

Strix aluco (Tawny Owl)

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).

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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.

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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	
Albania	330–710	<1	2007-2018	partial	-	-72 to -59	2007-2018	partial	-	-76 to -67	1980-2018	expert	
Andorra	60–170	<1	2014-2017	partial	?		2011-2018	deficient	?				
Armenia	100–140	<1	2013-2018	complete	0		2007-2018		-	-20 to -10	2003-2018	partial	
Austria	10000–20000	2	2013-2018	partial	0		2007-2018	partial	?		1981-2018	deficient	
Azerbaijan	1000–10000	<1	1996-2019	expert	?		2013-2019	expert	?		1980-2019	expert	
Belarus	8500–10500	1	2010-2018	partial	0	-10 to 10	2012-2019	expert	0	0	1980-2019	expert	
Belgium	4700–10200	1	2013-2018	partial	0		2008-2018	expert	+	-81 to 292	1973-2018	partial	
Bosnia & HG	7000–15000	1	2015-2018	complete	?	-10 to 10	2007-2018	complete	?		1980-2018	deficient	
Bulgaria	4000–9000	<1	2013-2018	partial	0	0	2000-2018	partial	0	0 to 10	1980-2018	expert	
Croatia	14000–16000	2	2010-2010	expert	?		2007-2018	deficient	?		1980-2018	deficient	
Czechia	10000–18000	2	2014-2017	complete	0		2007-2018	expert	0		1980-2018	expert	
Denmark	2400–2500	<1	2017	partial	0	-7 to 203	2006-2017	complete	0	-23 to 123	1987-2017	complete	
Estonia	1500–2000	<1	2013-2017	partial	0	-38 to 6	2007-2018	partial	0	-101 to 149	1987-2018	partial	
Finland	1000–1500	<1	2013-2018	partial	0	-25 to 2	2007-2018	complete	0	-13 to 14	1982-2018	complete	
France	87700–131000	14	2009-2012	partial	?		2007-2017	deficient	?		1989-2018	deficient	
Georgia	930–9300	<1	2013-2017	partial	?			deficient	?				
Germany	43000–75000	8	2016-2016	expert	0		2004-2016	expert	0		1980-2016	expert	
Gibraltar	1–3	<1	2014-2018	partial	F	0	2001-2018	partial	+	100	1980-2018	partial	
Greece	10000–20000	2	2015	partial	0		2007-2018	partial	+		1980-2018	partial	
Hungary	5000–8000	<1	2013-2018	expert	0		2007-2018	expert	+	5 to 10	1980-2018	expert	
Italy	30000–50000	5	2013-2018	expert	?		2007-2018	deficient	+	400 to 500	1993-2018	expert	
Kosovo	1000–1500	<1	2007-2019	partial	+		2007-2018	partial	0		1990-2018	partial	
Latvia	12500–24000	2	2017-2017	complete	+	2 to 68	2007-2018	complete	-	-30 to -13	1990-2018	complete	
Lithuania	3500–4000	<1	2013-2018	partial	-	-44 to -12	2013-2018	partial	-	-5 to 0	1980-2018	partial	
Luxembourg	300–500	<1	2013-2018	partial	0	0	2007-2018	expert	0	0	1980-2018	expert	
North Macedonia	2000–5000	<1	2014-2019	expert	0		2007-2018	expert	?		1980-2019		
Moldova	500–800	<1	2014-2017	partial	+		2007-2018	partial	0		1990-2018	expert	
Montenegro	1900–2000	<1	2002-2012	expert	0		2007-2018	expert	?				
Netherlands	4500–5500	<1	2013-2015	complete	0	-12 to 19	2006-2017	complete	0	-14 to 44	1984-2017	complete	
Norway	2500–6000	<1	2013-2018	complete	F		2013-2018	partial	0		1980-2018	partial	
Poland	65000–75000	9	2013-2018	expert	0	-6 to 50	2010-2018	complete	?		1980-2018	deficient	
Portugal	10000–20000	2	2013-2018	partial	?		2009-2017	partial	?		1980-2018	deficient	

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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	
Romania	81200–81300	11	2013-2014	complete	?		2007-2018	deficient	?		1980-2018	deficient	
Russia	16000–30000	3	2008-2018	partial	?		2008-2018	expert	?		1980-2018	expert	
Serbia	21000–28500	3	2013-2018	partial	0	0	2007-2018	complete	0	0	1980-2018	complete	
Slovakia	3000–5000	<1	2013-2018	partial	0		2007-2018	partial	0		1980-2018	partial	
Slovenia	5000–9100	<1	2002-2017	partial	0		2002-2017	partial	0		1980-2017	partial	
Spain	45000–61000	7	1998-2002	complete	0		2007-2018	complete	0		1980-2018	complete	
Sweden	15000–21000	2	2013-2018	partial	0	-20 to 20	2007-2018	partial	0	-70 to 38	1980-2018	partial	
Switzerland	6000–8000	<1	2013–2016	partial	0	-79 to 142	2007-2018	complete	0	-67 to 18	1990-2018	complete	
Turkey	20000–50000	4	2002-2012	partial	?		2008-2019	deficient	?		1980-2013	deficient	
Ukraine	25000–35000	4	2014-2019	partial	0		2007-2019	partial	0		1980-2019	partial	
United Kingdom	50000	7	2005	partial	-		2004-2016	complete	-		1980-2016	complete	
EU28	437000–638000	80											
Europe	632000–932000	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

- | | |
|---|---------------------------------|
| ↑ Large increase (≥50%) | ↓ Large decrease (≥50%) |
| ↑ Moderate increase (20–49%) | ↓ Moderate decrease (20–49%) |
| ↑ Small increase (<20%) | ↓ Small decrease (<20%) |
| ↑ Increase of unknown magnitude | ↓ Decrease of unknown magnitude |
| ■ Stable or fluctuating | |
| □ Unknown | |
| ○ Present (no population or trend data) | |
| × Extinct since 1980 | |

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
- ↑ Medium: 1–9% of the European population
- ↑ Small: <1% 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.

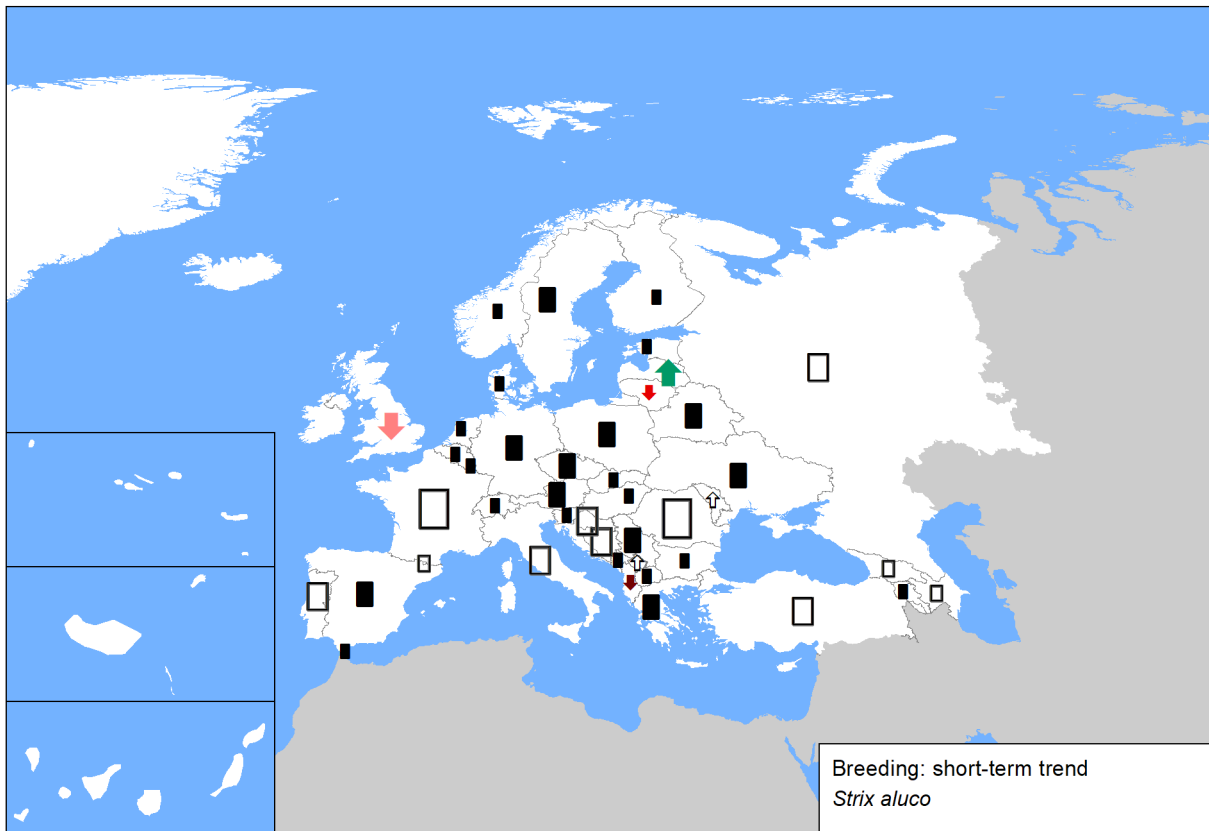
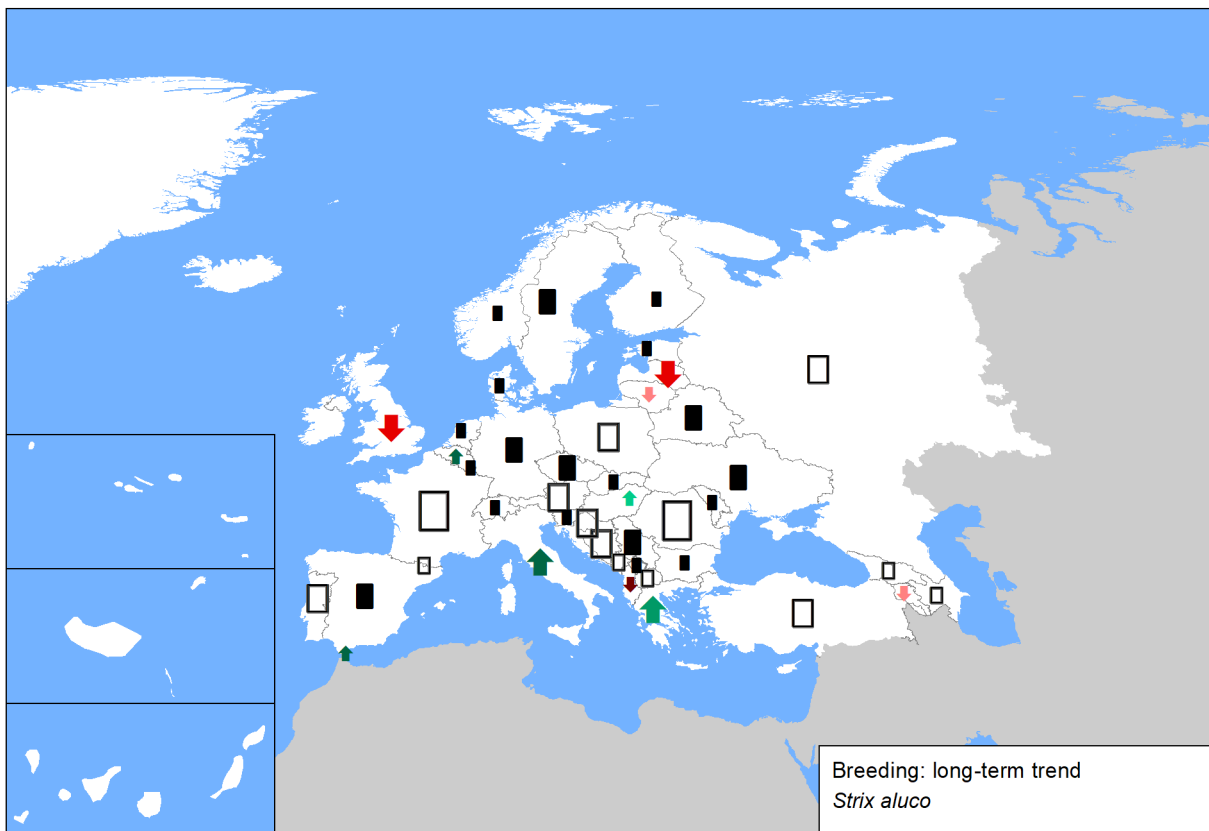


Figure 2. Breeding population sizes and long-term trends across Europe.



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Sources

Albania

Breeding population size: Bino & Xeka pers. obs.
Breeding short-term trend: Bino & Xeka pers. obs.
Breeding long-term trend: Bino pers. obs.

Andorra

Breeding population size: Fieldwork EBBA2, published at "Guia dels ocells d'Andorra. J. Nicolau & C. Pladevall, 2018"
Breeding short-term trend: Common Bird Monitoring Scheme of Andorra (SOCA)

Armenia

Breeding population size: TSE NGO
Breeding short-term trend: TSE (2020) The Atlas of the Breeding Birds in Armenia. In preparation.
Breeding long-term trend: TSE (2020) The Atlas of the Breeding Birds in Armenia. In preparation.

Austria

Breeding population size: BirdLife Austria, estimate based on a sample of breeding densities from different sites and habitats
Breeding short-term trend: BirdLife Austria, unpublished data from www.ornitho.at ; BirdLife Austria, unpublished archive data
Breeding long-term trend: BirdLife Austria, unpublished archive data

Azerbaijan

Breeding population size: BirdLife International 2004
Breeding short-term trend: AOS data base
Breeding long-term trend: AOS Data Base

Belarus

Breeding population size: Research work of the National Academy of Sciences of the Republic of Belarus "Dynamics and predictive assessment of changes in the state of populations of the main resource and biocenotically most important bird species in Belarus"
Breeding long-term trend: Nikiforov M.E., Kozulin A.V., eds. Belarussian birds at the beginning of XXI century: status, numbers, distribution. - 1997. - Minsk. - 187 p.

Belgium

Breeding population size: Vermeersch G. et al. (2018, in press). Broedvogels in Vlaanderen in de periode 2013-2018. Rapporten van het Instituut voor Natuur- en Bosonderzoek (INBO), Brussel. / Paquet, J-Y., Anselin, A., Vermeersch, G., Derouaux, A., Devos, K. (2019, in prep.). Contribution of Belgium to EBCC European Breeding Bird Atlas 2. Internal Report.
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Bosnia and Herzegovina

Breeding population size: Based on data for EBBA2
Breeding short-term trend: more individual articles e.g published in magazine Bilten mreže posmatrača ptica u Bosni i Hercegovini-see https://ptice.ba/bs/category/bilteni_/ , individual reports (e.g. for EBBA2, projects etc)

Bulgaria

Breeding population size: Iankov, P. (ed.) 2007 Atlas of Breeding Birds in Bulgaria. Bulgarian Society for the Protection of Birds, Conservation Series, Book 10, Sofia, BSPB, 679 p. (In Bulgarian and English); National Art. 12 reporting database 2013-2018; BSPB database P.Shurulinkov,G.Daskalova-own unpublished data
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Croatia

Breeding population size: Kralj i sur. (2013): Atlas selidbe ptica Hrvatske. ZZO HAZU, Zagreb.
Breeding short-term trend: no data available
Breeding long-term trend: no data available

Czechia

Breeding population size: Šťastný et Bejček in prep. - Atlas hnízdního rozšíření ptáků ČR 2014-2017 Národní strategie ochrany dravců a sov ČR. Praha 2017 (manuscript)
Breeding short-term trend: Národní strategie ochrany dravců a sov ČR. Praha 2017 (manuscript)

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Czechia

Breeding long-term trend: expert opinion

Denmark

Breeding population size: Charlotte M. Moshøj, Daniel Palm Eskildsen, Michael Fink Jørgensen & Thomas Vikstrøm, (2018): Overvågning af de almindelige fuglearter i Danmark 1975-2017 & Mandrup, E. 1997, Hvor mange fugle yngler i Danmark, Dansk Ornitologisk Tidsskrift, nr 3, 1997

Breeding short-term trend: Charlotte M. Moshøj, Daniel Palm Eskildsen, Michael Fink Jørgensen & Thomas Vikstrøm, (2018): Overvågning af de almindelige fuglearter i Danmark 1975-2017

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Estonia

Breeding population size: Estonian Working Group on Bird Status and Numbers

Breeding short-term trend: [1] Estonian Working Group on Bird Status and Numbers [2] Monitoring of raptors. http://seire.keskkonnainfo.ee/index.php?option=com_content&view=article&id=2059&Itemid=372

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Finland

Breeding population size: Lehikoinen, A., Below, A., Jukarainen, A., Laaksonen, T., Lehtiniemi, T., Mikkola-Roos, M., Pessa, J., Rajasärkkä, A., Rusanen, P., Sirkiä, P., Tiainen, J. & Valkama, J. 2019: Suomen lintujen pesimäkantojen koot. – Linnut-vuosikirja 2018: 38-45.

Breeding short-term trend: Meller, K., Björklund, H., Saurola, P. & Valkama, J. 2019: Kuuma kesä suosi haukkoja — myyräkato masensi pöllöjä. – Linnut-vuosikirja 2018: 80-95. (in Finnish with English summary). Björklund, H., Saurola, P. & Valkama, J. 2018: Breeding and population trends of common raptors and owls in Finland in 2017. – Linnut-vuosikirja 2017: 56–69. (in Finnish with English summary).

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France

Georgia

Breeding population size: EBBA Georgia, prepared by Sabuko-Society for nature conservation, Iliia state university, NGO "psovi".

Germany

Breeding population size: Gerlach et al. (in Vorb.): Vögel in Deutschland – 2019. Dachverband Deutscher Avifaunisten, Bundesamt für Naturschutz und Länderarbeitsgemeinschaft der Vogelschutzwarten, Münster.

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Gibraltar

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