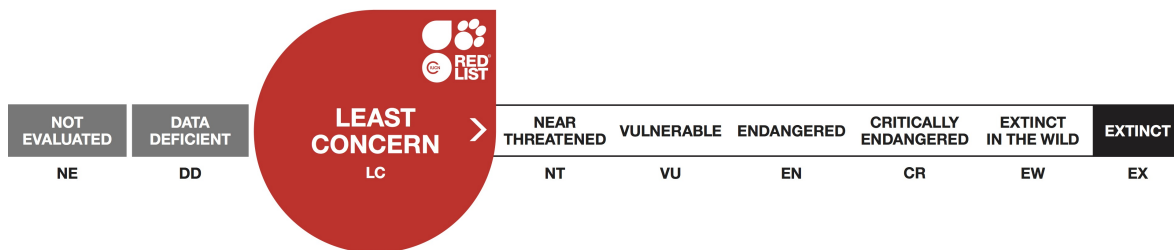




## *Pholcus silvai*

Assessment by: Cardoso, P., Crespo, L.C., Silva, I., Borges, P. & Boieiro, M.



View on [www.iucnredlist.org](http://www.iucnredlist.org)

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## Taxonomy

Kingdom	Phylum	Class	Order	Family
Animalia	Arthropoda	Arachnida	Araneae	Pholcidae

**Taxon Name:** *Pholcus silvai* Wunderlich, 1995

### Taxonomic Source(s):

Platnick, N.I. 2014. The World Spider Catalog, Version 14.5. P. Merrett & H.D. Cameron (eds). American Museum of Natural History. Available at: <http://research.amnh.org/iz/spiders/catalog/index.html>. (Accessed: 31 March 2014).

## Assessment Information

**Red List Category & Criteria:** Least Concern [ver 3.1](#)

**Year Published:** 2018

**Date Assessed:** January 19, 2018

### Justification:

*Pholcus silvai* is endemic to Madeira Island, Portugal. This species has a restricted geographic range with a maximum estimate of extent of occurrence (EOO) and area of occupancy (AOO) of ca 900 km<sup>2</sup>. However, *Pholcus silvai* is assessed as Least Concern (LC), since the preferred habitat of the species, humid laurisilva forest, is not experiencing any decline in area or quality and the population is therefore assumed to be stable. A monitoring of population trends should be conducted to confirm species status.

## Geographic Range

### Range Description:

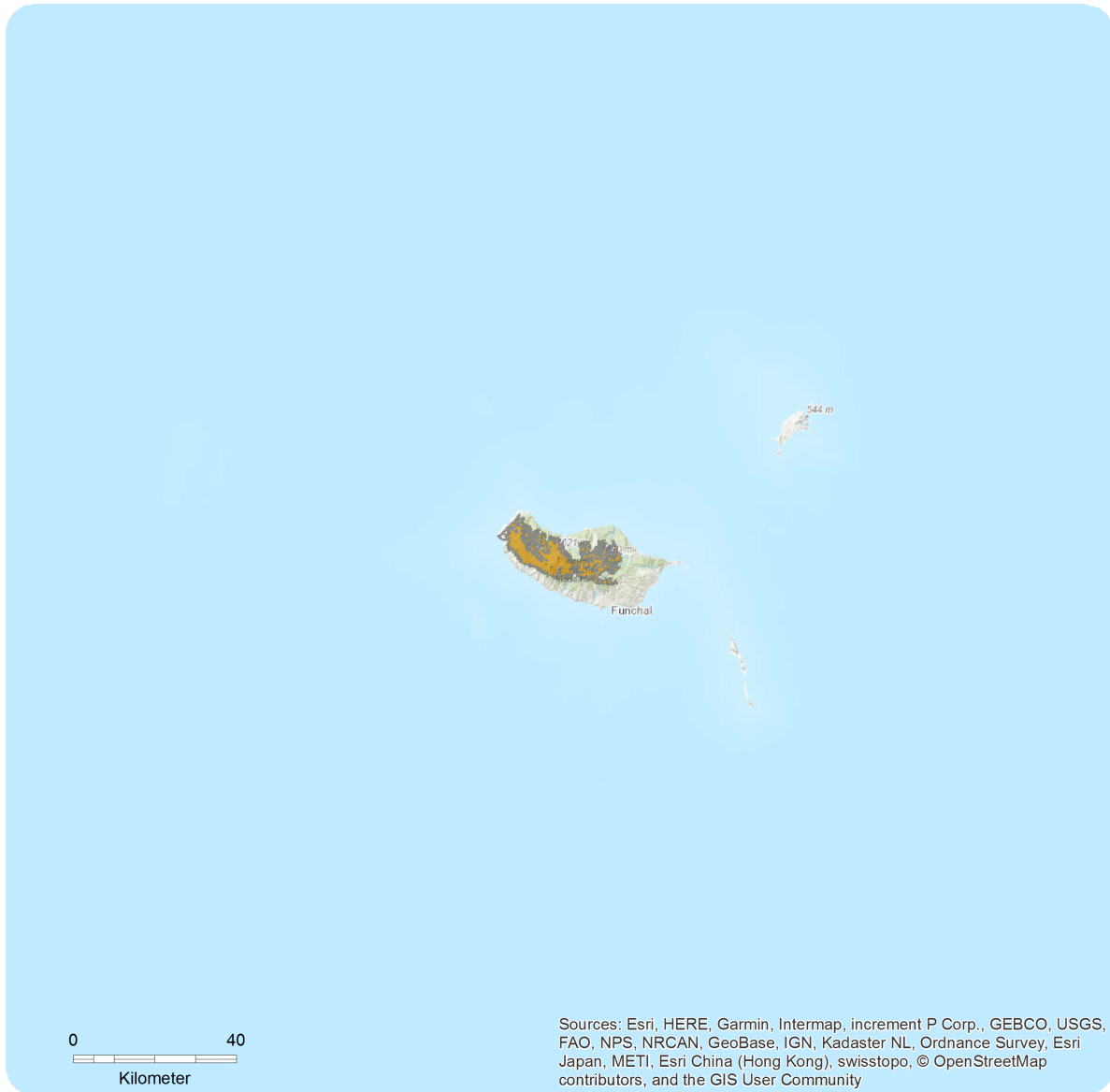
*Pholcus silvai* is known on the western side of Madeira Island, from both laurisilva forest and open areas above 450 m altitude. Multiple collection sites are recorded for the species (Wunderlich 1995). It was possible to perform species distribution modelling to predict its potential range with confidence limits (Cardoso *et al.* 2017). The extent of occurrence (EOO) and area of occupancy (AOO) have a maximum estimate of ca 900 km<sup>2</sup>.

### Country Occurrence:

**Native:** Portugal (Madeira)

# Distribution Map

*Pholcus silvai*



## Range

Extant (resident)

## Compiled by:

IUCN (International Union for Conservation of Nature)



The boundaries and names shown and the designations used on this map do not imply any official endorsement, acceptance or opinion by IUCN.



## Population

No population size estimates exist, but the preferred habitat of the species is not experiencing any decline in area and the invasive species present should not affect the spider populations, and therefore the population is assumed to be stable.

**Current Population Trend:** Stable

## Habitat and Ecology (see Appendix for additional information)

The species occurs in both laurisilva forest and open areas on the western side of the island. The ecology of this species is unknown but it is almost certainly a tangle-web builder feeding on small arthropods.

**Systems:** Terrestrial

## Use and Trade

The species is not utilized.

## Threats

There are no known threats to the species.

## Conservation Actions (see Appendix for additional information)

No specific conservation measures are in place for the species, but most of the species range is inside the Madeira Natural Park. Monitoring of population trends should be conducted to confirm this species' status.

## Credits

**Assessor(s):** Cardoso, P., Crespo, L.C., Silva, I., Borges, P. & Boieiro, M.

**Reviewer(s):** Henriques, S. & Russell, N.

## Bibliography

Cardoso, P., Crespo, L.C., Silva, I., Borges, P.A.V. and Boieiro, M. 2017. Species conservation profiles of endemic spiders (Araneae) from Madeira and Selvagens archipelagos, Portugal. *Biodiversity Data Journal* 5: e20810 (18 Oct 2017). <https://doi.org/10.3897/BDJ.5.e20810>.

IUCN. 2018. The IUCN Red List of Threatened Species. Version 2018-2. Available at: [www.iucnredlist.org](http://www.iucnredlist.org). (Accessed: 15 November 2018).

Wunderlich, J. 1995. Zu Ökologie, Biogeographie, Evolution und Taxonomie einiger Spinnen der Makaronesischen Inseln (Arachnida, Araneae). *Beiträge zur Araneologie* 4: 385-439.

## Citation

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## External Resources

For [Images and External Links to Additional Information](#), please see the [Red List website](#).

## Appendix

### Habitats

(<http://www.iucnredlist.org/technical-documents/classification-schemes>)

Habitat	Season	Suitability	Major Importance?
1. Forest -> 1.9. Forest - Subtropical/Tropical Moist Montane	Resident	Suitable	Yes
3. Shrubland -> 3.4. Shrubland - Temperate	Resident	Suitable	Yes
4. Grassland -> 4.7. Grassland - Subtropical/Tropical High Altitude	Resident	Suitable	Yes

### Conservation Actions in Place

(<http://www.iucnredlist.org/technical-documents/classification-schemes>)

Conservation Actions in Place
In-Place Research, Monitoring and Planning
Action Recovery plan: No
Systematic monitoring scheme: No
In-Place Land/Water Protection and Management
Conservation sites identified: Yes, over part of range
Occur in at least one PA: Yes
Percentage of population protected by PAs (0-100): 71-80
Area based regional management plan: Yes
Invasive species control or prevention: No
In-Place Species Management
Harvest management plan: No
Successfully reintroduced or introduced benignly: No
Subject to ex-situ conservation: No
In-Place Education
Subject to recent education and awareness programmes: No
Included in international legislation: No
Subject to any international management/trade controls: No

### Research Needed

(<http://www.iucnredlist.org/technical-documents/classification-schemes>)

**Research Needed**

3. Monitoring -> 3.1. Population trends

**Additional Data Fields**

<b>Distribution</b>
Estimated area of occupancy (AOO) (km <sup>2</sup> ): 20-888,440
Continuing decline in area of occupancy (AOO): No
Extreme fluctuations in area of occupancy (AOO): No
Estimated extent of occurrence (EOO) (km <sup>2</sup> ): 38-888,440
Continuing decline in extent of occurrence (EOO): No
Continuing decline in number of locations: No
Extreme fluctuations in the number of locations: No
Lower elevation limit (m): 450
Upper elevation limit (m): 1800
<b>Population</b>
Continuing decline of mature individuals: No
Extreme fluctuations: No
Population severely fragmented: Yes
Continuing decline in subpopulations: No
Extreme fluctuations in subpopulations: No
All individuals in one subpopulation: No
<b>Habitats and Ecology</b>
Continuing decline in area, extent and/or quality of habitat: No
Generation Length (years): 1
Movement patterns: Not a Migrant

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