



THE IUCN RED LIST
OF THREATENED SPECIES™



***Bubo bubo* (Eurasian Eagle-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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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	35–100	<1	2007-2018	partial	-	-30 to 0	2007-2018	partial	-	-30 to 0	1980-2018	expert	
Andorra	1	<1	2014-2017	deficient	?		2011-2018	deficient	?				
Armenia	25–40	<1	2013-2018	complete	0		2007-2018		0		2003-2018	partial	
Austria	360–530	2	2013-2018	complete	0		2007-2018	partial	+	50 to 150	1981-2018	expert	
Azerbaijan	100–1000	1	1996-2019	expert	?		2013-2019	expert	?		1980-2019	expert	
Belarus	250–600	2	2010-2018	partial	0	-10 to 10	2012-2019	expert	0	0	1980-2019	expert	
Belgium	80–140	<1	2013-2018	complete	+	7 to 8	2008-2018	complete	+	3900 to 6900	1973-2018	partial	
Bosnia & HG	300–400	2	2015-2018	complete	?	-10 to 10	2007-2018	complete	-	-10 to -1	1980-2018	expert	
Bulgaria	450–550	2	2005-2018	partial	0	0 to 5	2000-2018	partial	0	0 to 5	1980-2018	expert	
Croatia	800–1200	4	2010-2015	partial	?		2007-2018	deficient	?		1980-2018	deficient	
Czechia	600–900	3	2014-2017	complete	0		2007-2018	expert	0		1980-2018	expert	
Denmark	70	<1	2017-2017	complete	+		2006-2017	complete	+		1984-2017	complete	
Estonia	30–50	<1	2013-2017	complete	-	-80 to -4	2007-2018	complete	-	-99 to -74	1987-2018	complete	
Finland	850–1200	4	2013-2018	partial	-	-48 to -29	2007-2018	complete	-	-70 to -61	1982-2018	complete	
France	2000–4000	12	2009-2012	partial	+	10 to 20	2007-2017	partial	+	100 to 200	1989-2017	expert	
Georgia	330–680	2	2018-2019	partial	?			deficient	?				
Germany	2900–3300	14	2011-2016	complete	+		2004-2016	expert	+	181 to 1000	1980-2016	expert	
Gibraltar	1	<1	2006-2012	complete	0	1	2001-2018	complete	+	1	1980-2018	complete	
Greece	300–700	2	2015	partial	+		2007-2018	partial	+		1980-2018	partial	
Hungary	70–90	<1	2015-2017	complete	+		2007-2017	complete	+	406 to 473	1985-2017	complete	
Italy	250–340	1	2013-2018	expert	+	5 to 15	2000-2014	expert	+	70 to 150	1993-2018	expert	
Kosovo	30	<1	2007-2019	partial	0		2007-2018	partial	?		1990-2018	partial	
Latvia	8–80	<1	2017-2017	complete	-	-46 to -14	2007-2018	expert	?		1980-2018	deficient	
Lithuania	10–20	<1	2013-2018	partial	0	0	2013-2018	partial	+	0 to 10	1980-2018	partial	
Luxembourg	22–25	<1	2013-2018	complete	+	40 to 70	2007-2018	complete	+	2100 to 2400	1982-2018	complete	
North Macedonia	200–400	1	2014-2019	expert	0		2007-2018	expert	?		1980-2019		
Moldova	6–8	<1	2014-2017	complete	+		2007-2018	complete	0		1990-2018	expert	
Montenegro	240–460	1	2013-2018	partial	+		2007-2018	expert	?				
Netherlands	16–24	<1	2013-2017	complete	+	138 to 650	2006-2017	complete	+	2457 to 23001	1985-2017	complete	
Norway	450–690	2	2013-2018	complete	F		2013-2018	expert	-	-85 to -30	1980-2018	complete	
Poland	270–380	1	2013-2018	expert	?	-61 to 277	2010-2018	complete	+	110 to 140	1980-2018	expert	
Portugal	150–500	1	2013-2018	partial	?		2009-2017	partial	?		1980-2018	deficient	

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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	100–300	<1	2013-2018	expert	?		2007-2018	deficient	?		1980-2018	deficient	
Russia	2500–4300	14	2008-2018	partial	-	0	2008-2018	expert	?		1980-2018	partial	
Serbia	240–380	1	2013-2018	partial	0	0	2007-2018	complete	+	10 to 29	1980-2018	complete	
Slovakia	300–400	2	2013-2018	partial	0		2007-2018	partial	0		1980-2018	partial	
Slovenia	120–150	<1	2013-2018	complete	?		2004-2018	partial	?		1980-2018	expert	
Spain	2900–3000	13	2002-2018	partial	+		2007-2018	complete	+		1980-2018	complete	
Sweden	240–330	1	2013-2018	complete	-	-50 to -30	2007-2018	complete	+	10 to 30	1980-2018	partial	
Switzerland	200–230	<1	2013–2016	partial	0	-8 to 18	2007-2018	complete	0	-11 to 4	1990-2018	complete	
Turkey	500–2000	4	2002-2012	partial	?		2008-2019	deficient	?		1980-2013	deficient	
Ukraine	150–220	<1	2014-2019	complete	0		2007-2019	complete	0		1980-2019	partial	
United Kingdom	1–3	100	2010-2014	expert	0		2001-2014	expert	+		1985-2014		non-native populations
EU28	13000–18200	66											
Europe	18500–29800	100											
Europe	1–3	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.

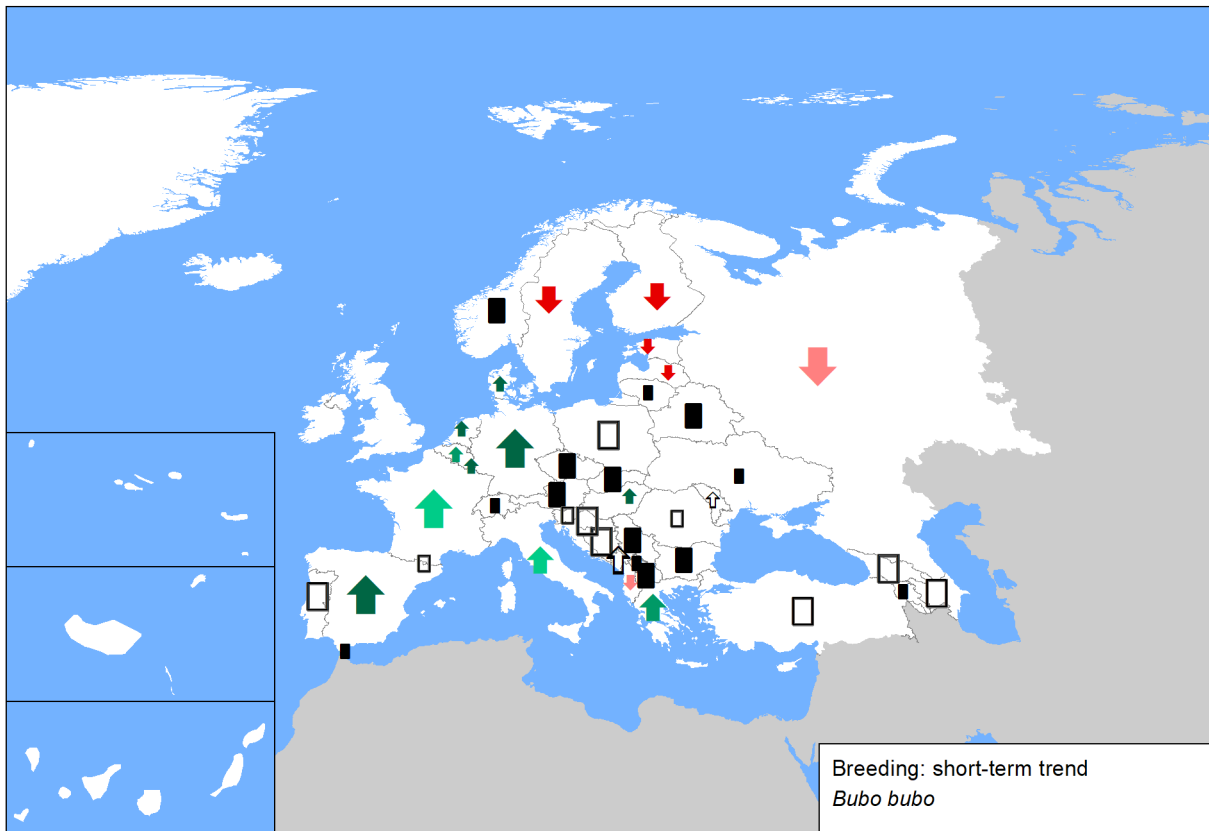
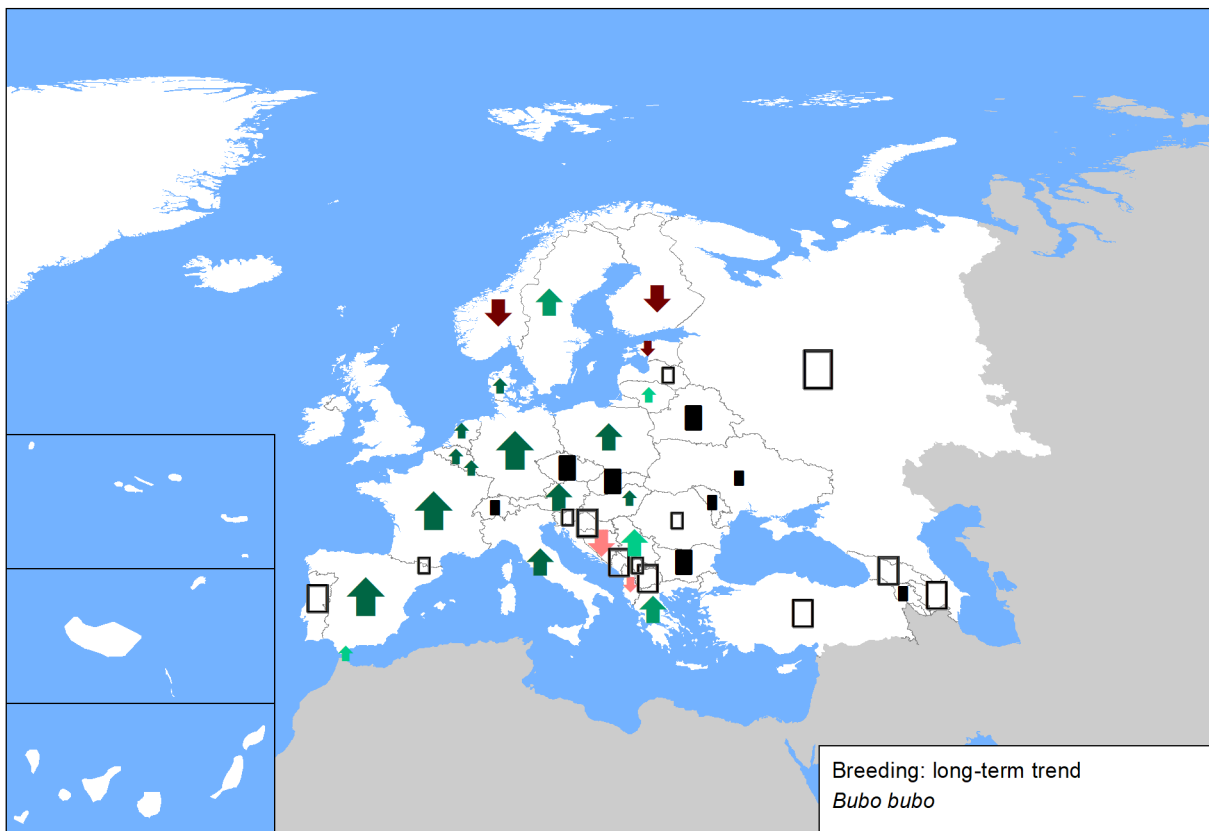


Figure 2. Breeding population sizes and long-term trends across Europe.



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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: Government survey
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, unpublished data from www.ornitho.at
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; Dvorak, Ranner & Berg 1993 (Atlas of Austrian Breeding Birds)

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

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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)
Breeding long-term trend: individual reports, reports for EBBA2

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.; National Art. 12 reporting database 2013-2018; Golemansky V. (ed.) 2011. Red Data Book of Bulgaria. Vol. 2, Animals. http://e-ecodb.bas.bg/rdb/en/vol2/ BSPB Bird Database
Breeding short-term trend: 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.; National Art. 12 reporting database 2013-2018; Golemansky V. (ed.) 2011. Red Data Book of Bulgaria. Vol. 2, Animals. http://e-ecodb.bas.bg/rdb/en/vol2/ BSPB Bird Database
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Croatia

Breeding population size: Zavod za ornitologiju (Sanja Barišić, Davor Ćiković, Jelena Kralj, Goran Sušić, Vesna Tutiš), Dragan Radović, Ivan Budinski, Robert Crnković, Antun Delić, Dubravko Dender, Vlatka Dumbović, Ivan Darko Grlica, Bariša Ilić, Luka Jurinović, Davor Krnjeta, Krešimir Leskovar, Duje Lisičić, Ivica Lolić, Gordan Lukač, Kristijan Mandić, Krešimir Mikulić, Tibor Mikuska, Gvido Piasevoli, Andrej Radalj, Zlatko Ružanović, Vlatka Ščetarić, Mirko Šetina, Adrian Tomik (2015): Procjene brojnosti za SPA područja. Državni zavod za zaštitu prirode, Zagreb
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Croatia

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)

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Denmark

Breeding population size: Nielsen, R.D., Holm, T.E., Clausen, P., Bregnballe, T., Clausen, K.K., Petersen, I.K., Sterup, J., Balsby, T.J.S., Pedersen, C.L., Mikkelsen, P. & Bladt, J. (2019). Fugle 2012-2017. NOVANA. Aarhus Universitet, DCE – Nationalt Center for Miljø og Energi. - Videnskabelig rapport nr. 314. <http://dce2.au.dk/pub/SR314.pdf> and <http://novana.au.dk/fugle/>

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Estonia

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

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Finland

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Georgia

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Germany

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Bubo bubo (Eurasian Eagle-owl)

Spain

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