

***Lanius minor* (Lesser Grey Shrike)**

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.

Lanius minor (Lesser Grey Shrike)

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	260–600	<1	2007-2018	partial	+	20 to 30	2007-2018	partial	+	20 to 30	1980-2018	expert	
Armenia	2900–4100	<1	2013-2018	complete	0		2007-2018		0		2003-2018	partial	
Austria	0–3	<1	2013-2018	complete	+		2007-2018	complete	-	-90 to -70	1981-2018	complete	
Azerbaijan	5000–50000	3	1996-2019	expert	0		2013-2019	expert	?		1980-2019	expert	
Belarus	50–200	<1	2010-2018	partial	0	-10 to 10	2012-2019	expert	0	0	1980-2019	expert	
Bosnia & HG	500–800	<1	2015-2018	complete	?	-10 to 10	2007-2018	complete	?		1980-2018	deficient	
Bulgaria	6000–20000	2	2013-2018	partial	-	-40 to -30	2001-2018	complete	-	-20 to -10	1980-2018	complete	
Croatia	2300–3500	<1	2010-2015	expert	?		2007-2018	deficient	?		1980-2018	deficient	
Czechia	0	<1	2014-2017	complete	?		2002-2016	complete	-		1986-2016	complete	
France	4	<1	2018-2018	complete	-		2007-2018	complete	-		1980-2018	complete	
Georgia	24900–25000	5	2018-2019	complete	?			deficient	?				
Greece	6000–8000	1	2013-2018	expert	?		2007-2018	deficient	?		1980-2018	deficient	
Hungary	3000–4000	<1	2014-2018	complete	0		2007-2018	partial	-	-50 to -40	1994-2018	partial	
Italy	300–600	<1	2013-2018	expert	-	-70	2000-2014	expert	-		1993-2018	expert	
Kosovo	40–70	<1	2007-2019	partial	F		2007-2018	partial	+		1990-2018	partial	
Lithuania	0–5	<1	2013-2018	expert	0		2013-2018	partial	-	-100 to -50	1980-2018	partial	
North Macedonia	2000–5000	<1	2014-2019	expert	0		2007-2018	expert	?		1980-2019		
Moldova	10000–18000	2	2013-2017	complete	+		2007-2018	partial	0		1990-2018	expert	
Montenegro	180–360	<1	2013-2018	partial	+		2007-2018	expert	?				
Poland	0	<1	2013-2018	complete	?		2007-2018	deficient	-	-100	1980-2018	partial	
Romania	100000–230000	29	2013-2015	complete	?	-23 to 3	2008-2018	complete	?		1980-2018	deficient	
Russia	130000–170000	28	2008-2018	partial	-	-20 to -10	2008-2012	partial	-	-29 to -20	1980-2018	expert	
Serbia	1400–2100	<1	2013-2018	partial	+	10 to 29	2007-2018	complete	-	-29 to -10	1980-2018	complete	
Slovakia	250–400	<1	2013-2018	partial	-	-50 to -30	2007-2018	partial	-	-50 to -30	1980-2018	partial	
Slovenia	6–13	<1	2002-2018	complete	?	1 to 3	2007-2018	complete	-	-70 to -50	1980-2018	partial	
Spain	6	<1	2017	complete	?	-30 to 46	2007-2018	complete	-		1980-2018	complete	
Turkey	50000–200000	19	2002-2012	deficient	?		2008-2019	deficient	?		1980-2013	deficient	
Ukraine	30000–60000	8	2015-2017	partial	F	5 to 10	2007-2019	expert	F	10 to 15	1980-2019	expert	
EU28	118000–266000	33											
Europe	376000–803000	100											

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	Size (pairs) ³	Europe (%)	Year(s)	Method ⁴	Direction ⁶	Magnitude (%) ⁷	Year(s)	Method ⁴	Direction ⁶	Magnitude (%) ⁷	Year(s)	Method ⁴	

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 ($\geq 50\%$) | ↓ 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.

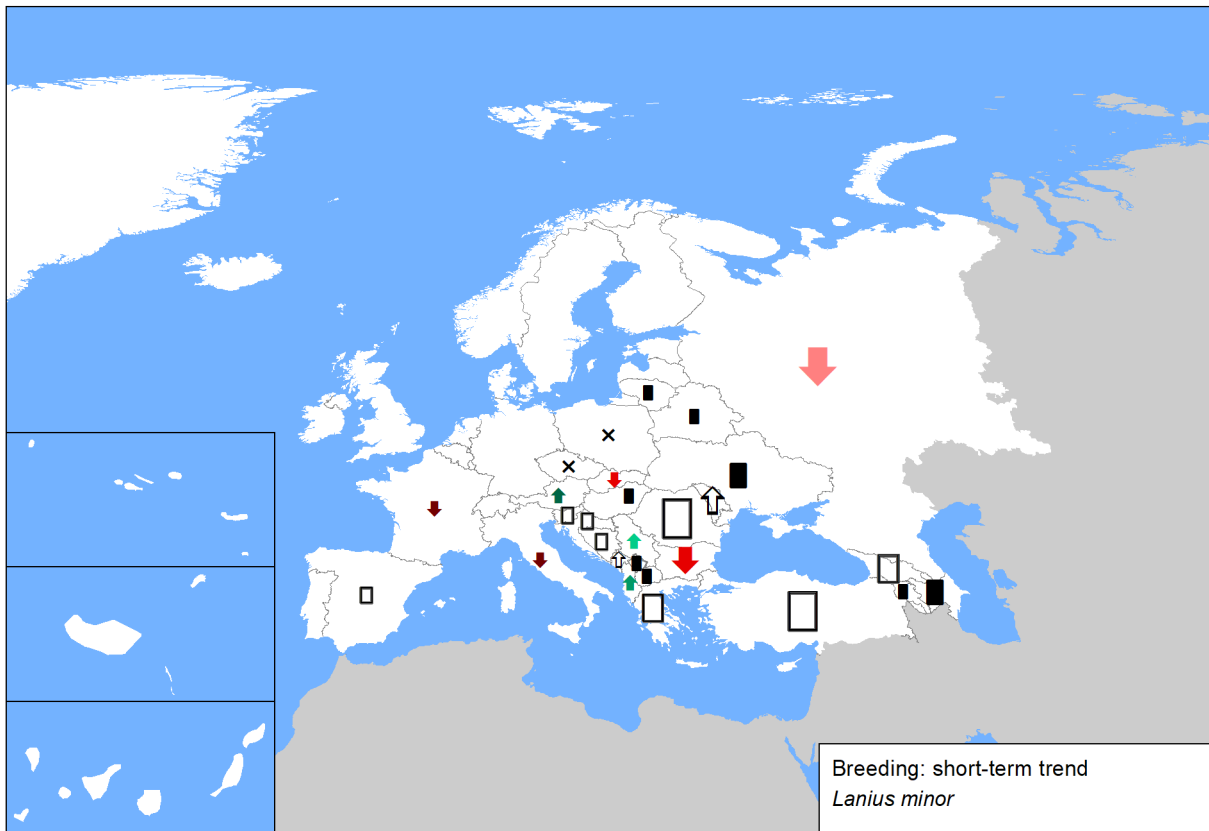
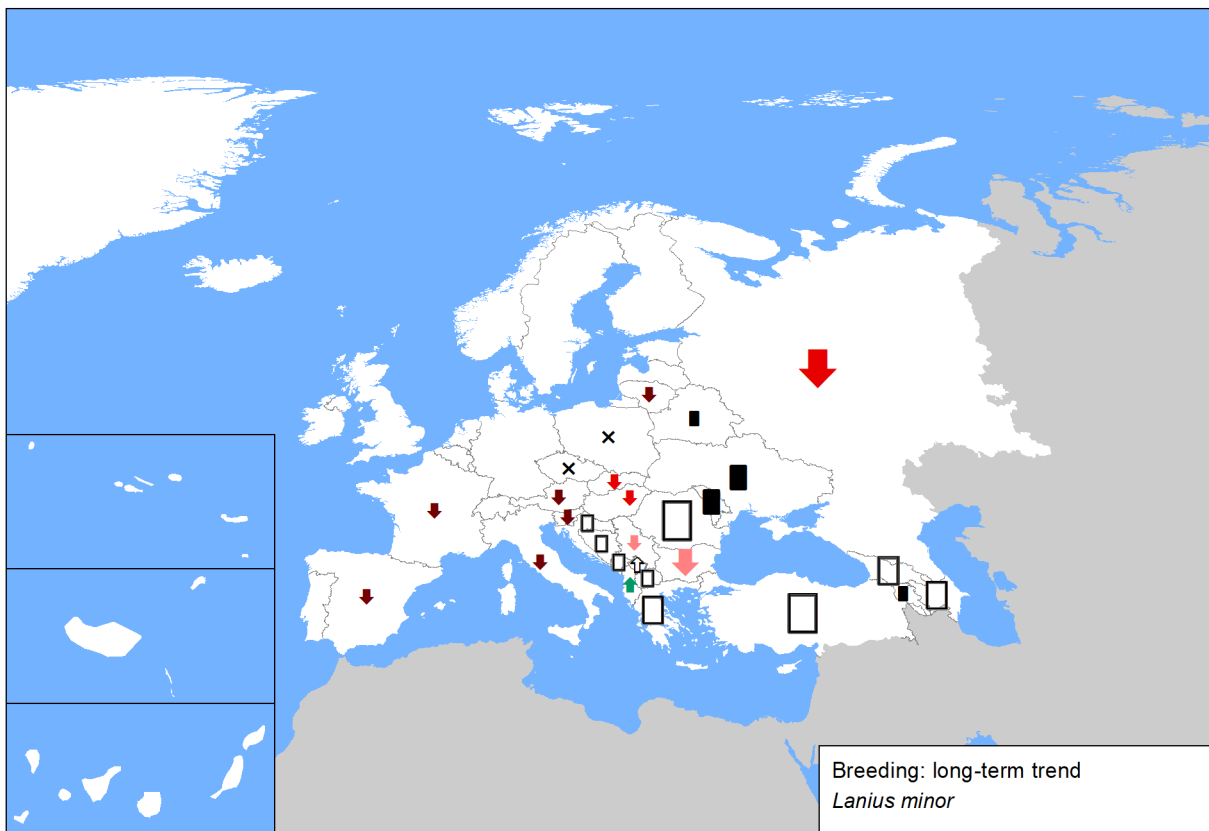


Figure 2. Breeding population sizes and long-term trends across Europe.



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Sources

Albania

Breeding population size: Bino & Xeka 2020 in EBBA 2
Breeding short-term trend: Bino & Xeka pers. obs.
Breeding long-term trend: Bino pers. obs.

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

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 data from www.ornitho.at ; 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.

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: IVANOV, B. 2011. The Fauna of Bulgaria. Vol. 30. AVES. Part III. Marin Drinov PH. Sofia. 412 pp.; National Art. 12 reporting database 2013-2018; IANKOV, P. (ed.) 2007. Atlas of Breeding Birds in Bulgaria. BSPB Conservation Series, Book 10. Sofia. 679 pp. NIKOLOV, B. 2006. The Shrikes (family Laniidae) (Aves: Passeriformes) in Bulgaria – distribution, breeding biology and migration. Institute of Zoology, Bulgarian Academy of Sciences. Sofia. 422 pp. +XLII NANKINOV, D., A. DUTSOV, B. NIKOLOV, B. BORISSOV, G. STOYANOV, G. GRADEV, D. GEORGIEV, D. POPOV, D. DOMUSCHIEV, D. KIROV, E. TILOVA, I. NIKOLOV, I. IVANOV, K. DICHEV, K. POPOV, N. KARAIVANOV, N. TODOROV, P. SHURULINKOV, R. STANCHEV, R. ALEKSOV, R. TSONEV, S. DALAKTCHIEVA, S. IVANOV, S. MARIN, S. STAJKOV, S. NIKOLOV & H. NIKOLOV. 2004. Breeding totals of the ornithofauna in Bulgaria, 2004. Green Balkans, Plovdiv. 32 pp.
Breeding short-term trend: IVANOV, B. 2011. The Fauna of Bulgaria. Vol. 30. AVES. Part III. Marin Drinov PH. Sofia. 412 pp.; National Art. 12 reporting database 2013-2018; IANKOV, P. (ed.) 2007. Atlas of Breeding Birds in Bulgaria. BSPB Conservation Series, Book 10. Sofia. 679 pp. NIKOLOV, B. 2006. The Shrikes (family Laniidae) (Aves: Passeriformes) in Bulgaria – distribution, breeding biology and migration. Institute of Zoology, Bulgarian Academy of Sciences. Sofia. 422 pp. +XLII NANKINOV, D., A. DUTSOV, B. NIKOLOV, B. BORISSOV, G. STOYANOV, G. GRADEV, D. GEORGIEV, D. POPOV, D. DOMUSCHIEV, D. KIROV, E. TILOVA, I. NIKOLOV, I. IVANOV, K. DICHEV, K. POPOV, N. KARAIVANOV, N. TODOROV, P. SHURULINKOV, R. STANCHEV, R. ALEKSOV, R. TSONEV, S. DALAKTCHIEVA, S. IVANOV, S. MARIN, S. STAJKOV, S. NIKOLOV & H. NIKOLOV. 2004. Breeding totals of the ornithofauna in Bulgaria, 2004. Green Balkans, Plovdiv. 32 pp. Common Birds Monitoring performed by BSPB shows moderate decline based on 2005-2012 data from 57 plots.
Breeding long-term trend: IVANOV, B. 2011. The Fauna of Bulgaria. Vol. 30. AVES. Part III. Marin Drinov PH. Sofia. 412 pp. IANKOV, P. (ed.) 2007. Atlas of Breeding Birds in Bulgaria. BSPB Conservation Series, Book 10. Sofia. 679 pp. NIKOLOV, B. 2006. The Shrikes (family Laniidae) (Aves: Passeriformes) in Bulgaria – distribution, breeding biology and migration. Institute of Zoology, Bulgarian Academy of Sciences. Sofia. 422 pp. +XLII NANKINOV, D., A. DUTSOV, B. NIKOLOV, B. BORISSOV, G. STOYANOV, G. GRADEV, D. GEORGIEV, D. POPOV, D. DOMUSCHIEV, D. KIROV, E. TILOVA, I. NIKOLOV, I. IVANOV, K. DICHEV, K. POPOV, N. KARAIVANOV, N. TODOROV, P. SHURULINKOV, R. STANCHEV, R. ALEKSOV, R. TSONEV, S. DALAKTCHIEVA, S. IVANOV, S. MARIN, S. STAJKOV, S. NIKOLOV & H. NIKOLOV. 2004. Breeding totals of the ornithofauna in Bulgaria, 2004. Green Balkans, Plovdiv. 32 pp.

Croatia

Breeding population size: Zavod za ornitologiju (Sanja Barišić, Davor Čiković, 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
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
Breeding short-term trend: Šťastný et Bejček in prep. - Atlas hnízdního rozšíření ptáků ČR 2014-2017

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Czechia

Breeding long-term trend: Šťastný et Bejček in prep. - Atlas hnízdního rozšíření ptáků ČR 2014-2017

France

Breeding population size: Observatoire des espèces nicheuses rares et menacées, coordination LPO. ; Quaintenne, G. & les coordinateurs espèces 2018. Les oiseaux nicheurs rares et menacés en France en 2015.. Ornithos, 25-2: 57-91, LPO, Francepp 57-91

Breeding long-term trend: Rocamora, G. & Yeatman-Berthelot, D. 1999. Oiseaux menacés et à surveiller en France. Listes rouges et recherche de priorités. populations. Tendances. Menaces. Conservation.., SEOF, LPO, Paris560 ; Sériot, J. & les coordinateurs espèces 2000. Les oiseaux nicheurs rares et menacés en France en 1998. Ornithos, 7-1, LPO, Francepp: 1-18

Georgia

Breeding population size: Nika Paposhvili: nika.paposhvili.1@iliauni.edu.ge; Zura Javakhishvili: zurab.javakhishvili.1@iliauni.edu.ge;

Greece

Breeding population size: BirdLife International 2004. Birds in Europe - Population estimates, trends and conservation status. Cambridge, UK, BirdLife International (BirdLife Conservation Series No 12).

Breeding short-term trend: Hellenic Common Birds Monitoring Scheme database, Hellenic Ornithological Society

Breeding long-term trend: no data available

Hungary

Breeding population size: Haraszthy L. (szerk.) (2014): Natura 2000 fajok és élőhelyek Magyarországon. Pro Vértes Közalapítvány, Csákvár. p. 652-654 KEHOP-4.3.0-15-2016-00001 project results, unpublished. National park directorates' databases <http://map.mme.hu/maps/map2>

Breeding short-term trend: http://www.termeszetvedelem.hu/_user/browser/File/Natura2000/BD_12_jelentes_2013_anyagai/Lanius_minor.pdf Aquila (2013), Vol.120, p. 15-37 Haraszthy L. (szerk.) (2014): Natura 2000 fajok és élőhelyek Magyarországon. Pro Vértes Közalapítvány, Csákvár. p. 652-654. National park directorates' databases <http://map.mme.hu/maps/map2>

Breeding long-term trend: Tucker, G. M. – Heath, M. F. (1994): Birds in Europe – Their Conservation Status. Royal Society for the Protection of Birds, BirdLife International, 412-413 p. Magyar G., Hadarics T., Waliczky Z., Schmidt A., Nagy T. & Bankovics A. (1998): Magyarország madarainak névjegyzéke. Madártani Intézet, Budapest, 120 p. Haraszthy, L. (szerk.) (1998): Magyarország madarai. Mezőgazda Kiadó, Budapest. 346-347 p. BirdLife International (2004) Birds in Europe: population estimates, trends and conservation status. Cambridge, UK: BirdLife International. (BirdLife Conservation Series No.12.), 254 p. Ecsedi Z. (szerk.) (2004): A Hortobágy madárvilága. Hortobágy Természetvédelmi Egyesület, Winter Fair, Balmazújváros - Szeged. 2004. 502-503 p. MME Nomenclator Bizottság (2008): Magyarország madarainak névjegyzéke. Nomenclator avium Hungariae. Magyar Madártani és Természetvédelmi Egyesület, Budapest. 206-207 p. Haraszthy L. (szerk.) (2014): Natura 2000 fajok és élőhelyek Magyarországon. Pro Vértes Közalapítvány, Csákvár. p. 652-654. KEHOP-4.3.0-15-2016-00001 project results, unpublished. National park directorates' databases <http://map.mme.hu/maps/map2> National common bird monitoring scheme (MMM) database.

Italy

Breeding population size: Brichetti com. pers.

Breeding short-term trend: Brichetti com. pers.

Breeding long-term trend: Brichetti P., Meschini E., 1993. Stima delle popolazioni di uccelli nidificanti. In Meschini E., Frugis S., 1993. Atlante degli uccelli nidificanti in Italia. Suppl. Ric. Biol. Selvaggina, 20, 1-345.

Kosovo

Breeding population size: Qenan Maxhuni

Breeding short-term trend: Qenan Maxhuni

Breeding long-term trend: Puzovic, S. et al. (2004): Birds of Serbia and Montenegro – Size of nesting populations. I trends: 1990-2002. Ciconia 12

Lithuania

Breeding population size: Expert working group of the Lithuanian Ornithological Society (lod@birdlife.lt) 2015-2018. Lietuvos perinčių paukščių atlaso duomenų bazė (Lithuanian Breeding Birds Atlas Database). Vilnius. Ministry of Environment of the Republic of Lithuania. 2012. Status and trends of bird populations (Article 12, Birds Directive 2009/147/EC) National Summary 2008-2012 Lithuania. Expert working group of the Lithuanian Ornithological Society (lod@birdlife.lt) Jusys, V., Karalius, S., Raudonikis, L. 2017. New and rare birds for Lithuania. Vilnius: „Lithuanian Ornithological Society“.

Breeding short-term trend: Expert working group of the Lithuanian Ornithological Society (lod@birdlife.lt) 2015-2018. Lietuvos perinčių paukščių atlaso duomenų bazė (Lithuanian Breeding Birds Atlas Database). Vilnius. Ministry of Environment of the Republic of Lithuania. 2012. Status and trends of bird populations (Article 12, Birds Directive 2009/147/EC) National Summary 2008-2012 Lithuania. Expert working group of the Lithuanian Ornithological Society (lod@birdlife.lt) Jusys, V., Karalius, S., Raudonikis, L. 2017. New and rare birds for Lithuania. Vilnius: „Lithuanian Ornithological Society“.

Breeding long-term trend: Logminas, V. (ed.). 1991. Lietuvos fauna: paukščiai. Vilnius: „Mokslas“. Kurlavičius, P. (ed.) 2006. Lietuvos perinčių paukščių atlasas. Kaunas: „Lututė“. Expert working group of the Lithuanian Ornithological Society (lod@birdlife.lt) BirdLife International/European Bird Census Council. 2000. European bird populations: estimates and trends. Cambridge, UK: BirdLife International (BirdLife Conservation Series No. 10). Raudonikis L. 2004. Important Bird Areas of the European Union Importance in Lithuania. Lithuanian Ornithological Society & Institute of Ecology of Vilnius University. Lutute, Vilnius. Jusys, V., Karalius, S., Raudonikis, L. 2012. Lietuvos paukščių pažinimo vadovas. Kaunas: „Lututė“. Ministry of Environment of the Republic of Lithuania. 2012. Status and trends of bird populations (Article 12, Birds Directive 2009/147/EC) National Summary 2008-2012 Lithuania. Expert working group of the Lithuanian Ornithological Society (lod@birdlife.lt) 2015-2018. Lietuvos perinčių paukščių atlaso duomenų bazė (Lithuanian Breeding Birds Atlas Database). Vilnius. Expert working group of the Lithuanian Ornithological Society (lod@birdlife.lt) Jusys, V., Karalius, S., Raudonikis, L. 2017. New and rare birds for Lithuania. Vilnius: „Lithuanian Ornithological Society“.

North Macedonia

Breeding population size: unpublished data from the European Breeding Bird Atlas 2

Breeding short-term trend: unpublished data from the European Breeding Bird Atlas 2

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Moldova

Breeding population size: Ajder V: „Factors affecting occurrence of red-backed shrike (*Lanius collurio*) and lesser grey shrike (*Lanius minor*) in low-intensity agriculture areas from Eastern Europe”

Breeding short-term trend: SPPN expert opinion (sppn.moldova@gmail.com)

Breeding long-term trend: SPPN expert opinion (sppn.moldova@gmail.com)

Montenegro

Breeding population size: Rubinić, B., Sackl, P. & Gramatikov, M. (2019): Conserving of wild birds in Montenegro. The first inventory of potential Special Protection Areas in Montenegro. Aam Consulting. Budapest xiii + 328 pp.

Poland

Breeding population size: The Polish Avifaunistic Commission <http://komisjafaunistyczna.pl/>

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

Breeding long-term trend: Stawarczyk T., Cofta T., Kajzer Z., Lontkowski J., Sikora A. 2017. Rzadkie Ptaki Polski. Studio B&W Wojciech Janecki, Sosnowiec; Tomiałojć L., Stawarczyk T. 2003. Awifauna Polski: rozmieszczenie, liczebność i zmiany. PTPP "pro Natura"; Tucker G.M., Heath

Romania

Breeding population size: Romanian Common Bird Monitoring Programme, Ornitodata (Romanian Ornithological Society) Database, OpenBirdMaps (Milvus Group) Database

Breeding short-term trend: Romanian Common Bird Monitoring Programme, Ornitodata (Romanian Ornithological Society) Database, OpenBirdMaps (Milvus Group) Database

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

Russia

Breeding population size: Voltzit & Kalyakin 2013-2019; Database of the project on Atlas of breeding birds of European Russia

Breeding short-term trend: Belik 2019; Belik unpublished

Breeding long-term trend: Belik et al. 2003; 2019

Serbia

Breeding population size: EBBA2 project; Puzović, S., Radišić, D., Ružić, M., Rajković, D., Radaković, M., Pantović, U., Janković, M., Stojnić, N., Šćiban, M., Tucakov, M., Gergelj, J., Sekulić, G., Agošton, A. & Raković, M. 2015. Birds of Serbia: Breeding Population Estimates and Trends for the Period 2008-2013. Bird protection and study society of Serbia, and Department of Biology and Ecology, Faculty of Sciences, University of Novi Sad, Novi Sad.

Breeding short-term trend: EBBA2 project; Puzović, S., Radišić, D., Ružić, M., Rajković, D., Radaković, M., Pantović, U., Janković, M., Stojnić, N., Šćiban, M., Tucakov, M., Gergelj, J., Sekulić, G., Agošton, A. & Raković, M. 2015. Birds of Serbia: Breeding Population Estimates and Trends for the Period 2008-2013. Bird protection and study society of Serbia, and Department of Biology and Ecology, Faculty of Sciences, University of Novi Sad, Novi Sad.

Breeding long-term trend: Puzović, S., Radišić, D., Ružić, M., Rajković, D., Radaković, M., Pantović, U., Janković, M., Stojnić, N., Šćiban, M., Tucakov, M., Gergelj, J., Sekulić, G., Agošton, A. & Raković, M. 2015. Birds of Serbia: Breeding Population Estimates and Trends for the Period 2008-2013. Bird protection and study society of Serbia, and Department of Biology and Ecology, Faculty of Sciences, University of Novi Sad, Novi Sad.

Slovakia

Breeding population size: Coordinatory group for reporting 2019. Danko Štefan, Darolová Alžbeta, Krištin Anton: Rozšírenie vtákov na Slovensku. VEDA, vyd. SAV Bratislava, 2002. Krištin, A. Karaska D., Trnka A., Krištin A., Ridzoň J.: Chránené vtáče územia Slovenska. ŠOP SR Banská Bystrica, 2015.

Breeding short-term trend: Coordinatory group for reporting 2019, AVES-Symfony Database 2013-2018, KIMS Database 2013-2018. Danko Štefan, Darolová Alžbeta, Krištin Anton: Rozšírenie vtákov na Slovensku. VEDA, vyd. SAV Bratislava, 2002.

Breeding long-term trend: Coordinatory group for reporting 2019, AVES-Symfony Database 2013-2018, KIMS Database 2013-2018. Danko Štefan, Darolová Alžbeta, Krištin Anton: Rozšírenie vtákov na Slovensku. VEDA, vyd. SAV Bratislava, 2002.

Slovenia

Breeding population size: Population estimate is adapted for the reporting period 2013-2018 from Mihelič T., Kmecl P., Denac K., Koce U., Vrezec A., Denac D. (eds.) (2019): Atlas ptic Slovenije. Popis gnezdilk 2002–2017. DOPPS, Ljubljana. The adaptation of the population estimate was done using the following sources: Denac K., Kljun I. (2018): Črnočeli srakoper *Lanius minor*. pp. 115-119. In: Denac K., Jančar T., Božič L., Mihelič T., Koce U., Kmecl P., Kljun I., Denac D., Bordjan D. (2018): Monitoring populacij izbranih ciljnih vrst ptic na območjih Natura 2000 v letu 2018 in sinteza monitoringa 2016-2018. Poročilo. Naročnik: Ministrstvo za kmetijstvo, gozdarstvo in prehrano. DOPPS, Ljubljana. Denac K. (2017): Črnočeli srakoper *Lanius minor*. pp. 78-87. In: Denac K., Kmecl P., Mihelič T., Jančar T., Denac D., Bordjan D.: Monitoring populacij izbranih ciljnih vrst ptic na območjih Natura 2000 v letu 2017. Poročilo. Naročnik: Ministrstvo za kmetijstvo, gozdarstvo in prehrano. DOPPS, Ljubljana. Denac K. (2016): Črnočeli srakoper *Lanius minor*. pp. 101-112. In: Denac, K., P. Kmecl, T. Mihelič, L. Božič, T. Jančar, D. Denac, D. Bordjan & J. Figelj: Monitoring populacij izbranih ciljnih vrst ptic na območjih Natura 2000 v letu 2016. Poročilo. Naročnik: Ministrstvo za kmetijstvo, gozdarstvo in prehrano. DOPPS, Ljubljana. Web portal NOAGS: <http://atlas.ptice.si/atlas/index.php?r=user/login>, accessed on 11 Apr 2019

Breeding short-term trend: Since the majority of national population of this species occurs at SPAs, the trend at SPAs is the same as national trend. Therefore, the national trend was recalculated for the requested period (2007-2018) from the SPA monitoring report (Denac K., Kljun I. (2018): Črnočeli srakoper *Lanius minor*. pp. 115-119. In: Denac K., Jančar T., Božič L., Mihelič T., Koce U., Kmecl P., Kljun I., Denac D., Bordjan D. (2018): Monitoring populacij izbranih ciljnih vrst ptic na območjih Natura 2000 v letu 2018 in sinteza monitoringa 2016-2018. Poročilo. Naročnik: Ministrstvo za kmetijstvo, gozdarstvo in prehrano. DOPPS, Ljubljana.)

Breeding long-term trend: Geister I. (1995): Ornitološki atlas Slovenije. Državna založba Slovenije, Ljubljana. Mihelič T., Kmecl P., Denac K., Koce U., Vrezec A., Denac D. (eds.) (2019): Atlas ptic Slovenije. Popis gnezdilk 2002–2017. DOPPS, Ljubljana.

Spain

Breeding population size: Seguimiento de cría de aves esteparias del anexo I de la directiva aves por parte de Cataluña y la asociación TRENCA. (<http://trenca.org/es/proyectos/alcaudon-chico-lanius-minor/>)

Lanius minor (Lesser Grey Shrike)

Spain

Breeding short-term trend: Giralt, D., Rivas, J.L. & Albero, J.C. (Eds.). (2010). El alcaudón chico en España. Población reproductora en 2010 y método de censo. SEO/BirdLife. Madrid. 62pp. (https://www.miteco.gob.es/es/biodiversidad/temas/inventarios-nacionales/35-alcaudonchico_tcm30-208008.pdf) Información proporcionada por las Comunidades Autónomas. Madroño, A., González, C. & Atienza, J.C. (Eds.). (2004). Libro Rojo de las Aves de España. Dirección General para la Biodiversidad-SEO/BirdLife, Madrid. 452 pp. (https://www.miteco.gob.es/es/biodiversidad/temas/inventarios-nacionales/lrcompletoparaweb_tcm30-207942.pdf) Martí, R. & del Moral, J.C. (Eds.) (2003). Atlas de las Aves Reproductoras de España. Dirección General de Conservación de la Naturaleza- Sociedad Española de Ornitología. Madrid, 733 pp. (https://www.miteco.gob.es/es/biodiversidad/temas/inventarios-nacionales/inventario-especies-terrestres/inventario-nacional-de-biodiversidad/ieet_aves_atlas.aspx)

Breeding long-term trend: Giralt, D., Rivas, J.L. & Albero, J.C. (Eds.). (2010). El alcaudón chico en España. Población reproductora en 2010 y método de censo. SEO/BirdLife. Madrid. 62pp. (https://www.miteco.gob.es/es/biodiversidad/temas/inventarios-nacionales/35-alcaudonchico_tcm30-208008.pdf) Información proporcionada por las Comunidades Autónomas. Madroño, A., González, C. & Atienza, J.C. (Eds.). (2004). Libro Rojo de las Aves de España. Dirección General para la Biodiversidad-SEO/BirdLife, Madrid. 452 pp. (https://www.miteco.gob.es/es/biodiversidad/temas/inventarios-nacionales/lrcompletoparaweb_tcm30-207942.pdf) Martí, R. & del Moral, J.C. (Eds.) (2003). Atlas de las Aves Reproductoras de España. Dirección General de Conservación de la Naturaleza- Sociedad Española de Ornitología. Madrid, 733 pp. (https://www.miteco.gob.es/es/biodiversidad/temas/inventarios-nacionales/inventario-especies-terrestres/inventario-nacional-de-biodiversidad/ieet_aves_atlas.aspx)

Turkey

Breeding population size: Birdlife International (2004) Birds in Europe: population estimates, trends and conservation status, Cambridge UK: Birdlife International (Birdlife Conservation series no: 12) Kusbank Bird Database (Ebird) Kirwan G.M., Boyla K. A., Castell P., Demirci B., Özen M., Welch H., Marlow T., 2008, Birds of Turkey. Londra, Christopher Helm, 978-1-4081-0475-

Ukraine

Breeding population size: Atlas work, non-published data

Bibliography

- 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.
- 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.
- Heath, M. and Tucker, G. 1994. Birds in Europe. *World Birdwatch* 16: 9-13.
- Lefranc, N.; Worfolk, T. 1997. *Shrikes: a guide to the shrikes of the world*. Pica Press, Mountfield, U.K.
- Martínez, M.G. 2011. *In situ Conservation of the Lesser Grey Shrike (Lanius minor) in Spain – 2011 Results Report*. Departament d'Agricultura, Ramaderia, Pesca, Alimentació i Medi Natural.
- Yosef, R. and International Shrike Working Group. 2008. Lesser Grey Shrike (*Lanius minor*). 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.