

Report on the main results of the surveillance under Article 11 for Annex II, IV and V species (Annex B)

NATIONAL LEVEL

1. General information

1.1 Member State	GR
1.2 Species code	1335
1.3 Species scientific name	Spermophilus citellus
1.4 Alternative species scientific name	
1.5 Common name (in national language)	Spermofilos/Lagogyros

2. Maps

2.1 Sensitive species	Yes
2.2 Year or period	2015
2.3 Distribution map	Yes
2.4 Distribution map Method used	Based mainly on extrapolation from a limited amount of data
2.5 Additional maps	Yes

3. Information related to Annex V Species (Art. 14)

3.1 Is the species taken in the wild/exploited?	No	
3.2 Which of the measures in Art. 14 have been taken?	a) regulations regarding access to property	No
	b) temporary or local prohibition of the taking of specimens in the wild and exploitation	No
	c) regulation of the periods and/or methods of taking specimens	No
	d) application of hunting and fishing rules which take account of the conservation of such populations	No
	e) establishment of a system of licences for taking specimens or of quotas	No
	f) regulation of the purchase, sale, offering for sale, keeping for sale or transport for sale of specimens	No
	g) breeding in captivity of animal species as well as artificial propagation of plant species	No
	h) other measures	No

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3.3 Hunting bag or quantity taken in the wild for Mammals and Acipenseridae (Fish)

a) Unit

b) Statistics/ quantity taken	Provide statistics/quantity per hunting season or per year (where season is not used) over the reporting period					
	Season/ year 1	Season/ year 2	Season/ year 3	Season/ year 4	Season/ year 5	Season/ year 6
Min. (raw, ie. not rounded)						
Max. (raw, ie. not rounded)						
Unknown	No	No	No	No	No	No

3.4. Hunting bag or quantity taken in the wild Method used

3.5. Additional information

BIOGEOGRAPHICAL LEVEL

4. Biogeographical and marine regions

4.1 Biogeographical or marine region where the species occurs

Mediterranean (MED)

4.2 Sources of information

Fraguedakis-Tsolis S, Ondrias JC. 1985. Geographic variation of the ground squirrel *Citellus citellus* (Mammalia: Rodentia) in Greece with the description of a new subspecies. *Saugertierk. Mitt.* 32: 185-198.

Krystufek B. 1993. European sousliks (*Spermophilus citellus*; Rodentia, Mammalia) of Macedonia. *Scopolia* 30: 1-39.

Krystufek B. 1999. *Spermophilus citellus* (Linnaeus, 1766). – In: Mitchell-Jones AJ (ed.): *The atlas of European mammals*. London (Academic Press): 190–191.

Niethammer J (1974). Zur verbeitung und taxonomie griechischer saugertiere. *Bonn Zoologische Beitrung* 25: 28-55.

Ondrias JC (1965). Die saugtiere Griechenlands. *Saugetierkundliche Mitteilungen* 3: 109-127.

Peus F (1954). Zur kenntnis der floeh Griechenlands. *Bonn Zoologische Beitrung* 1: 111-147.

Peus F (1958). Flohe aus dem mittelmeeergebeit (Ins. Siphonaptera). II. Greichenland. *Mitteilung Zoologische Museum Berlin* 34: 135-171.

Ruzic A (1978). *Citellus citellus* (Linnaeus, 1766) - Der oder das Europäische ziesel. In: (J. Niethammer and F. Krapp, eds.) *Handbuch der Säugertiere Europas I/1*. Akademische Verlagsgesellschaft, Wiesbaden, pp. 123-144.

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6.1 Year or period	2015
6.2 Population size (in reporting unit)	a) Unit b) Minimum c) Maximum d) Best single value
6.3 Type of estimate	
6.4 Additional population size (using population unit other than reporting unit)	a) Unit number of map 5x5 km grid cells (grids5x5) b) Minimum 331 c) Maximum 388 d) Best single value
6.5 Type of estimate	Best estimate
6.6 Population size Method used	Based mainly on extrapolation from a limited amount of data
6.7 Short-term trend Period	2007-2018
6.8 Short-term trend Direction	Decreasing (-)
6.9 Short-term trend Magnitude	a) Minimum b) Maximum c) Confidence interval
6.10 Short-term trend Method used	Based mainly on extrapolation from a limited amount of data
6.11 Long-term trend Period	
6.12 Long-term trend Direction	
6.13 Long-term trend Magnitude	a) Minimum b) Maximum c) Confidence interval
6.14 Long-term trend Method used	
6.15 Favourable reference population (using the unit in 6.2 or 6.4)	a) Population size b) Operator More than (>) c) Unknown d) Method
6.16 Change and reason for change in population size	Improved knowledge/more accurate data Use of different method The change is mainly due to: Improved knowledge/more accurate data
6.17 Additional information	

7. Habitat for the species

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7.1 Sufficiency of area and quality of occupied habitat

- a) Are area and quality of occupied habitat sufficient (for long-term survival)? No
- b) Is there a sufficiently large area of unoccupied habitat of suitable quality (for long-term survival)? Unknown

7.2 Sufficiency of area and quality of occupied habitat Method used

Based mainly on extrapolation from a limited amount of data

7.3 Short-term trend Period

2007-2018

7.4 Short-term trend Direction

Decreasing (-)

7.5 Short-term trend Method used

Based mainly on extrapolation from a limited amount of data

7.6 Long-term trend Period

7.7 Long-term trend Direction

7.8 Long-term trend Method used

7.9 Additional information

The surface area of the habitat is estimated at 3287.04 km², the area of suitable habitat is 9150 km² and its quality is moderate. Heavy anthropogenic impact and fragmentation.

8. Main pressures and threats

8.1 Characterisation of pressures/threats

Pressure	Ranking
Conversion from one type of agricultural land use to another (excluding drainage and burning) (A02)	H
Conversion from other land uses to housing, settlement or recreational areas (excluding drainage and modification of coastline, estuary and coastal conditions) (F01)	H
Other human intrusions and disturbance not mentioned above (H08)	H
Abandonment of grassland management (e.g. cessation of grazing or mowing) (A06)	M
Threat	Ranking
Conversion from one type of agricultural land use to another (excluding drainage and burning) (A02)	M
Conversion from other land uses to housing, settlement or recreational areas (excluding drainage and modification of coastline, estuary and coastal conditions) (F01)	H
Abandonment of grassland management (e.g. cessation of grazing or mowing) (A06)	M
Other human intrusions and disturbance not mentioned above (H08)	H

8.2 Sources of information

PRESSURES: Based exclusively or to a larger extent on real data from sites/occurrences or other data sources.
THREATS: Based on expert opinion.

8.3 Additional information

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9. Conservation measures

9.1 Status of measures

- | | |
|------------------------------------|--|
| a) Are measures needed? | Yes |
| b) Indicate the status of measures | Measures needed but cannot be identified |

9.2 Main purpose of the measures taken

9.3 Location of the measures taken

9.4 Response to the measures

9.5 List of main conservation measures

()

9.6 Additional information

10. Future prospects

10.1 Future prospects of parameters

- | | |
|---------------------------|------|
| a) Range | Poor |
| b) Population | Poor |
| c) Habitat of the species | Poor |

10.2 Additional information

11. Conclusions

11.1. Range

Unfavourable - Inadequate (U1)

11.2. Population

Unfavourable - Inadequate (U1)

11.3. Habitat for the species

Unfavourable - Inadequate (U1)

11.4. Future prospects

Unfavourable - Inadequate (U1)

11.5 Overall assessment of Conservation Status

Unfavourable - Inadequate (U1)

11.6 Overall trend in Conservation Status

Deteriorating (-)

11.7 Change and reasons for change in conservation status and conservation status trend

a) Overall assessment of conservation status

No change

The change is mainly due to:

b) Overall trend in conservation status

Use of different method

The change is mainly due to: Use of different method

11.8 Additional information

12. Natura 2000 (pSCIs, SCIs and SACs) coverage for Annex II species

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12.1 Population size inside the pSCIs, SCIs and SACs network (on the biogeographical/marine level including all sites where the species is present)	a) Unit	number of map 5x5 km grid cells (grids5x5)
	b) Minimum	58
	c) Maximum	93
	d) Best single value	
12.2 Type of estimate	Best estimate	
12.3 Population size inside the network Method used	Based mainly on extrapolation from a limited amount of data	
12.4 Short-term trend of population size within the network Direction	Unknown (x)	
12.5 Short-term trend of population size within the network Method used	Insufficient or no data available	
12.6 Additional information	Species for which either new Natura sites have been designated or former ones have been expanded to cover a bigger part of their populations.	

13. Complementary information

13.1 Justification of % thresholds for trends

13.2 Trans-boundary assessment

13.3 Other relevant Information