

***Loxia curvirostra* (Red Crossbill)**

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.

Loxia curvirostra (Red Crossbill)

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	140–350	<1	2007-2018	partial	-	-82 to -72	2007-2018	partial	-	-82 to -72	1980-2018	expert	
Andorra	1100–3000	<1	2014-2017	partial	?		2011-2018	complete	?				
Armenia	370–530	<1	2013-2018	complete	?	10 to 30	2007-2018	expert	-	-30 to -10	2003-2018	partial	
Austria	40000–80000	1	2013-2018	partial	F	30 to 110	2007-2018	complete	?		1981-2018	deficient	
Azerbaijan	200–2000	<1	1996-2019	expert	?		2013-2019	expert	?		1980-2019	expert	
Belarus	2000–20000	<1	2010-2018	partial	0	-30 to 30	2012-2019	expert	0	-30 to 30	1980-2019	expert	
Belgium	1800–4300	<1	2013-2018	expert	F		2008-2018	expert	F	-50 to 19	1973-2018	partial	
Bosnia & HG	2000–5000	<1	2015-2018	complete	?	-10 to 10	2007-2018	deficient	?		1980-2018	deficient	
Bulgaria	5000–25000	<1	2005-2018	partial	0	0	2000-2018	partial	F		1980-2018	partial	
Croatia	1000	<1	2014-2014	expert	?		2007-2018	deficient	?		1980-2018	deficient	
Cyprus	500–1500	<1	2013-2018	expert	-	-25 to 0	2007-2018	expert	?		1980-2018	deficient	
Czechia	40000–120000	2	2014-2017	complete	+		2007-2018	complete	0		1982-2018	complete	
Denmark	410–420	<1	2017	partial	F	-75 to 241	2006-2017	complete	-	-82 to -23	1983-2017	complete	
Estonia	5000–75000	<1	2013-2017	expert	F	-41 to 5	2006-2017	expert	F	-51 to -16	1980-2017	expert	
Finland	138000–905000	9	2013-2018	complete	+	20 to 74	2007-2018	complete	-	-35 to -1	1984-2018	complete	
France	25000–50000	<1	2013-2018	partial	?		2007-2017	partial	?		1989-2017	deficient	
Georgia	6900–69200	<1	2013-2017	partial	?			deficient	?				
Germany	32000–85000	1	2016-2016	expert	F		2004-2016	expert	?		1980-2016	deficient	
Greece	5000–10000	<1	2015	partial	0		2007-2018	partial	+		1980-2018	partial	
Hungary	200–400	<1	2013-2018	partial	F		2007-2018	partial	F		1980-2018	expert	
Iceland	500–1000	<1	2018	partial	+		2006-2018	partial	+		1980-2018	partial	
Rep. Ireland	1000–5000	<1	2008-2011	expert	?		2000-2011	deficient	?		1980-2011	deficient	
Italy	50000–70000	1	2013-2018	expert	?		2007-2018	deficient	+	15 to 70	1993-2018	expert	
Kosovo	500–700	<1	2007-2019	partial	+		2007-2018	partial	-		1990-2018	partial	
Latvia	1600–11300	<1	2016-2016	complete	-	-80 to 142	2005-2018	complete	-	-65 to -64	1991-2016	partial	
Liechtenstein	50–100	<1	2013-2018	complete	0		2006-2018	partial	0		1980-2018	partial	
Lithuania	5000–10000	<1	2013-2018	partial	F		2013-2018	partial	F		1980-2018	partial	
Luxembourg	5–10	<1	2013-2018	partial	?	0 to 100	2007-2018	expert	?	0 to 100	1980-2018	expert	
North Macedonia	1000–5000	<1	2014-2019	expert	0		2007-2018	expert	?		1980-2019		
Montenegro	2000–3000	<1	2002-2012	expert	0		2007-2018	expert	?				
Netherlands	400–3500	<1	2013-2015	complete	0	-29 to 20	2006-2017	complete	0	-48 to 179	1984-2017	complete	
Norway	15000–150000	1	2013-2018	expert	F		2013-2018	partial	F		1980-2018	partial	

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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	
Poland	6000–16000	<1	2013-2018	complete	-	-57 to -3	2007-2018	complete	?		1980-2018	deficient	
Portugal	100–500	<1	2013-2018	partial	?		2007-2018	deficient	?		1980-2018	deficient	
Romania	117000–386000	5	2013-2015	complete	?		2007-2018	deficient	?		1980-2018	deficient	
Russia	2000000–4000000	63	2006-2018	partial	0		2006-2018	partial	0		1986-2018	partial	
Serbia	3000–5300	<1	2013-2018	partial	F	0	2007-2018	complete	F	0	1980-2018	complete	
Slovakia	25000–50000	<1	2013-2018	expert	F		2007-2018	expert	F		1980-2018	expert	
Slovenia	8000–13000	<1	2002-2017	complete	?		2008-2018	deficient	?		1980-2018	deficient	
Spain	140000–190000	4	1998-2002	complete	0		2008-2018	complete	+		1998-2018	complete	
Sweden	58000–584000	7	2013-2018	partial	F	-50 to 100	2007-2018	partial	F	-9 to 98	1980-2018	partial	
Switzerland	25000–35000	<1	2013–2016	partial	0	-69 to 60	2007-2018	complete	+	5 to 301	1990-2018	complete	
Turkey	15000–50000	<1	2002-2012	expert	?		2008-2019	deficient	?		1980-2013	deficient	
Ukraine	7000–14000	<1	2015-2017	partial	F	10 to 20	2007-2019	expert	F	10 to 20	1980-2019	expert	
United Kingdom	19700–34100	<1	2016	partial	-		2004-2016	complete	-		1995-2016	complete	
EU28	726000–2730000	34											
Europe	2800000–7100000	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.

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Table 2. Reported national wintering population sizes and trends in Europe¹. Note that some countries within the species' wintering range did not report any data, and that only minimum totals are presented, to avoid double-counting of birds moving between countries.

Country (or territory) ²	Population estimate				Short-term population trend ⁵				Long-term population trend ⁵				Subspecific population (where relevant)
	Size (individuals) ³	Europe (%)	Year(s)	Method ⁴	Direction ⁶	Magnitude (%) ⁷	Year(s)	Method ⁴	Direction ⁶	Magnitude (%) ⁷	Year(s)	Method ⁴	
Iceland	1000–3000	100	2018	expert	+		2002-2014	partial	+		1980-2018	partial	
Europe	1000–3000	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>.

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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 ($\geq 50\%$) | ↓ Large decrease ($\geq 50\%$) |
| ↑ 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: $\geq 10\%$ of the European population
- ↑ Medium: 1–9% of the European population
- ↑ Small: $< 1\%$ of the European population

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

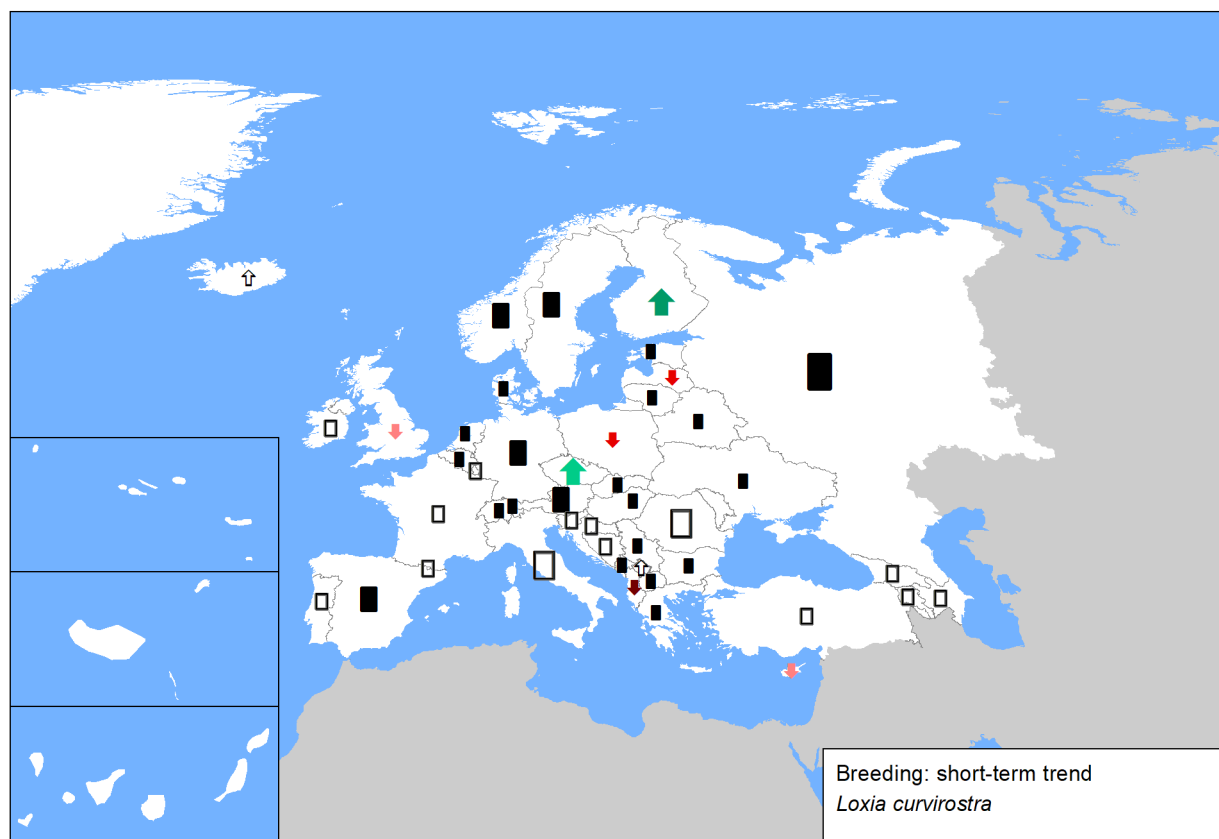


Figure 2. Breeding population sizes and long-term trends across Europe.

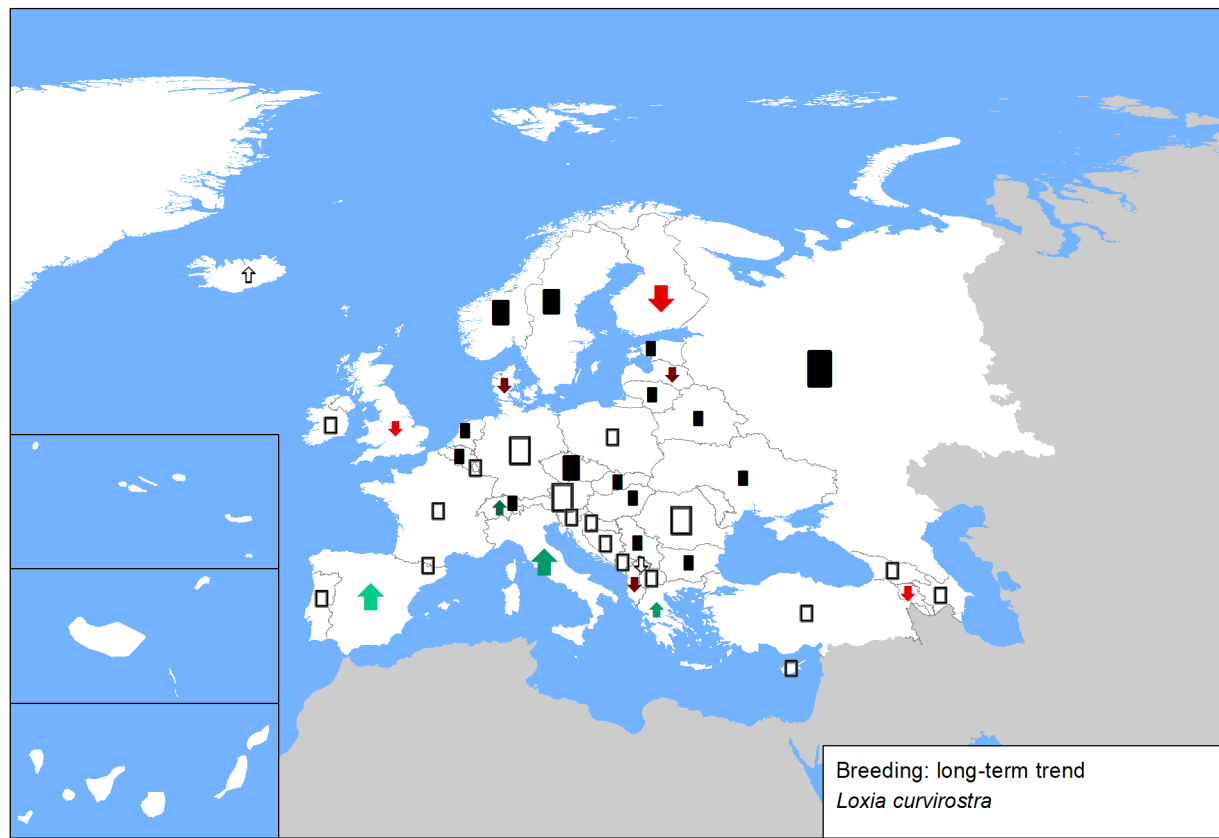


Figure 3. Reported wintering population sizes and short-term trends across Europe. Note that some countries within the species' wintering range did not report any data.

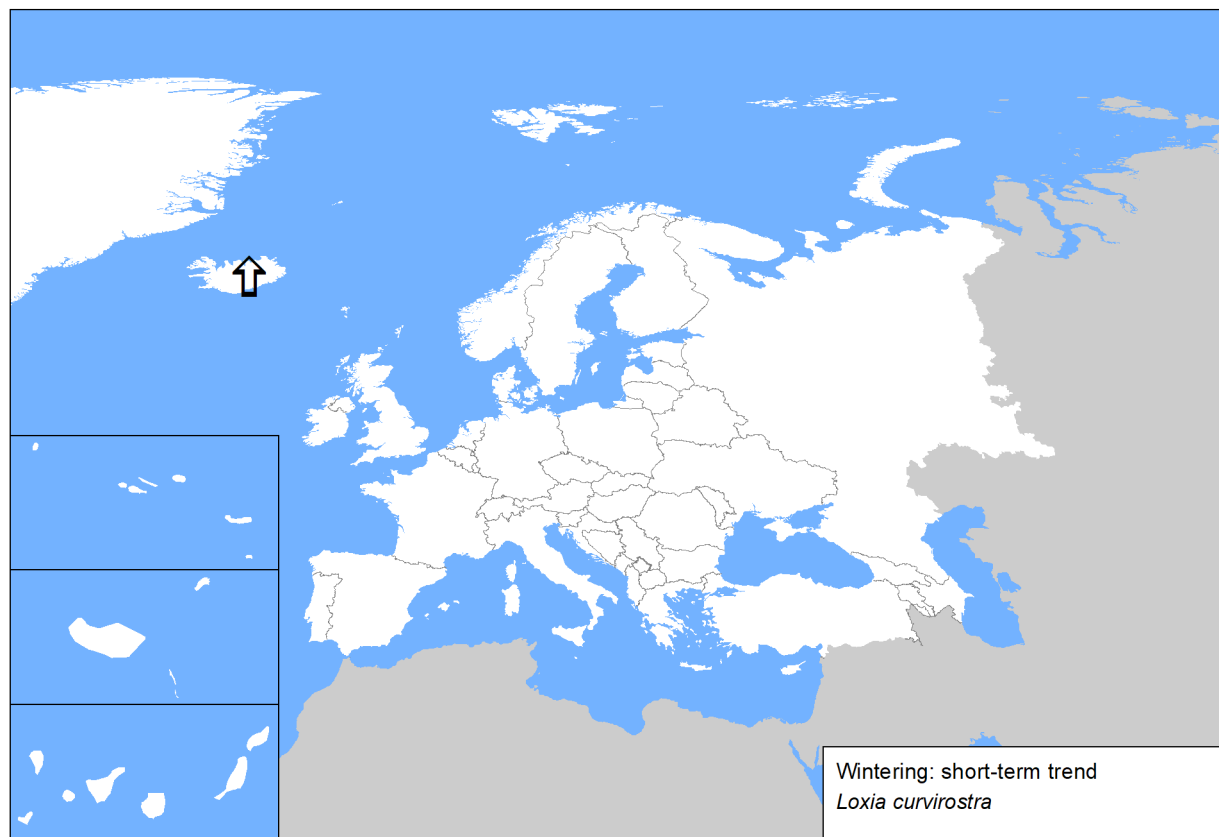
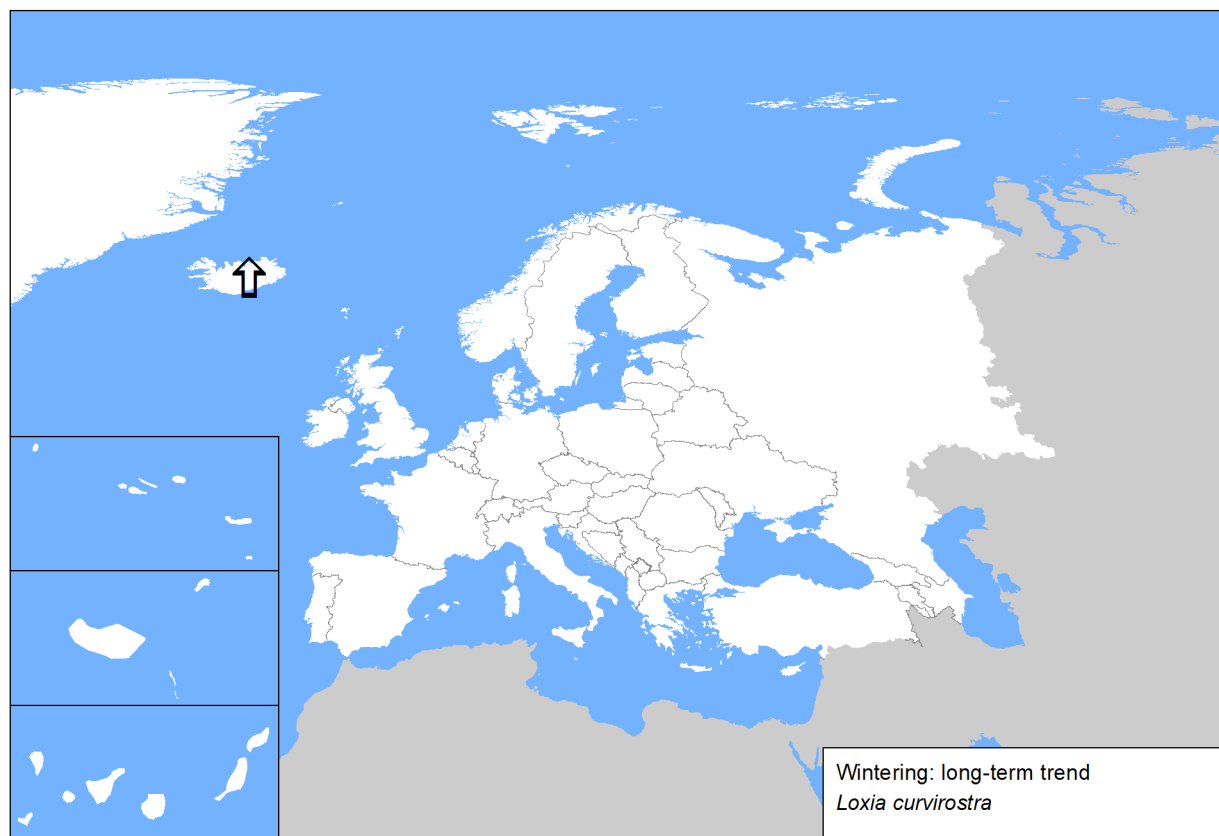


Figure 4. Reported wintering population sizes and long-term trends across Europe. Note that some countries within the species' wintering range did not report any data.



Sources

Albania

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Andorra

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Armenia

Breeding population size: TSE NGO National Bird Monitoring data.
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

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Breeding long-term trend: BirdLife Austria, unpublished

Azerbaijan

Breeding population size: BirdLife International 2004
Breeding short-term trend: AOS data base
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Belarus

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Belgium

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Bosnia and Herzegovina

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Bulgaria

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Croatia

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Cyprus

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Czechia

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Estonia

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Finland

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Germany

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Iceland

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Kosovo

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Latvia

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Breeding population size: Willi 2019
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Breeding long-term trend: Ornitho.lu (2018): online database natur&ëmwelt asbl & Dachverband Deutscher Avifaunisten (DDA) e.V.; Luxembourg Recorder (2018): database Musée national d'histoire naturelle; Luxembourg Lorgé P., E. Melchior (2016): Die Vögel Luxemburgs. Natur&ëmwelt Luxembourg. ISBN: 978-2-919920-01-3; LUXOR (2018): natur&ëmwelt – Bird-database, Luxembourg; Melchior E., E. Mentgen, R. Peltzer, R. Schmitt, J. Weiss (1987): Atlas der Brutvögel Luxemburgs. Lëtzebuerger Natur- a Vulleschützliga. Kremer-Muller & Cie, Foetz, Luxembourg

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Poland

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Breeding short-term trend: State Environmental Monitoring / Chief Inspectorate of Environmental Protection (survey: MPPL)
Breeding long-term trend: Chief Inspectorate of Environmental Protection & Polish Society for the Protection of Birds (OTOP) / BirdLife Poland

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Breeding short-term trend: Ornitodata (Romanian Ornithological Society) Database, OpenBirdMaps (Milvus Group) Database, Rombird (Romanian Rarity Commission) Database
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Russia

Breeding population size: Voltzit & Kalyakin 2013-2019; Database of the project on Atlas of breeding birds of European Russia
Breeding short-term trend: Results of winter bird surveys in Russia and adjacent regions 2007-2018; Preobrazhenskaya 2017
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Serbia

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