



THE IUCN RED LIST
OF THREATENED SPECIES™



***Lyrurus mlokosiewiczi* (Caucasian Grouse)**

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.

Lyrurus mlokosiewicz (Caucasian Grouse)

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	
Armenia	200–330	1	2013-2018	complete	-	-8 to -5	2007-2018	complete	-	-20 to -10	2003-2018	partial	
Azerbaijan	1500–3500	11	1996-2019	partial	0		2013-2019	expert	0		1980-2019	partial	
Georgia	7500–15800	54	2009	deficient	?			deficient	?				
Russia	3500–6500	24	2008-2018	partial	0		2008-2018	expert	?		1980-2018	deficient	
Turkey	1400–2700	10	2013-2019	expert	-		2012-2018	expert	-		2000-2019	expert	
Europe	14100–28800	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) Deficient: 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

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

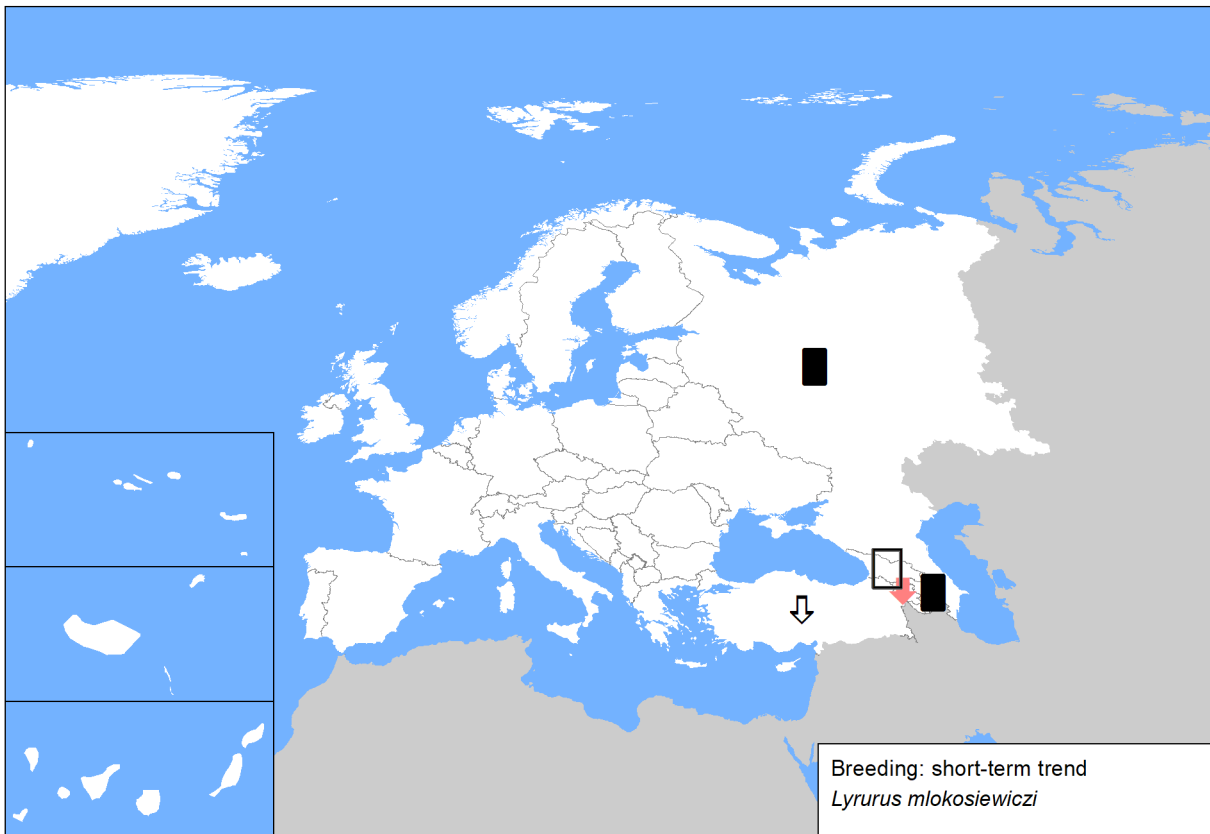
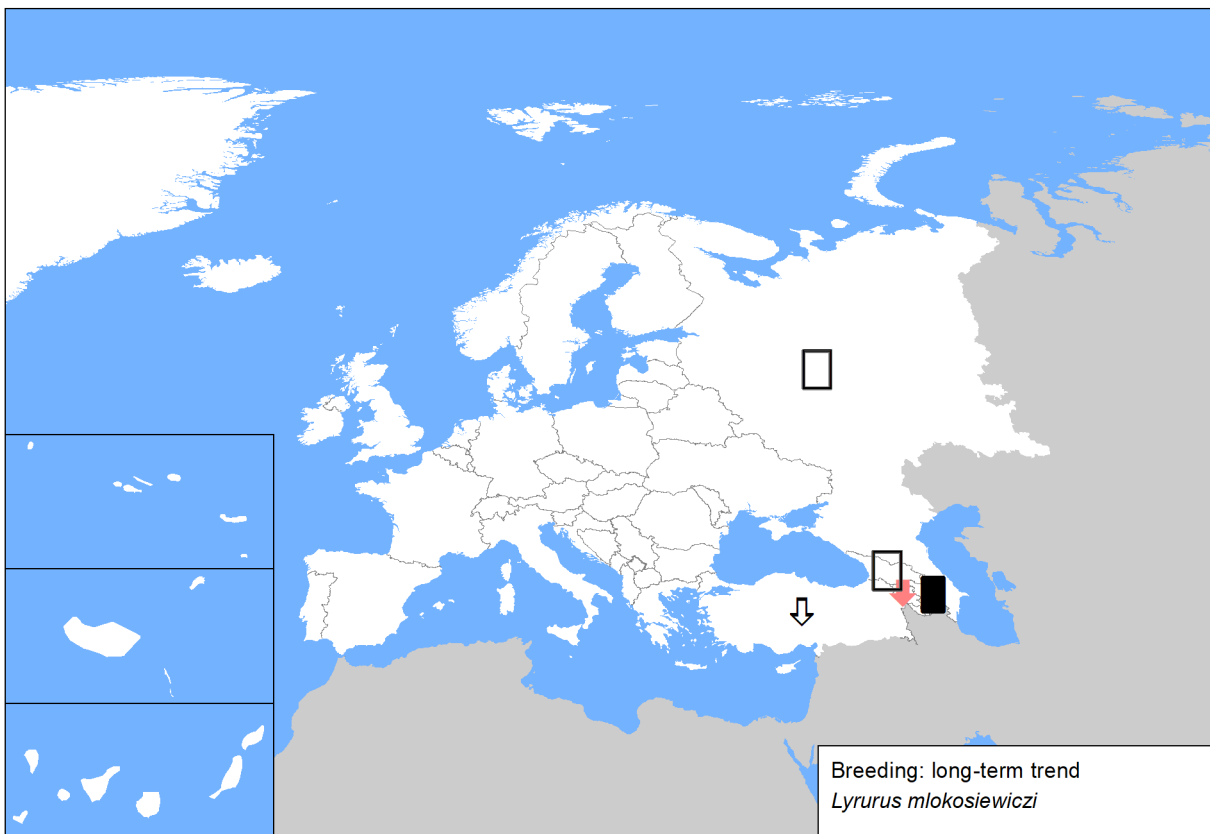


Figure 2. Breeding population sizes and long-term trends across Europe.



Lyrurus mlokosiewiczii (Caucasian Grouse)

Sources

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.

Azerbaijan

Breeding population size: Red Data Book of Azerbaijan Republic
Breeding short-term trend: AOS data base
Breeding long-term trend: AOS Data Base

Georgia

Breeding population size: BirdLife International 2004

Russia

Breeding population size: Voltzit & Kalyakin 2013-2019; Database of the project on Atlas of breeding birds of European Russia; Lokhman 2017; Tilba & Perevozov 2017
Breeding short-term trend: Tilba & Perevozov 2017

Turkey

Breeding population size: Murat Bozdoğan, Ferdi Akarsu, Soner Bekir personal communication (2019), Gottschalk, T., Ekschmitt, K., Isfendiyaroglu, S., Gem, E., Wolters, V., 2007. Assessing the potential distribution of the Caucasian black grouse (<i>Tetrao mlokosiewiczii</i>) in Turkey through spatial modeling) <i>Journal of Ornithology</i> , 148:4, Sf:427-435 Isfendiyaroglu S., Welch G., Ataol M., 2007. The Caucasian Black Grouse (<i>Tetrao mlokosiewiczii</i>) in Turkey – recent survey results and conservation recommendations, <i>Wildlife Biology</i> 13 (Suppl. 1): sf. 13-20
Breeding short-term trend: Ferdi Akarsu and Süreyya İsfandiyaroğlu Pers. Communication. There is big project which name is green road, trying to connect all high valley via big road all around the caucasus mountain in Turkey. During and after this project, habitat fragmentation and degradation situations are highly possible
Breeding long-term trend: Ferdi Akarsu and Süreyya İsfandiyaroğlu Pers. Communication. There is big project which name is green road, trying to connect all high valley via big road all around the caucasus mountain in Turkey. During and after this project, habitat fragmentation and degradation situations are highly possible

Bibliography

- Azniashvili, L. 2004. Caucasian black grouse. *Caucasus Environment*: 33-37.
- Baskaya, S. 2003. Distribution and principal threats to Caucasian black grouse *Tetrao mlokosiewiczii* in the Eastern Karadeniz Mountains in Turkey. *Wildlife Biology* 9: 377-383.
- 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. 2004. *Birds in Europe: population estimates, trends and conservation status*. BirdLife International, Cambridge, U.K.
- BirdLife International. 2004. *Birds in Europe: population estimates, trends and conservation status*. BirdLife International, Cambridge, U.K.
- Gavashelishvili, A.; Javakhishvili, Z. 2010. Combining radio-telemetry and random observations to model the habitat of Near Threatened Caucasian Grouse *Tetrao mlokosiewiczii*. *Oryx* 44(4): 491-500.
- Gokhelashvili, R.; Reese, K. P.; Gavashelishvili, L. 2003. How much do we know about the Caucasian Black Grouse *Tetrao mlokosiewiczii*? *Sandgrouse* 25: 33-40.
- Gottschalk, T. K.; Ekschmitt, K.; Isfendiyaroglu, S.; Gem, E.; Wolters, V. 2007. Assessing the potential distribution of the Caucasian Black Grouse *Tetrao mlokosiewiczii* in Turkey through spatial modelling. *Journal of Ornithology* 148(4): 427-434.
- IUCN; SSC; BirdLife; WPA Grouse Specialist Group. 2002. *Clarifying the status of the Caucasian Black Grouse*.
- Isfendiyaroglu, S., Welch, G., Ataol, M. 2007. The Caucasian black grouse *Tetrao mlokosiewiczii* in Turkey: recent survey results and conservation recommendations. *Wildlife Biology* 13(1): 13-20.
- Isfendiyaroglu, S.; Welch, G.; Ataol, M. 2007. The Caucasian black grouse *Tetrao mlokosiewiczii* in Turkey: recent survey results and conservation recommendations. *Wildlife Biology* 13: 13-20.
- Klaus, S.; Bergmann, H. H.; Wiesner, J.; Vitovich, O. A.; Etzold, J.; Sultanov, E. 2003. Verhalten und Ökologie des Kaukasusbirkhuhns *Tetrao mlokosiewiczii* - stumme Balz am steilen Hang. *Limicola* 17(5): 225-268.
- Klaus, S.; Vitovich, A. V. 2006. Clarifying the status of the Caucasian Black Grouse *Tetrao mlokosiewiczii* - methodical approach. *Grouse News*: 11-15.
- Manvelyan, K. 2004. Captive management of the Caucasian black grouse (*Tetrao mlokosiewiczii*) in the Armenian centre for biodiversity conservation. *Grouse News* 27: 6-9.
- Storch, I. in press. *Grouse: status survey and conservation action plan 2005-2009*. IUCN and the World Pheasant Association, Gland, Switzerland and Cambridge, U.K.
- Sultanov, E. 2006. Surveys in Caucasian Black Grouse habitats in Azerbaijan. *Grouse News*: 25-28.
- Tucker, G.M. and Heath, M.F. 1994. *Birds in Europe: Their Conservation Status*. BirdLife International, Cambridge, U.K.
- WWF/IUCN. 1994. *Centres of plant diversity: a guide and strategy for their conservation*. World Wide Fund for Nature and International Union for Conservation of Nature and Natural Resources, Cambridge, U.K.

de Juana, E. and G. M. Kirwan. 2020. Caucasian Grouse (*Tetrao mlokosiewiczi*), version 1.0. In: J. del Hoyo, A. Elliott, J. Sargatal, D. A. Christie, and E. de Juana (eds), *Birds of the World*, Cornell Lab of Ornithology, Ithaca, NY, USA.

del Hoyo, J., Collar, N.J., Christie, D.A., Elliott, A. and Fishpool, L.D.C. 2014. *HBW and BirdLife International Illustrated Checklist of the Birds of the World. Volume 1: Non-passerines*. Lynx Edicions BirdLife International, Barcelona, Spain and Cambridge, UK.