



Pterodroma madeira (Zino's Petrel)

European Red List of Birds

Supplementary Material

The European Union (EU28) Red List assessments were based principally on the official data reported by EU Member States to the European Commission under Article 12 of the Birds Directive in 2019-20. For the European Red List assessments, similar data were sourced from BirdLife Partners and other collaborating experts in other European countries and territories. For more information, see BirdLife International (2021).

Contents

Reported national population sizes and trends Trend maps of reported national population data Sources of reported national population data Species factsheet bibliography

Recommended citation

BirdLife International (2021) European Red List of Birds. Luxembourg: Publications Office of the European Union.

Further information

http://datazone.birdlife.org/info/euroredlist

http://www.birdlife.org/europe-and-central-asia/european-red-list-birds-0

http://www.iucnredlist.org/regions/europe

http://ec.europa.eu/environment/nature/conservation/species/redlist/

Data requests and feedback

To request access to these data in electronic format, provide new information, correct any errors or provide feedback, please email science@birdlife.org.

Pterodroma madeira (Zino's Petrel)

Table 1. Reported national breeding population size and trends in Europe¹.

Country (or territory) ²	Population estimate				Short-term population trend ⁵				Long-term population trend ⁵				Subspecific population (where relevant)
	Size (pairs) ³	Europe (%)	Year(s)	Method ⁴	Direction ⁶	Magnitude (%) ⁷	Year(s)	Method ⁴	Direction ⁶	Magnitude (%) ⁷	Year(s)	Method ⁴	
PT: Madeira	60–80	100	2013-2018	partial	0		2008-2018	complete	+	30 to 40	1980-2018	partial	
EU28	60–80	100											
Europe	60–80	100											

¹ See 'Sources' at end of factsheet, and for more details on individual EU Member State reports, see the Article 12 reporting portal at http://bd.eionet.europa.eu/article12/report.

² The designation of geographical entities and the presentation of the material do not imply the expression of any opinion whatsoever on the part of IUCN or BirdLife International concerning the legal status of any country, territory or area, or of its authorities, or concerning the delimitation of its frontiers or boundaries.

³ In the few cases where population size estimates were reported in units other than those specified, they were converted to the correct units using standard correction factors.

⁴ The 'method used' (replacing the data 'quality' assessment in the 2015 European Red List) is reported as: a) Complete: complete survey or a statistically robust estimate; b) Partial: based mainly on extrapolation from a limited amount of data; c) Expert: based mainly on expert opinion with very limited data; d) Defficient: insufficient or no data available.

⁵ The robustness of regional trends to the effects of any missing or incomplete data was tested using plausible scenarios, based on other sources of information, including any other reported information, recent national Red Lists, scientific literature, other publications and consultation with relevant experts.

⁶ Trend directions are reported as: increasing (+); decreasing (-); stable (0); fluctuating (F); or unknown (?).

⁷ Trend magnitudes are rounded to the nearest integer.

Trend maps

A symbol appears in each country where the species occurs: the shape and colour of the symbol represent the population trend in that country, and the size of the symbol corresponds to the proportion of the European population occurring in that country.

KEY

- **1** Large increase (≥50%)
- ↑ Moderate increase (20–49%)
- Small increase (<20%)
- 1 Increase of unknown magnitude
- Stable or fluctuating
- ☐ Unknown
- Present (no population or trend data)
- Extinct since 1980

- Large decrease (≥50%)
- ◆ Moderate decrease (20–49%)
- Small decrease (<20%)</p>
- □ Decrease of unknown magnitude

Each symbol, with the exception of Present and Extinct, may occur in up to three different size classes, corresponding to the proportion of the European population occurring in that country.

↑ Large: ≥10% of the European population

介 Medium: 1-9% of the European population

The designation of geographical entities and the presentation of the material do not imply the expression of any opinion whatsoever on the part of IUCN or BirdLife International concerning the legal status of any country, territory or area, or of its authorities, or concerning the delimitation of its frontiers or boundaries.

Figure 1. Breeding population sizes and short-term trends across Europe.

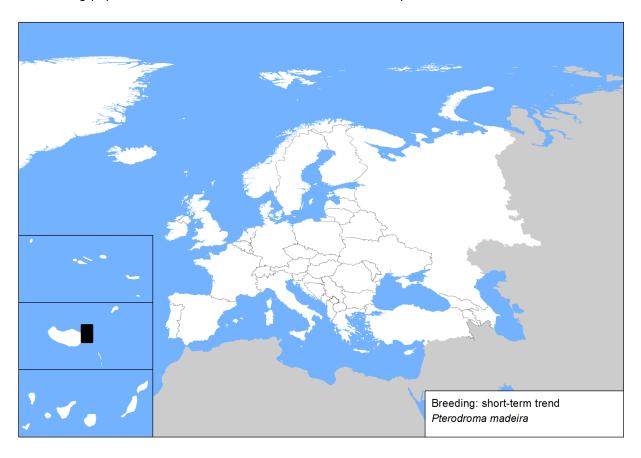
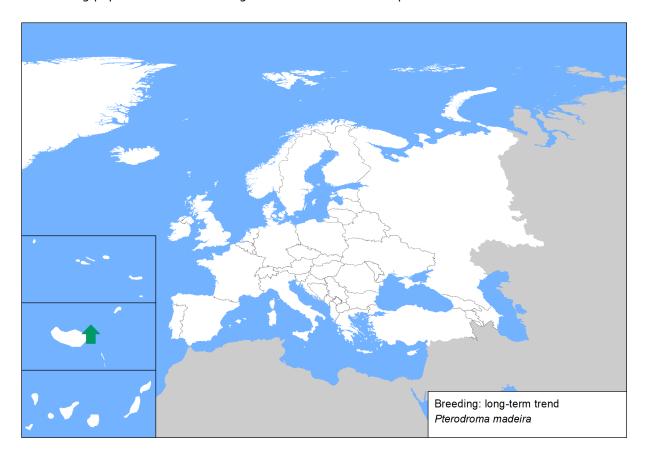


Figure 2. Breeding population sizes and long-term trends across Europe.



Pterodroma madeira (Zino's Petrel)

Sources

PT: Madeira

Breeding population size: Menezes, D., Oliveira, P., Ramírez, I. 2010. Pterodromas do arquipélago da Madeira. Duas espécies em recuperação. Funchal, Portugal: Serviço do Parque Natural da Madeira. Ramos, Raül & Ramírez, Iván & Paiva, Vitor & Militão, Teresa & Biscoito, Manuel & D., Menezes & Phillips, Richard & Zino, Francis & González-Solís, Jacob. (2016). Global spatial ecology of three closely-related gadfly petrels. Scientific Reports. 6. 23447. 10.1038/srep23447. 1º Atlas das Aves Invernantes e Migradoras de Portugal https://drive.google.com/drive/folders/1MJWLVHRhU9A8IgbvY2DhPiFm_Tp1hD25

Breeding short-term trend: Menezes, D., Oliveira, P., Ramírez, I. 2010. Pterodromas do arquipélago da Madeira. Duas espécies em recuperação. Funchal, Portugal: Serviço do Parque Natural da Madeira. Ramos, Raül & Ramírez, Iván & Paiva, Vitor & Militão, Teresa & Biscoito, Manuel & D., Menezes & Phillips, Richard & Zino, Francis & González-Solís, Jacob. (2016). Global spatial ecology of three closely-related gadfly petrels. Scientific Reports. 6. 23447. 10.1038/srep23447.

Breeding long-term trend: Based on expert opinion

Bibliography

Barov, B and Derhé, M. A. 2011. Zino's Petrel Pterodroma madeira species action plan implementation review. In: Barov, B and Derhé, M. A. (eds), Review of The Implementation of Species Action Plans for Threatened Birds in the European Union 2004-2010. Final report. BirdLife International For the European Commission.

Bird, J. P., Martin, R., Akçakaya, H. R., Gilroy, J., Burfield, I. J., Garnett, S. G., Symes, A., Taylor, J., Sekercioglu, Ç. H. and Butchart, S. H. M. 2020. Generation lengths of the world's birds and their implications for extinction risk. Conservation Biology 34(5): 1252-1261. DOI: 10.1111/cobi.13486.

BirdLife International. 2012. Emergency conservation work pays off: Zino's Petrel bounces back! Available at: http://www.birdlife.org/community/2012/02/emergency-conservation-work-pays-off-zinos-petrel-bounces-back/. (Accessed: 10 May 2012).

Carboneras, C., Jutglar, F. and Kirwan, G.M. 2014. Zino's Petrel (Pterodroma madeira). In: del Hoyo, J., Elliott, A., Sargatal, J., Christie, D.A. and de Juana, E. (eds), Handbook of the Birds of the World Alive, Lynx Edicions, Barcelona.

Carlile, N.; Priddel, D.; Zino, F.; Natavidad, C.; Wingate, D. B. 2003. A review of four successful recovery programmes for threatened sub-tropical petrels. Marine Ornithology 31: 185-192.

Hagemeijer, E.J.M. and Blair, M.J. 1997. The EBCC atlas of European breeding birds: their distribution and abundance. T. and A.D. Poyser, London.

Menezes, D. 2004. Relatório sobre a época reprodutora de 2004 da Freira da Madeira Pterodroma madeira.

Menezes, D. 2004. Relatório sobre a época reprodutora de 2004 da Freira da Madeira Pterodroma madeira.

Menezes, D., Oliveira, P., Ramírez, I. 2010. Pterodromas do arquipélago da Madeira. Duas espécies em recuperação. Serviço do Parque Natural da Madeira, Funchal, Madeira, Portugal.

Menezes, D.; Oliveira, P. 2003. Conservação da Freira da Madeira, Pterodroma madeira, através da recuperação do seu habitat. In: Rodriguez, J. (ed.), Control de vertebrados invasores en Islas de Espana e Portugal, pp. 35-42. Consejeria del Médio Ambiente y Ordenación Territorial del Gobierno de Canárias.

Menezes, D.; Zino, F.; Oliveira, P.; Buckle, A. 2005. Conservation of Madeira's Petrel Pterodroma madeira through restoration of its habitat.

Menezes, D.; Zino, F.; Oliveira, P.; Buckle, A. 2005. Conservation of Madeira's Petrel Pterodroma madeira through restoration of its habitat.

Tucker, G.M. and Heath, M.F. 1994. Birds in Europe: Their Conservation Status. BirdLife International, Cambridge, U.K.

Unwin, B. 2004. Zino's Petrel boost. Birding World 17: 396.

Zino, F. J. and Biscoito, M. 2011. Fires destroy breeding habitat of Zino's petrel. Oryx 45(1): 14.

Zino, F.; Heredia, B.; Biscoito, M. J. 1996. Action plan for Zino's Petrel (Pterodroma madeira). In: Heredia, B.; Rose, L.; Painter, M. (ed.), Globally threatened birds in Europe: action plans, pp. 33-39. Council of Europe and BirdLife International, Strasbourg, France.

Zino, F.; Oliveira, P.; King, S.; Buckle, A.; Biscoito, M.; Neves, H. C.; Vasconcelos, A. 2001. Conservation of Zino's Petrel Pterodroma madeira in the archipelago of Madeira. Oryx 35: 128-136.

Zino, F.; Phillips, R.; Biscoito, M. 2011. Zino's Petrel movements at sea - a preliminary analysis of datalogger results. Birding World 24(5): 216-219.											