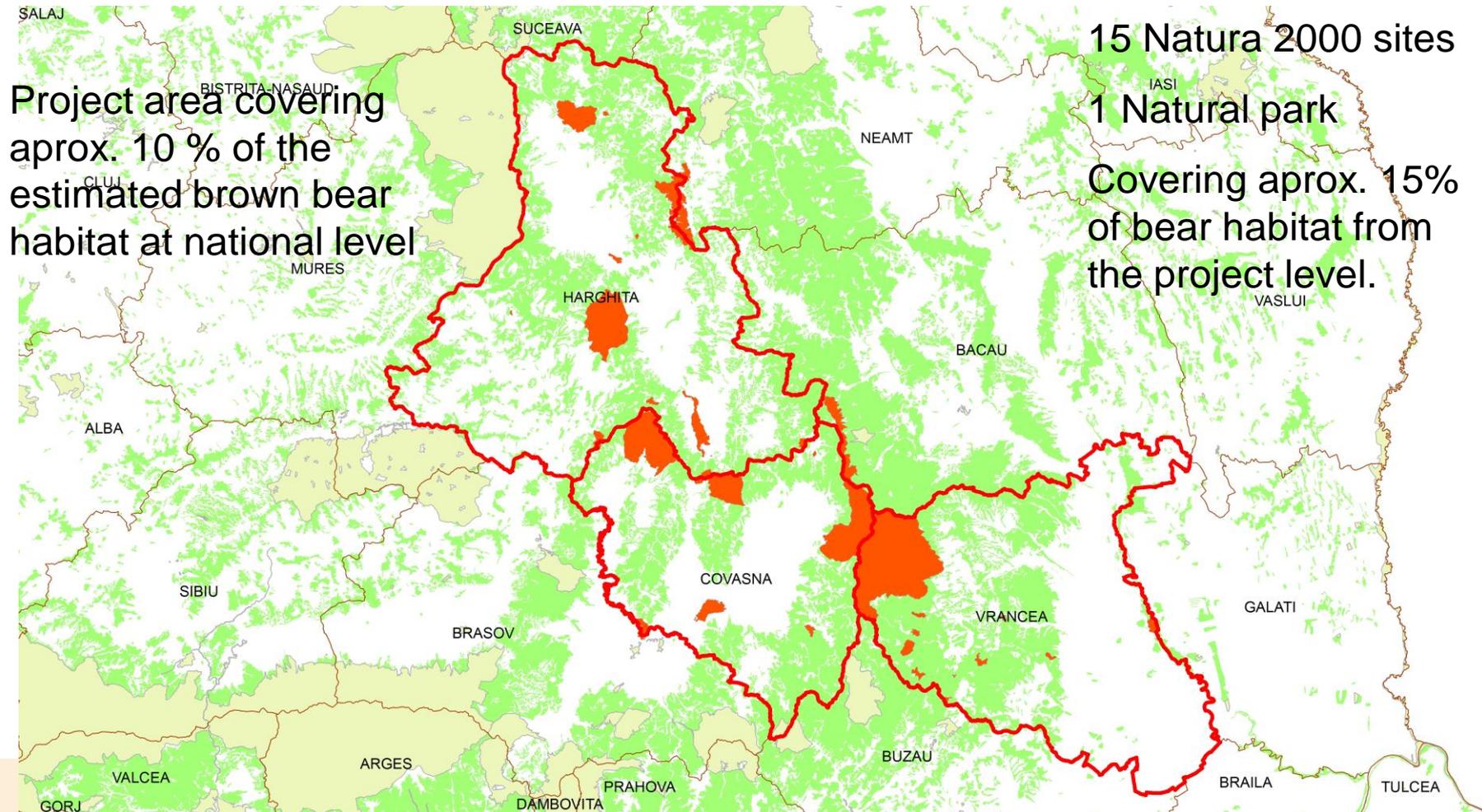
Proiectul LIFE NATURE LIFE02/NAT/RO/8576  
"Conservarea in situ a carnivorelor mari în județul Vrancea"







## Protected areas and Natura 2000 SCI in the project area





**PROJECT LOCATION: Vrancea, Covasna and Harghita County**

**BUDGET INFO:**

**Total amount: 515.066 €**

**% EC Co-funding: 75% - 386.300 €**

**DURATION: Start: 15/01/10 - End: 20/12/13**

**PROJECT'S IMPLEMENTORS:**

**Coordinating Beneficiary: LEPA Vrancea**

**Associated Beneficiary(ies): LEPA Covasna, LEPA Harghita,  
ACNV, ABC**



# Background and aims

- Brown bear (*Ursus arctos*) is the target specie of the project.** The main threat identified on the project area is the **intensification of the conflicts** with local people due to the damages caused by bears on livestock and crops. Other threats are related to:
- the degradation of the brown bear habitat,
  - the lack of optimal methodology for brown bear population monitoring and number estimation,
  - the negative image of the brown bear among local people and
  - the lack of understanding of the Natura 2000 network goals and importance.



# Project objectives

## **Main objectives** of the project:

- Maintaining the actual conservation status of the brown bear population using some of the best practices and demonstrative actions and promoting these practices and actions at national and European level,
- To prevent the decline of the brown bear population due to poaching, habituation and juvenile mortality,
- To reduce and prevent the conflicts between bears and local people,
- Maintaining the actual conservation status of the target specie in the 15 Natura 2000 sites overlapped on the project area.

APM Vrancea

Parteneri: APM Covasna, APM Harghita, ACNV,  
ACDB



# Main activities

- Demonstrative application of a set of methods for quantitative and qualitative evaluation of brown bear population levels in the areas administrated by game manegers.
- Creation of an operative entity on the whole surface of the project, which will asses the existing risks and necessary measures in situations created by problem bears.
- Extending the action area of the Animal Rescue Mobile Unit (ARMU) at the level of the whole project and insuring of fast interventions for capturing, relocating and monitoring of problem making individuals.
- Reducing of juvenile mortality caused by human disturbance, with the protection of dens in the birth and cub nursing periods.

APM Vrancea

Parteneri: APM Covasna, APM Harghita, ACNV,  
ACDB

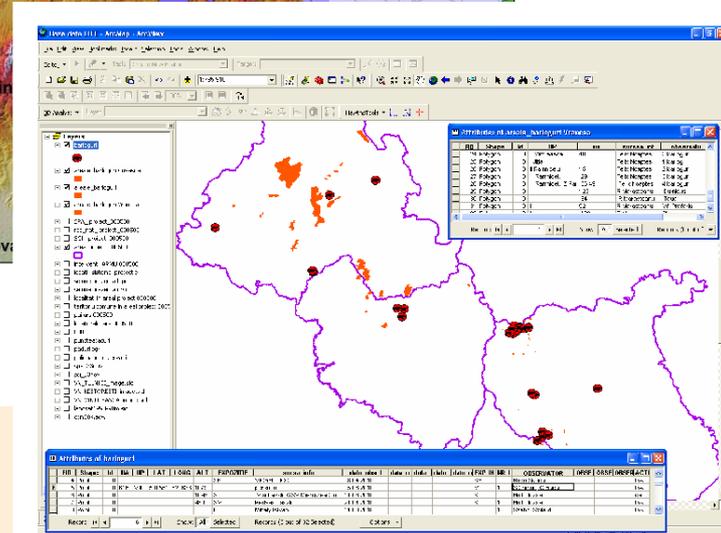
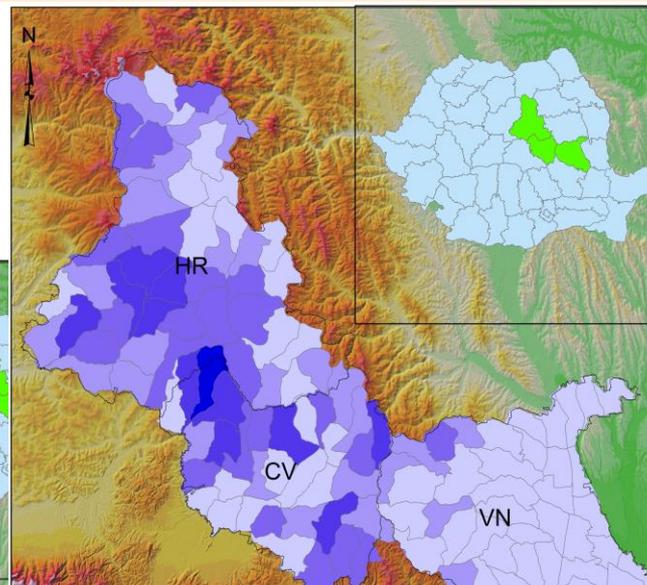
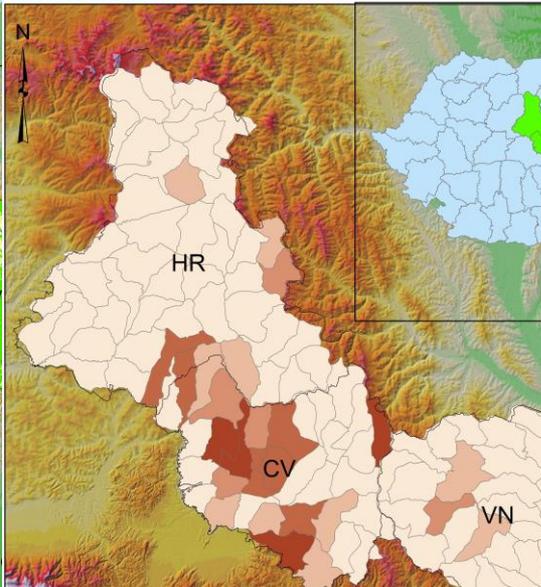
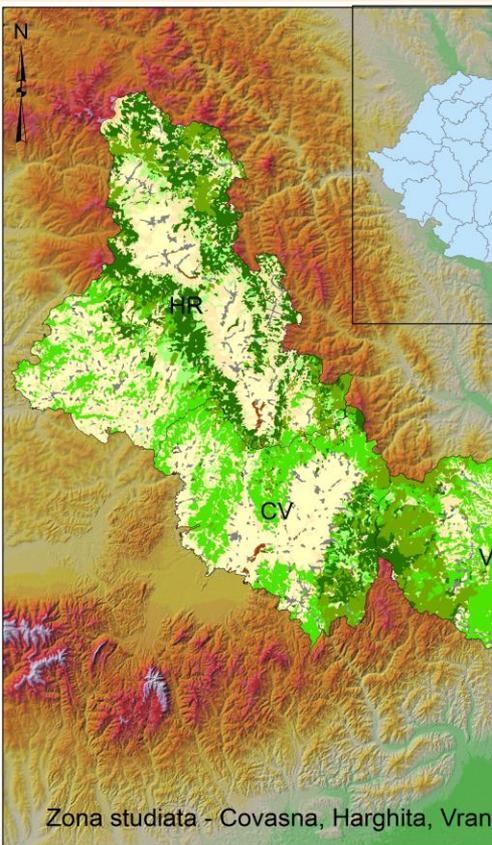


# Main activities

- Mapping the fragmentation and degradation of the bear habitat on the project area.
- Implementing at the level of the whole project demonstrative live stock and crop protection systems using proper equipments and repellent materials.
- Public awareness rising campaign for the products of the local farmers and traditonal handcrafts as tool to improve coexistence with bears in the Natura 2000 sites.



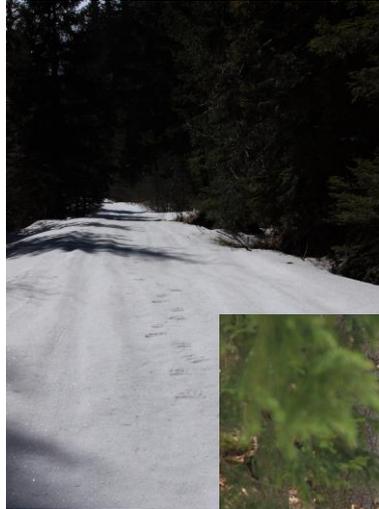
# Mapping the existing information







## Set of methods for quantitative and qualitative evaluation of brown bear population



APM Vrancea

Parteneri: APM Covasna, APM Harghita, ACNV,  
ACDB



# Den monitoring



APM Vrancea  
Parteneri: APM Covasna, APM Harghita, ACNV,  
ACDB



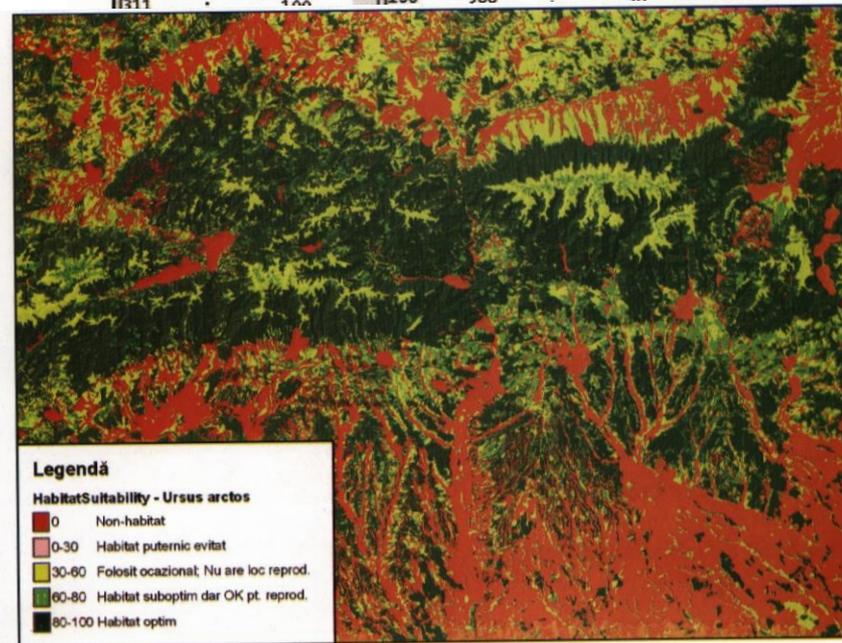
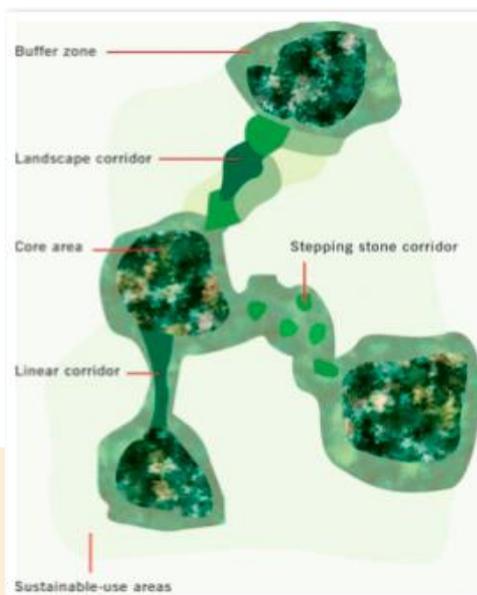
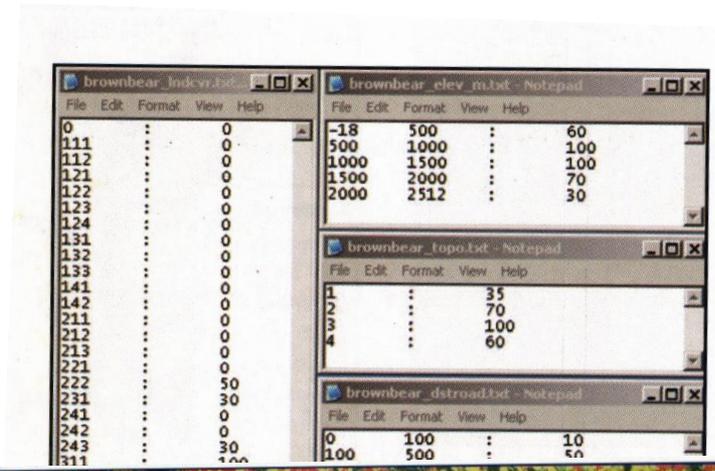
# Analyzing the level of degradation and fragmentation of the bear habitat

The aim of this action is to analyze the degradation of habitats caused by human activities in Natura 2000 sites and neighborhood in the whole project area, pinpointing the most affected areas, which becomes improper for the brown bear.

A report will be developed about results of this action and will be proposed a set of measures necessary to reduce the degradation and fragmentation in both 15 Natura 2000 sites from project area.

APM Vrancea

Parteneri: APM Covasna, APM Harghita, ACNV,  
ACDB



Modelul calității habitatului pentru ursul brun (*Ursus arctos*)



Ursi\_clc\_dec\_2009 - ArcMap - ArcInfo

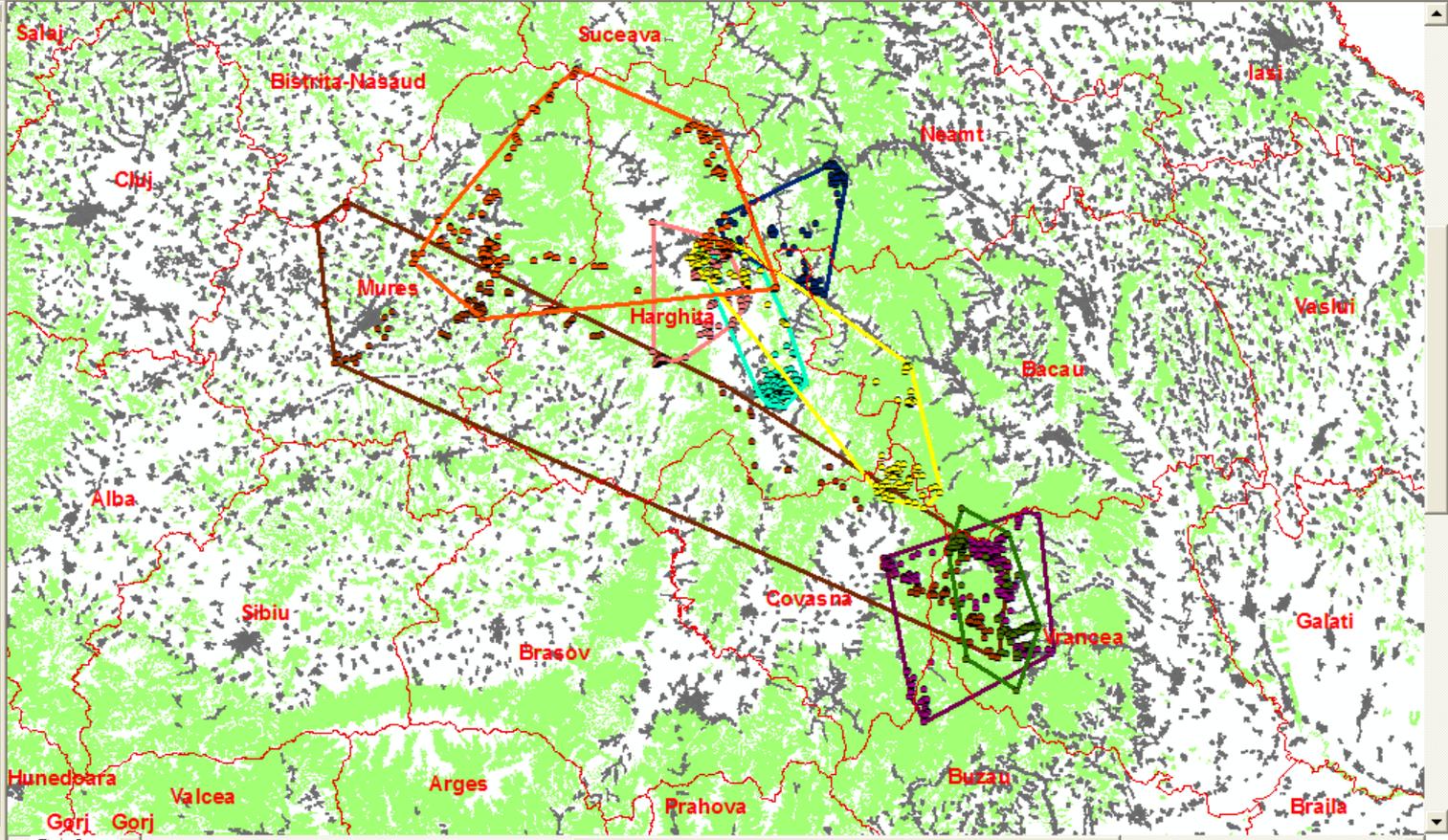
File Edit View Insert Selection Tools Window Help

1:1,382,983

Task: Create New Feature Target:

100%

- Layers**
- urs\_073
  - urs\_110
  - urs\_664
  - suprafete\_artificiale
  - suprafete\_insecuritate
  - zone\_insecuritate\_mcp
  - MCP\_toti\_ursii
  - toti\_ursii
  - judetes
  - bear distribution
  - bamse final
  - MCP\_bamse
  - vn08 results
  - MCP\_vn08\_mort
  - merge zoo2009
  - MCP\_zoo
  - hr1 results
  - MCP\_hr1
  - MCP\_ab
  - ab results
  - vn,17, cut, 2009\_points
  - MCP\_vn08



Drawing

Arial 10

Spatial Adjustment

405657.775 430019.305 Meters



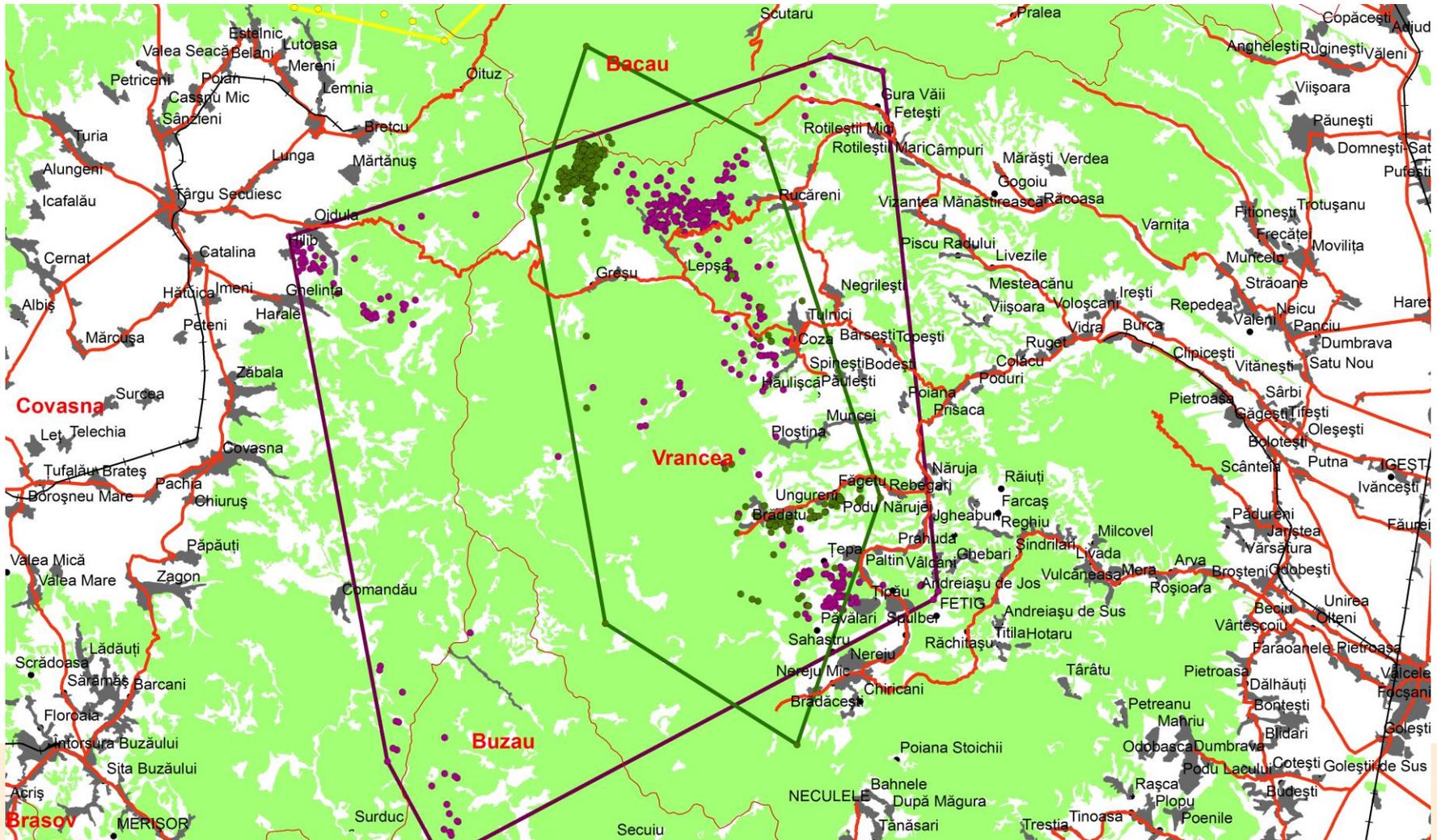
# Habitat use

Number of fixes of the rehabilitated and wild caught bears in different habitat classes

Bear acronym	UA	AF	GL	NAF	BLF	CF	MF	BV	SAV	WC	NGL	Total
AB4331	1	7	108	3	20	253	245	79				716
BAM6210	1	13	25	1	169	201	45	96	4	1		556
CV6425	2	13	21	8	94	312	313	15		1	129	541
HR4331			14		12	84	202	22				334
VN5895		2	55	3	50	73	28	40			7	266
VN6424	3	2	16		101	1	530	7			1	661
W6213	2	4	41	1	102	72		406			1	629
W808	5	2	57	1	207	28	219	25			9	553
W073			1		8	2	3					14
W110			2		5	1	7					15
W664		2	5		9		7					23

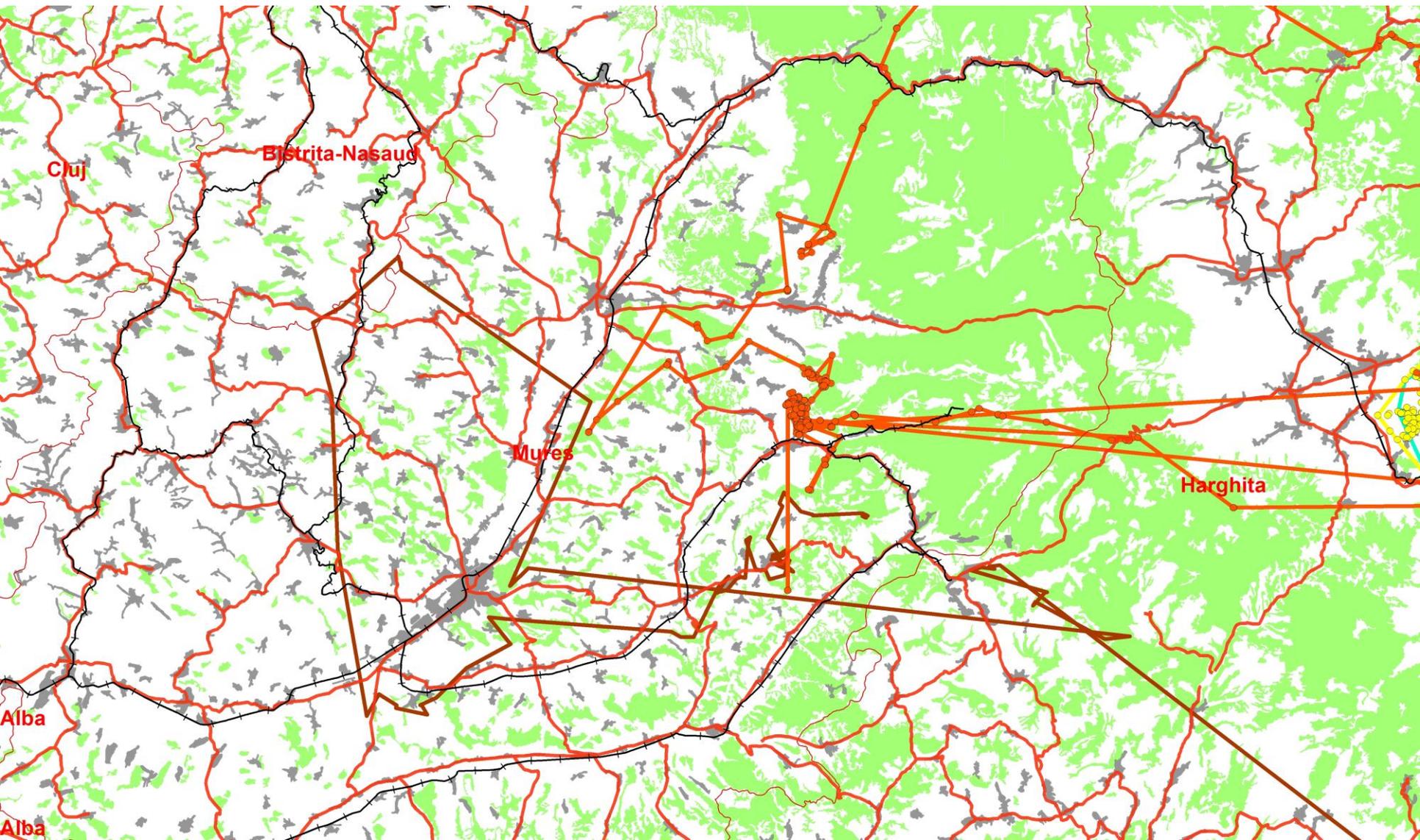


# Natural movement of bears





# Movement of bears near human settlements





# Elaboration of a strategy for implementing the raising awareness actions, based on the assessment of the local people's perception of the target specie in the Natura 2000 site's ecological network.

The elaboration of the strategy was based on a sociologic study targeting the level of knowledge of people about Natura 2000 sites and the brown bear.

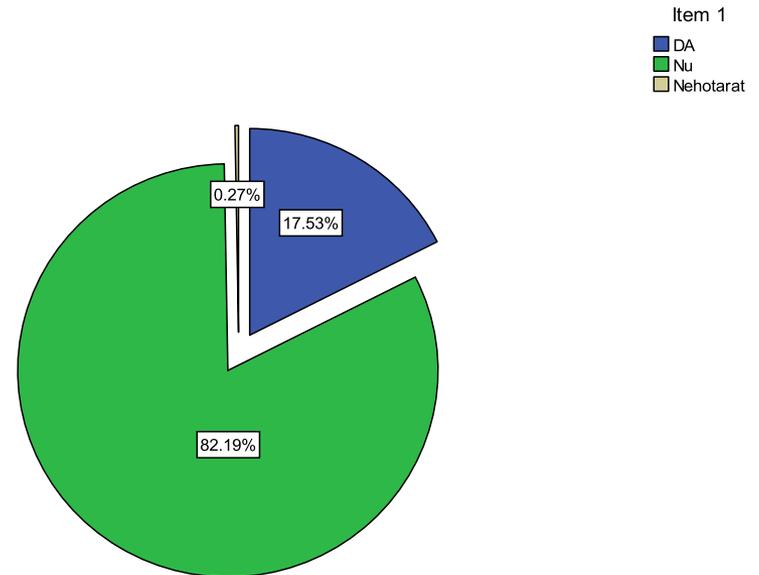
Did you hear about Natura 2000 sites?

What is your opinion about Natura 2000?

1 – bad

5 – very good

Final results: 4,16



APM Vrancea

Parteneri: APM Covasna, APM Harghita, ACNV, ACDB



ASOCIAȚIA PENTRU CONSERVAREA VALORILOR



STRATEGIA DE IMPLEMENTARE  
A CAMPANIEI DE CONȘTIENȚIZARE ÎN CEEA CE PRIVEȘTE  
PERCEPȚIA POPULAȚIEI LOCALE ASUPRA URSULUI BRUN  
(Ursus arctos) ȘI A SITURILOR NATURA 2000

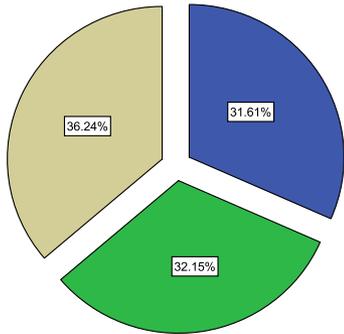


Realizat în cadrul acțiunii A3 de către:

Leonardo Bereczky,  
Ximena Anegrosari,  
Robert Kovacs,

Item 13

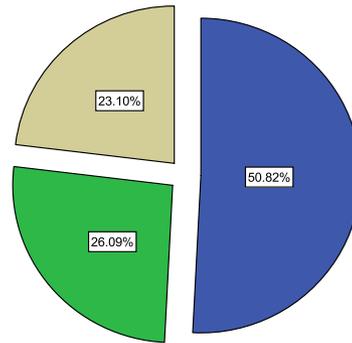
- Da
- Nu
- Nehotarat



Is the presence of bear near settlements harmful?

Item 16

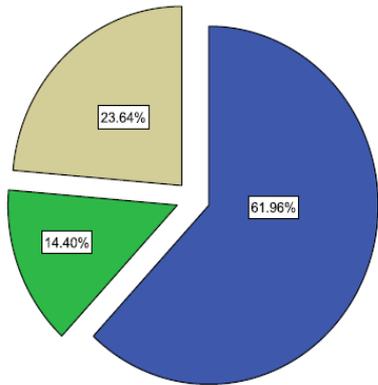
- Da
- Nu
- Nehotarat



Is the brown bear dangerous to people?

Item 12

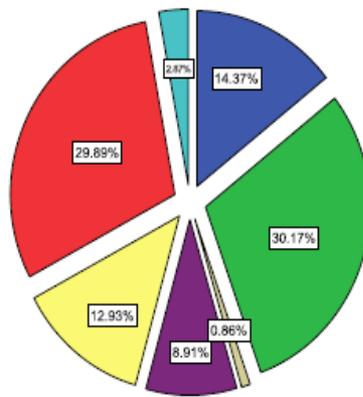
- Da
- Nu
- Nehotarat



The protection of bears is good?

Item 18

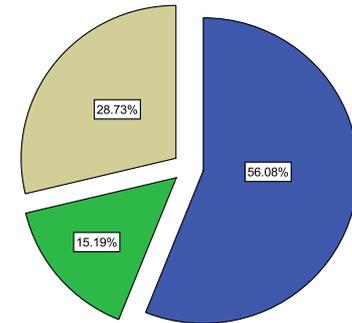
- Asociatia Vanatorilor
- Omul in general
- Animalul in sine
- Guvernul
- Autoritatea responsabile
- Nu stiu
- Altele



Who is responsible for damages?

Item 21

- Da
- Nu
- Nehotarat



Is the brown bear useful for nature?

APM Vrancea

Parteneri: APM Covasna, APM Harghita, ACNV,

ACDB



## Conștientizare publică și diseminarea rezultatelor

- D1: Promovarea proiectului, a obiectivelor și rezultatelor – APM VN
- D2: Instalarea de panouri informative – APM VN
- D3: Campanie de constientizare pentru promovarea acțiunilor de conservare a ursului brun și a metodelor de reducere a conflictelor - ACNV
- D4: Campanie de constientizare pentru promovarea acțiunilor și a celor mai bune practici necesare protecției bârloagelor și a diminuării cauzelor care duc la abandonul puilor de urs - ACNV
- D5: Campanie de conștientizare pentru promovarea siturilor de importanță comunitară desemnate pentru conservarea carnivorelor mari și pentru promovarea beneficiilor socio economice generate de statulul de sit Natura 2000 - APM HR
- D6: Campanie de constientizare pentru valorificarea produselor locale și a mestesugari tradiționali ca și instrument de promovare a coexistenței cu ursul brun in siturile Natura 2000. - ACDB



APM Vrancea

Parteneri: APM Covasna, APM Harghita, ACNV,  
ACDB



**DATE DE CONTACT**

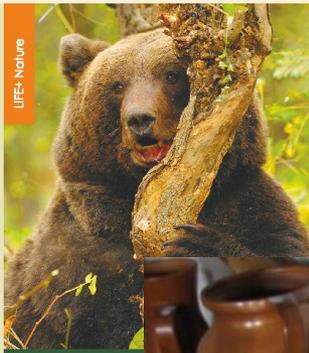
**Agencia pentru Protecția Mediului Vrancea**  
 Str. Clujului nr. 2, 480100 Botosani,  
 Județul Vrancea, România  
 Tel./fax: +40-237-450278  
 e-mail: vromediu@mediu.gov.ro

**Agencia pentru Protecția Mediului Covasna**  
 Str. Grigore Balan nr. 10, 520018 M. Ghocorghiu,  
 Județul Covasna, România  
 Tel: +40-267-328707  
 Fax: +40-267-328141  
 e-mail: MediuCovasna@mediu.gov.ro

**Agencia pentru Protecția Mediului Harghita**  
 Str. Mărin Anon nr. 45, 550011 Miercurea Ciuc,  
 Județul Harghita, România  
 Tel: +40-266-571313  
 Fax: +40-266-510041  
 e-mail: MediuHarghita@mediu.gov.ro

**Asociația pentru Conservarea Diversității Biologice**  
 Str. Măruș 18A, 65007, Focșani,  
 Județul Vrancea, România  
 Tel: +40-0737 686064  
 e-mail: acdb@acdb.ro

**Asociația pentru Conservarea Valorilor Naturale**  
 Str. 1 Decembrie nr.22, 69200, Bălan,  
 Județul Harghita, România  
 Tel: +40-0768 608000  
 e-mail: mc.conservare@balm.ro



LIFE+ Nature

www.carnivoremar.ro  
 www.acdb.ro

Acest proiect este co-finanțat de către Comisia Europeană prin programul LIFE

Acest material a fost produs cu sprijinul financiar al Uniunii Europene prin intermediul programului LIFE+.

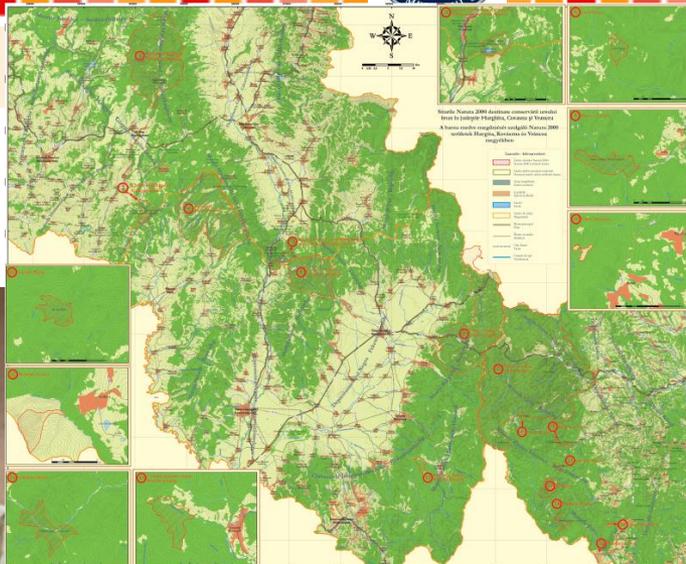
## Situri Natura 2000 în județele Harghita și Covasna

### Natura 2000 területek Harghita és Kovászna megyében



**LIFE08NAT/RO/000500**

Agenciile pentru protecția mediului din județele Vrancea, Covasna și Harghita, Vrancea, Kovászna és Harghita megyék, környezetvédelmi ügyrendelőket  
 Asociația pentru Conservarea Diversității Biologice (ACDB) Focșani  
 Asociația pentru Conservarea Valorilor Naturale (ACNV) Bălan



Acest material a fost produs cu sprijinul financiar al Uniunii Europene prin intermediul programului LIFE+.

**Siturile Natura 2000 destinate conservării ursului brun în județele Harghita, Covasna și Vrancea**

**A barna medve megőrzését szolgáló Natura 2000 területek Harghita, Kovászna és Vrancea megyékben**

Natura 2000 sites designated for bear conservation in Harghita Covasna and Vrancea county

**LIFE08NAT/RO/000500**

Agenciile pentru protecția mediului din județele Vrancea, Covasna și Harghita, Vrancea, Kovászna és Harghita megyék, környezetvédelmi ügyrendelőket  
 Asociația pentru Conservarea Diversității Biologice (ACDB) Focșani  
 Asociația pentru Conservarea Valorilor Naturale (ACNV) Bălan

APM Vrancea  
 Parteneri: APM Covasna, APM Harghita, ACNV, ACDB



# Thank you!

[www.lifeursus.carnivoremari.ro](http://www.lifeursus.carnivoremari.ro)

[www.carnivoremari.ro](http://www.carnivoremari.ro)



APM Vrancea  
Parteneri: APM Covasna, APM Harghita, ACNV,  
ACDB