

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

0.1 Member State	GR
0.2.1 Species code	5376
0.2.2 Species name	Podarcis levendis
0.2.3 Alternative species scientific name	N/A
0.2.4 Common name	Levendosavra

1. National Level

1.1 Maps

1.1.1 Distribution Map	Yes
1.1.1a Sensitive species	No
1.1.2 Method used - map	Complete survey/Complete survey or a statistically robust estimate (3)
1.1.3 Year or period	2012
1.1.4 Additional map	No
1.1.5 Range map	Yes

2. Biogeographical Or Marine Level

2.1 Biogeographical Region

Mediterranean (MED)

2.2 Published sources

Lymberakis, P., Poulakakis, N., Kaliontzopoulou, A., Valakos, E., & Mylonas, M., 2008. Two new species of Podarcis (Squamata; Lacertidae) from Greece. *Systematics and Biodiversity*, 6(3): 307-318. [\[2\]](#)

Lymberakis, P., 2009. Podarcis levendis. The IUCN Red List of Threatened Species. Version 2014.2. <www.iucnredlist.org>. Downloaded on 3 October 2014. [\[2\]](#)

Valakos, E.D. & Lymberakis P., 2009. Podarcis levendis. In: Legakis, A. & Maragou, P. (eds.), The red data book of endangered animals of Greece (in Greek with English summary). Hellenic Zoological Society, Athens, 526pp. [\[2\]](#)

Poulakakis, N., Lymberakis, P., Antoniou, A., Chalkia, D., Zouros, E., Mylonas, M., Valakos, E.D., 2003. Molecular phylogeny and biogeography of the wall-lizard Podarcis erhardii (Squamata: Lacertidae). *Molecular Phylogenetics and Evolution*, 28(1): 38-46. [\[2\]](#)

Poulakakis, N., Lymberakis, P., Valakos, E.D., Zouros, P., Mylonas, M., 2005. Phylogenetic relationships and biogeography of Podarcis species from the Balkan peninsula by Bayesian and maximum likelihood analyses of mitochondrial DNA sequences. *Molecular Phylogenetics and Evolution*, 37(3): 845-857. [\[2\]](#)

Valakos, E.D., Maragou, P., Mylonas, M., 1995. Geographical distribution: Podarcis erhardii. *SSAR Herpetological Review*, 26(3): 155."

2.3 Range

2.3.1 Surface area - Range (km ²)	0,39
2.3.2 Method - Range surface area	Complete survey/Complete survey or a statistically robust estimate (3)
2.3.3 Short-term trend period	2001-2012
2.3.4 Short-term trend direction	stable (0)
2.3.5 Short-term trend magnitude	min max
2.3.6 Long-term trend period	
2.3.7 Long-term trend direction	N/A
2.3.8 Long-term trend magnitude	min max
2.3.9 Favourable reference range	area (km ²)
	operator approximately equal to (≈)
	unkown No
	method The distribution of the species is limited in two islets. The

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FRR is the total area of the islets.

2.3.10 Reason for change

Improved knowledge/more accurate data

2.4 Population

2.4.1 Population size (individuals or agreed exception)

Unit number of individuals (i)
min 3860 max 7720

2.4.2 Population size (other than individuals)

Unit N/A
min max

2.4.3 Additional information

Definition of locality

Conversion method

The Mean from a number (N=4) of population density measurements was extrapolated to the total area of distribution.

Problems

The number of populations used to estimate the population size are sufficient for the small distribution of the species. However, there can be significant fluctuations in population density depending on the season.

2.4.4 Year or period

2012

2.4.5 Method – population size

Complete survey/Complete survey or a statistically robust estimate (3)

2.4.6 Short-term trend period

2001-2012

2.4.7 Short term trend direction

stable (0)

2.4.8 Short-term trend magnitude

min max confidence interval

2.4.9 Short-term trend method

Estimate based on expert opinion with no or minimal sampling (1)

2.4.10 Long-term trend period

2.4.11 Long term trend direction

N/A

2.4.12 Long-term trend magnitude

min max confidence interval

2.4.13 Long-term trend method

N/A

2.4.14 Favourable reference population

number operator approximately equal to (≈)
unknown No
method

There are no indications or reports of population decline or abnormal population structure. FRV has been set considering the current population level, the very small distribution area and the significant natural fluctuations .

2.4.15 Reason for change

Improved knowledge/more accurate data Use of different method

2.5 Habitat for the Species

2.5.1 Surface area - Habitat (km²)

0,39

2.5.2 Year or period

2012

2.5.3 Method used - habitat

Complete survey/Complete survey or a statistically robust estimate (3)

2.5.4 a) Quality of habitat

Good

2.5.4 b) Quality of habitat - method

Species of very limited distribution. Surveys were conducted in the entire distribution areas.

2.5.5 Short term trend period

2001-2012

2.5.6 Short term trend direction

stable (0)

2.5.7 Long-term trend period

2.5.8 Long term trend direction

N/A

2.5.9 Area of suitable habitat (km²)

0,39

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2.5.10 Reason for change Improved knowledge/more accurate data

2.6 Main Pressures

Pressure	ranking	pollution qualifier(s)
No threats or pressures (X)	()	N/A

2.6.1 Method used – pressures mainly based on expert judgement and other data (2)

2.7 Main Threats

Threat	ranking	pollution qualifier(s)
collection of animals (insects, reptiles, amphibians.....) (F03.02.01)	low importance (L)	N/A
missing or wrongly directed conservation measures (G05.07)	medium importance (M)	N/A
fire (natural) (L09)	high importance (H)	N/A

2.7.1 Method used – threats expert opinion (1)

2.8 Complementary Information

2.8.1 Justification of % thresholds for trends

2.8.2 Other relevant Information The range estimations do not include unfavorable altitude areas.

2.8.3 Trans-boundary assessment

2.9 Conclusions (assessment of conservation status at end of reporting period)

2.9.1 Range	assessment Favourable (FV) qualifiers N/A
2.9.2. Population	assessment Favourable (FV) qualifiers N/A
2.9.3. Habitat	assessment Favourable (FV) qualifiers N/A
2.9.4. Future prospects	assessment Favourable (FV) qualifiers N/A
2.9.5 Overall assessment of Conservation Status	Favourable (FV)
2.9.5 Overall trend in Conservation Status	N/A

3. Natura 2000 coverage and conservation measures - Annex II species

3.1 Population

3.1.1 Population Size	Unit N/A min max
3.1.2 Method used	N/A
3.1.3 Trend of population size within	N/A

3.2 Conversation Measures