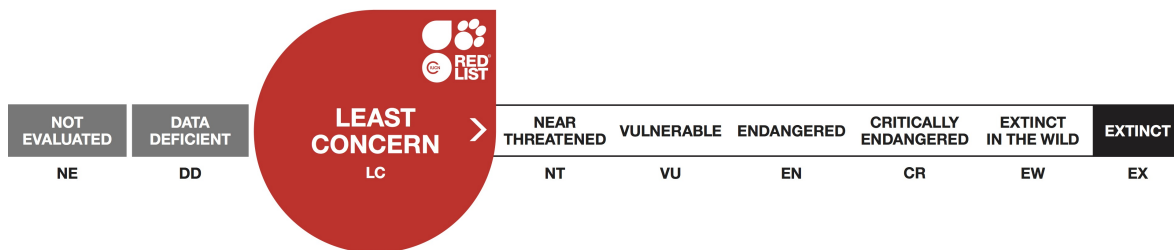


## *Hahnia insulana*

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



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

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## Taxonomy

Kingdom	Phylum	Class	Order	Family
Animalia	Arthropoda	Arachnida	Araneae	Hahniidae

**Taxon Name:** *Hahnia insulana* Schenkel, 1938

### 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 17, 2018

### Justification:

*Hahnia insulana* 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 700 km<sup>2</sup>. However, *Hahnia insulana* 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:

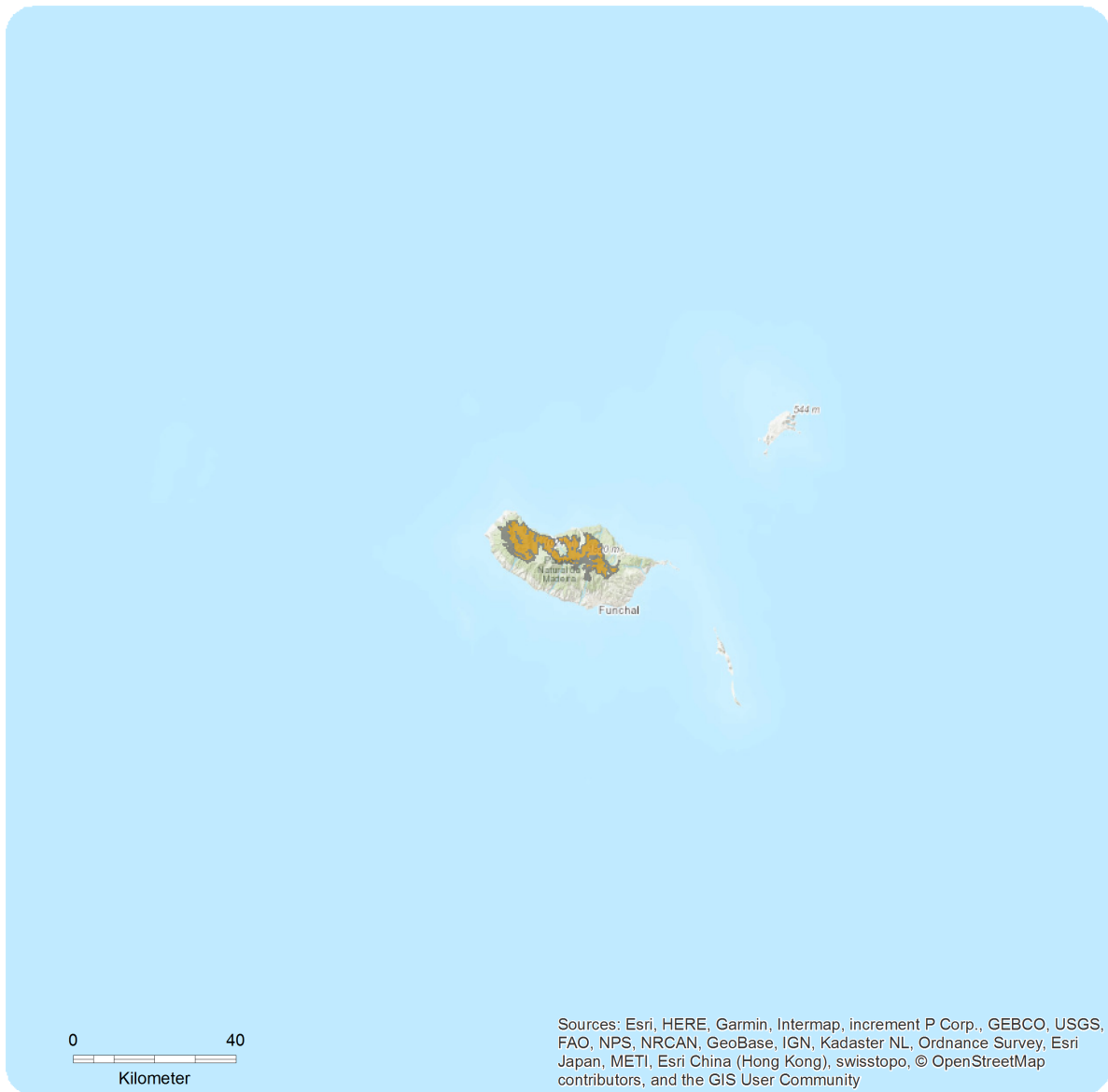
*Hahnia insulana* is known throughout the laurisilva forest that occupies about 20% of the island of Madeira (Portugal), mainly on its steep and humid northern slopes. Multiple collection sites are recorded for the species, mostly recent (Schenkel 1938, Denis 1962, Crespo *et al.* 2014). It was possible to perform species distribution modelling to predict its potential range with confidence limits (Cardoso *et al.* 2017). The extent of occurrence (EOO) is estimated to be between 207-716 km<sup>2</sup> and the area of occupancy (AOO) to be between 188-708 km<sup>2</sup>.

### Country Occurrence:

**Native:** Portugal (Madeira)

# Distribution Map

*Hahnia insulana*



## 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 population is assumed to be stable, since the preferred habitat of the species is not experiencing any decline in area and the invasive species present should not affect the spider populations.

**Current Population Trend:** Stable

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

*Hahnia insulana* is restricted to the humid laurisilva forest on the northern slopes of Madeira Island. This species is a sheet-web builder among the leaf-litter and low vegetation feeding mainly on small insects.

**Systems:** Terrestrial

## Use and Trade

The species is not utilized.

## Threats

There are no known threats to this species.

## Conservation Actions (see Appendix for additional information)

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

Crespo, L.C., Boieiro, M., Cardoso, P., Aguiar, C.S., Amorim, I., Barrinha, C., Borges, P.V., Menezes, D., Pereira, F., Rego, C., Ribeiro, S., Silva, I. and Serrano, A.M. 2014. Spatial distribution of Madeira Island Laurisilva endemic spiders (Arachnida: Araneae). *Biodiversity Data Journal* 2: e1051. <https://doi.org/10.3897/BDJ.2.e1051>.

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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).

Schenkel E. 1938. Die Arthropodenfauna von Madeira nach den Ergebnissen der Reise von Prof. Dr. O. Lundblad, 1935. *Arkiv för Zoologi* 30: 1-42.

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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

## 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 entire range
Occur in at least one PA: Yes
Percentage of population protected by PAs (0-100): 91-100
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> ): 188-708,364
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> ): 207-716,364
Continuing decline in extent of occurrence (EOO): No
Extreme fluctuations 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): 50
Upper elevation limit (m): 1700
<b>Population</b>
Continuing decline of mature individuals: No
Extreme fluctuations: No
Population severely fragmented: No
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

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