

# Large Carnivore Monitoring in the Carpathian Mountains

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# Large carnivore population size to the country level.

| Country        | Bears                 | Wolves                        | Lynxes         |
|----------------|-----------------------|-------------------------------|----------------|
| Czech Republic | 2-3 ex.               | 2 packs                       | 11 ex.         |
| Hungary        | 2 -5 ex. non resident | 6 – 7 packs / 70 -75 ex.      | 10 – 25 ex.    |
| Poland         | 302 ex.               | 880 ex.                       | 344 ex         |
| Romania        | 6500 – 7500 ex        | ~ 500 packs ~ 2400 – 2800 ex. | 1000 – 1200 ex |
| Serbia         | 5 – 10 ex.            | xxxxxxxxxx                    | xxxxxxxxxx     |
| Slovakia       | 1023 – 1489 ex.       | 300-600 ex.                   | 187 +/- 56 ex. |
| Ukraine        | 200 - 220             | 290 -350 ex                   | 200 – 350 ex.  |

# Large carnivore legal status

| Country        | Bears                   | Wolves                  | Lynxes                  |
|----------------|-------------------------|-------------------------|-------------------------|
| Czech Republic | Strictly protected      | Strictly protected      | Strictly protected      |
| Hungary        | Strictly protected      | Strictly protected      | Strictly protected      |
| Poland         | Strictly protected      | Strictly protected      | Strictly protected      |
| Romania        | Strictly protected      | Strictly protected      | Strictly protected      |
| Serbia         | Strictly protected      | Protected /Game species | Strictly protected      |
| Slovakia       | Strictly protected      | Protected /Game species | Strictly protected      |
| Ukraine        | Protected /Game species | Protected /Game species | Protected /Game species |

# Monitoring methods

- 1) Snow tracking, direct observations. ( location, size of the tracks, size of the individuals, sex, age, etc.)
- 2) DNA identification.
- 3) Camera traps. ( Capture – recapture )
- 4) Reproductive units. (Female bear with cubs of the year, wolves packs, lynx female with kittens).
- 5) Radio telemetry
  
- 6) Methods calibrations!

# Large carnivore monitoring methods by countries

| Country        | Bears          | Wolves         | Lynxes         |
|----------------|----------------|----------------|----------------|
| Czech Republic | 2,3,           | 2,3,           | 2,3,           |
| Hungary        |                |                |                |
| Poland         |                |                |                |
| Romania        | 1,2,3,4,5,- 6. | 1,2,3,4,5,- 6. | 1,2,3,4,5,- 6. |
| Serbia         | 1              | 1              | 1              |
| Slovakia       |                |                |                |
| Ukraine        |                |                |                |