

# Podarcis wagleriana

Taxonomic Authority: Gistel, 1868

Synonyms:

Region: 1

Common Names:

Sicilian Wall Lizard	English
Sizilianische Mauereidechse	German
lucertola di Wagler	Italian

Order: Sauria

Family: Lacertidae

**Notes on taxonomy:** This species is sometimes called *Podarcis waglerianus*, rather than *P. wagleriana*, on the basis that the generic name *Podarcis* is masculine (Böhme 1997). However, others consider the name to be feminine, a position that we are following here (Montori and Llorente 2005). The subspecies *P.w. maretimensis* on Marettimo Island might prove to be a valid species (C. Corti pers. comm.).

## General Information

**Biome**  Terrestrial  Freshwater  Marine

### **Geographic Range of species:**

This species occurs on the island of Sicily (Italy) where it is absent from the northeastern part of the island. It is also present on the Egadian Islands (Favignana, Levanzo and Marettimo), and on Isola Grande dello Stagnone and Maraone. It possibly occurs up to 1,500 m asl.

### **Habitat and Ecology Information:**

This is a largely terrestrial species found in areas of scrubland, woodland edges, pasture, cultivated land and rural gardens. The females lay clutches of four to six eggs. It shares its habitat with *Podarcis sicula*.

### **Conservation Measures:**

This species is listed on Annex II of the Bern Convention. It presumably occurs in some protected areas.

### **Threats:**

The populations on Sicily appear to be threatened by competition and hybridisation with *P. sicula*. A number of insular populations (e.g., that of Marettimo Island) might be threatened or declining, possibly due to invasive predators.

### **Species population information:**

It is a relatively common species, and generally has stable populations, except perhaps some populations on smaller islands.

## Country Distribution

	Native - Presence Confirmed	Native - Presence Possible	Extinct	Reintroduced	Introduced	Vagrant
Italy	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## FAO Marine Habitats

	Native - Presence Confirmed	Native - Presence Possible	Extinct	Reintroduced	Introduced
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## Major Lakes

## Major Rivers

## Upper Level Habitat Preferences

Score

1.4 Forest - Temperate	2
3.4 Shrubland - Temperate	1
3.8 Shrubland - Mediterranean-type Shrubby Vegetation	1
4.4 Grassland - Temperate	1
11.1 Artificial/Terrestrial - Arable Land	1
11.2 Artificial/Terrestrial - Pastureland	1
11.4 Artificial/Terrestrial - Rural Gardens	1

## Lower Level Habitat Preferences

Score

## Major threats

Code	Description of threat	Past	Present	Future
2	Invasive alien species (directly affecting the species)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2.1	Competitors	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
8	Changes in native species dynamics	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
8.1	Competitors	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
8.4	Hybridizers	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

## Conservation Measures

Code	Conservation measures	In place	Needed
1	Policy-based actions	<input checked="" type="checkbox"/>	<input type="checkbox"/>
1.2	Legislation	<input checked="" type="checkbox"/>	<input type="checkbox"/>
1.2.1	Development	<input checked="" type="checkbox"/>	<input type="checkbox"/>
1.2.1.1	International level	<input checked="" type="checkbox"/>	<input type="checkbox"/>
1.2.2	Implementation	<input checked="" type="checkbox"/>	<input type="checkbox"/>
1.2.2.1	International level	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3	Research actions	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3.2	Population numbers and range	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3.3	Biology and Ecology	<input type="checkbox"/>	<input checked="" type="checkbox"/>

3.4	Habitat status	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3.5	Threats	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3.8	Conservation measures	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3.9	Trends/Monitoring	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4	Habitat and site-based actions	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4.1	Maintenance/Conservation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4.4	Protected areas	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4.4.2	Establishment	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.4.3	Management	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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### Utilisation of Species

Purpose/Type of Use	Subsistence	National	International	Other purpose:	
Primary forms removed from the wild	100%	>75%	51-75%	26-50% <25%	<i>Other forms removed from the wild:</i>
Source of specimens in commercial trade	100%	>75%	51-75%	26-50% <25%	<i>Other source of specimens:</i>

Trend in wild offtake/harvest in relation to total wild population numbers over last five years:

Trend in offtake/harvest produced through domestication/cultivation over last five years:

CITES:

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### Red Listing

**Red List Assessment:** Least Concern (LC)  Possibly Extinct

**Red List Criteria:**

**Rationale for the Red List Assessment:** Listed as Least Concern in view of its wide distribution, tolerance of a broad range of habitats, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category.

**Current Population Trend:** Decreasing **Date of Assessment:** 12/17/2004

**Assessor(s):** Claudia Corti

**Notes on Red listing:** The subspecies *P.w. marettimensis*, which might be a valid species, is probably seriously threatened.

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### Bibliography

- Arnold, E.N., 2003, , , Reptiles and amphibians of Europe., , , 288 pp., Princeton University Press., Princeton and Oxford.
- Gasc, J.-P., Cabela, A., Crnobrnja-Isailovic, J., Dolmen, D., Grossenbacher, K., Haffner, P., Lescure, J., Martens, H., Martinez-Rica, J.P., Maurin, H., Oliveira, M.E., Sofianidou, T.S., Veith, M. and Zuiderwijk, A., 1997, , , Atlas of Amphibians and Reptiles in Europe., , , pp. 494, Societas Europaea Herpetologica and Musée National d'Histoire Naturelle, Paris
- Böhme, W., 1986, Podarcis wagleriana - Sizilianische Mauereidechse., , Handbuch der Reptilien und Amphibien Europas, Band 2/II., Echsen III (Podarcis), Böhme, W., , pp. 377-387, Aula-Verlag, Wiesbaden
- Capula, M., 1994, Genetic variation and differentiation in the lizard, Podarcis wagleriana (Reptilia: Lacertidae), Biological Journal of the Linnean Society, , , 52(2), 177-196, ,
- Corti, C. and Lo Cascio, P., 2002, , , The lizards of Italy and Adjacent Areas., , , 165 pp., Edition Chimaira., Frankfurt.
- Böhme, W., 1997, A note of the gender of the genus Podarcis (Sauria: Lacertidae), Bonner zoologische Beiträge, , , 47, 187-188., ,
- Montori, A. and Llorente, G.A., 2005, , , Lista patrón actualizada de la Herpetofauna española. Conclusiones de nomenclatura y taxonomía para las especies de anfibios y reptiles de España., , , Asociación Española de Herpetología, Barcelona