Netta rufina (Red-crested Pochard)

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).

Contents

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.

Table 1. Reported national breeding population size and trends in Europe[1].

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	770–1200	2	2013-2018	complete	-	-10 to -5	2007-2018	complete	?		2003-2018	deficient	
Austria	150–250	<1	2013-2018	partial	+	20 to 30	2007-2018	partial	+	1400 to 1800	1981-2018	partial	
Azerbaijan	1000–5000	6	1996-2019	expert	0		2013-2019	expert	+		1980-2019	partial	
Belgium	1–4	<1	2013-2018	complete	+		2008-2018	complete	+	0 to 300	1973-2018	partial	
Bosnia & HG	30–70	<1	2015-2018	complete	+	50 to 100	2007-2018	expert	?		1980-2018	deficient	
Croatia	25–40	<1	2013-2018	expert	+	200 to 400	2007-2018	expert	+	400 to 800	1980-2018	expert	
Cyprus	1–5	<1	2013-2018	partial	+	0 to 66	2009-2018	partial	0	0	1980-2018	expert	
Czechia	250–300	<1	2014-2017	complete	+	50 to 92	2001-2017	complete	+		1981-2017	partial	
Denmark	7	<1	2017	complete	0	-37 to 181	2006-2017	complete	+	407 to 1975	1980-2017	complete	
France	1100–1800	3	2017-2018	complete	+	10 to 15	2006-2018	expert	+	150 to 192	1981-2018	expert	
Georgia	100–1000	<1	2013-2017	partial	?			deficient	?				
Germany	1000–1100	3	2012-2016	complete	+		2004-2016	expert	+		1985-2016	expert	
Greece	5	<1	2015	partial	0		2007-2018	partial	?		1980-2018	deficient	
Hungary	300–500	<1	2013-2018	partial	+	275 to 400	2007-2018	partial	+	29900 to 49900	1983-2018	partial	
Italy	140–160	<1	2013-2018	expert	+	165 to 265	2007-2018	expert	+	430 to 625	1993-2018	expert	
Latvia	1–3	<1	2013-2018	expert	0		2012-2018	partial	?		1980-2018	deficient	
North Macedonia	1–10	<1	2014-2019	expert	0		2007-2018	expert	?		1980-2019		
Netherlands	370–520	1	2013-2016	complete	+	22 to 60	2006-2017	complete	+	3685 to 5015	1980-2017	complete	
Poland	15–48	<1	2013-2018	complete	?		2007-2018	deficient	F		1980-2018	expert	
Portugal	500–1000	2	2013-2018	partial	+		2007-2018	partial	+		1980-2018	partial	
Romania	230–2300	2	2013-2018	expert	?		2007-2018	deficient	?		1980-2018	deficient	
Russia	20000–25000	54	2008-2018	partial	-	0	2008-2018	expert	+	0	1980-2018	expert	
Serbia	3–6	<1	2013-2018	complete	+	80 to 100	2007-2018	complete	+	80 to 100	1980-2018	complete	
Slovakia	50–150	<1	2013-2018	partial	+	20 to 30	2007-2018	partial	+	100 to 300	1980-2018	partial	
Slovenia	1–5	<1	2013-2018	complete	+	70 to 100	2007-2018	complete	+	100 to 400	1980-2018	partial	
Spain	7200	18	2007	partial	+	1 to 63	2007-2018	partial	+		1980-2018	partial	
Switzerland	210–300	<1	2013–2016	complete	+	34 to 147	2007-2018	complete	+	661 to 1267	1990-2018	complete	
Turkey	1000–3000	4	2002-2012	partial	?		2012-2018	deficient	?		1980-2013	deficient	
Ukraine	200–700	1	2004-2018	partial	-	-20 to -10	2007-2018	partial	-	-30 to -10	1980-2018	partial	
United Kingdom	20–47	100	2010-2014	complete	+		2005-2016	complete	+		1993-2016	complete	non-native populations
EU28	11300–15400	31											
Europe	**34600–51600**	**100**											

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Table 1. Reported national breeding population size and trends in Europe[1].

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]	
Europe	20–47	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.

Table 2. Reported national wintering population sizes and trends in Europe[1]. 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]	
Albania	40–350	<1	2007-2018	complete	-	-73 to -36	2007-2018	complete	-	-75 to 14	1980-2018	complete	
Armenia	2000–4000	<1	2013-2018	partial	-	-5 to -3	2007-2018	partial	?		2003-2018	deficient	
Austria	400–2900	<1	2013-2018	complete	+		2007-2018	complete	+		1981-2018	complete	
Azerbaijan	100000–500000	70	1996-2019	complete	+		2010-2019	complete	0		1980-2019	expert	
Bosnia & HG	20–200	<1	2015-2018	complete	?		2007-2018	deficient	?		1980-2018	deficient	
Bulgaria	10–1200	<1	2013-2018	complete	F		2000-2018	complete	-	-20 to -10	1980-2018	complete	
Croatia	10–100	<1	2011-2011	expert	F		2007-2018	expert	?		1980-2013	deficient	
Cyprus	2–6	<1	2013-2018	partial	0	0	2007-2018	partial	0	0	1980-2018	expert	
Czechia	6–17	<1	2015-2019	complete	+		2008-2019	complete	+		1980-2019	complete	
France	4000–7300	2	2013-2017	complete	0	-30 to 0	2005-2017	complete	+	40 to 76	1980-2017	complete	
Germany	13500	4	2011-2016	complete	+	181 to 235	2003-2016	complete	+	6266 to 9710	1980-2016	complete	
Greece	10–60	<1	2013-2018	partial	?		2007-2018	deficient	?		1980-2018	deficient	
Italy	440–650	<1	2013-2015	partial	+	95 to 165	2009-2015	partial	+	-655 to -995	1991-2015	partial	
North Macedonia	200–1000	<1	2013-2018	complete	-	-87 to -67	2010-2019	complete	-	-83 to -68	1988-2018	complete	
Netherlands	190–270	<1	2013-2017	partial	?	-62 to 103	2006-2017	complete	+	131 to 1085	1981-2017	partial	
Portugal	140–500	<1	2013-2018	complete	?	-31 to 25	2007-2018	complete	0		1988-2018	partial	
Romania	26–16400	<1	2013-2018	partial	?	-4 to 42	2013-2018	complete	-	-10 to -1	2000-2018	partial	
Serbia	2–20	<1	2013-2018	complete	F		2013-2018	complete	?		1980-2018	deficient	
Spain	10300–26900	5	2013-2018	partial	+	14 to 75	2007-2018	complete	+		1980-2018	complete	
Switzerland	18200–25200	7	2015-2019	complete	+	54 to 57	2008-2019	complete	+	824 to 849	1980-2019	complete	
Turkey	5100–96000	7	2013-2019	complete	?		2008-2019	deficient	?		1980-2019	deficient	
Ukraine	11000	3	2017	complete	?		2007-2018	deficient	?		1980-2018	deficient	
EU28	29100–53300	12											
Europe	**165000–708000**	**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 (≥50%)
- Moderate increase (20–49%)
- Small increase (<20%)
- Increase of unknown magnitude
- Stable or fluctuating
- Unknown
- Present (no population or trend data)
- Extinct since 1980
- Large decrease (≥50%)
- Moderate decrease (20–49%)
- Small decrease (<20%)
- Decrease of unknown magnitude

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.

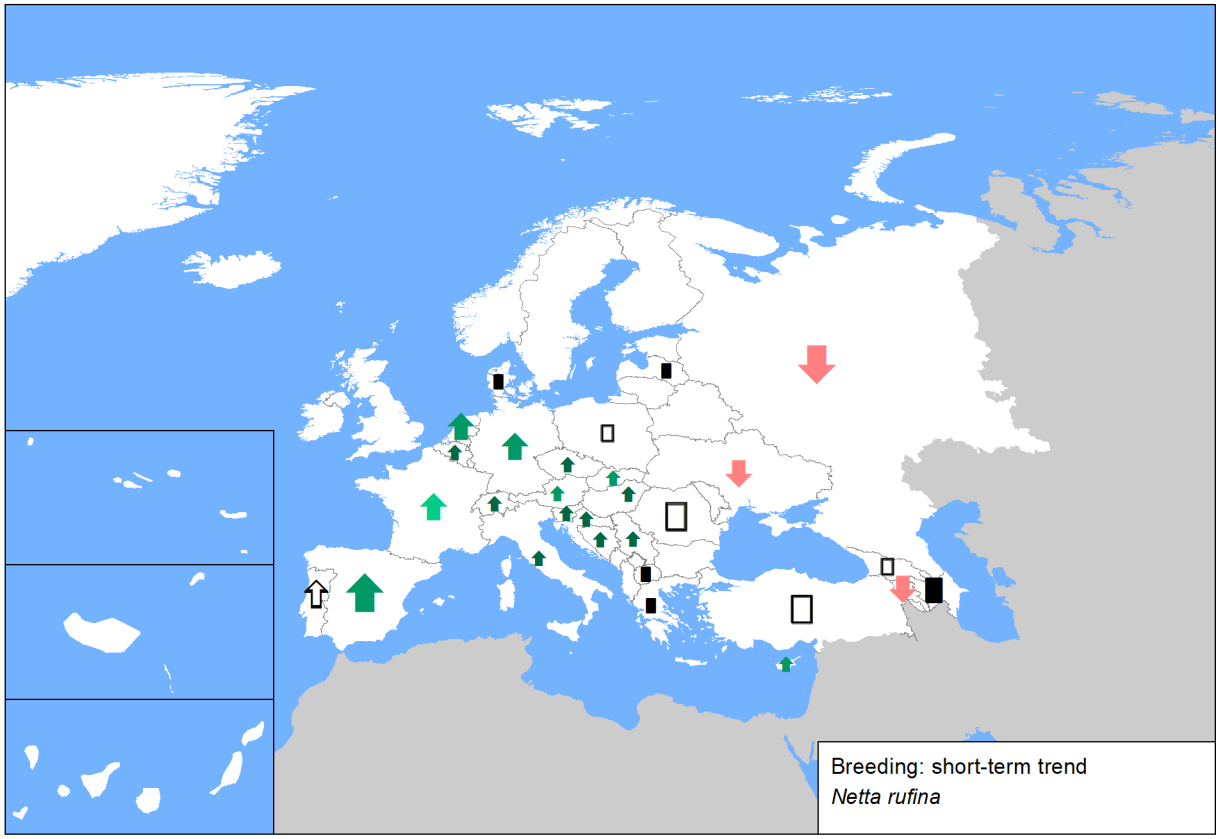


Figure 2. Breeding population sizes and long-term trends across Europe.

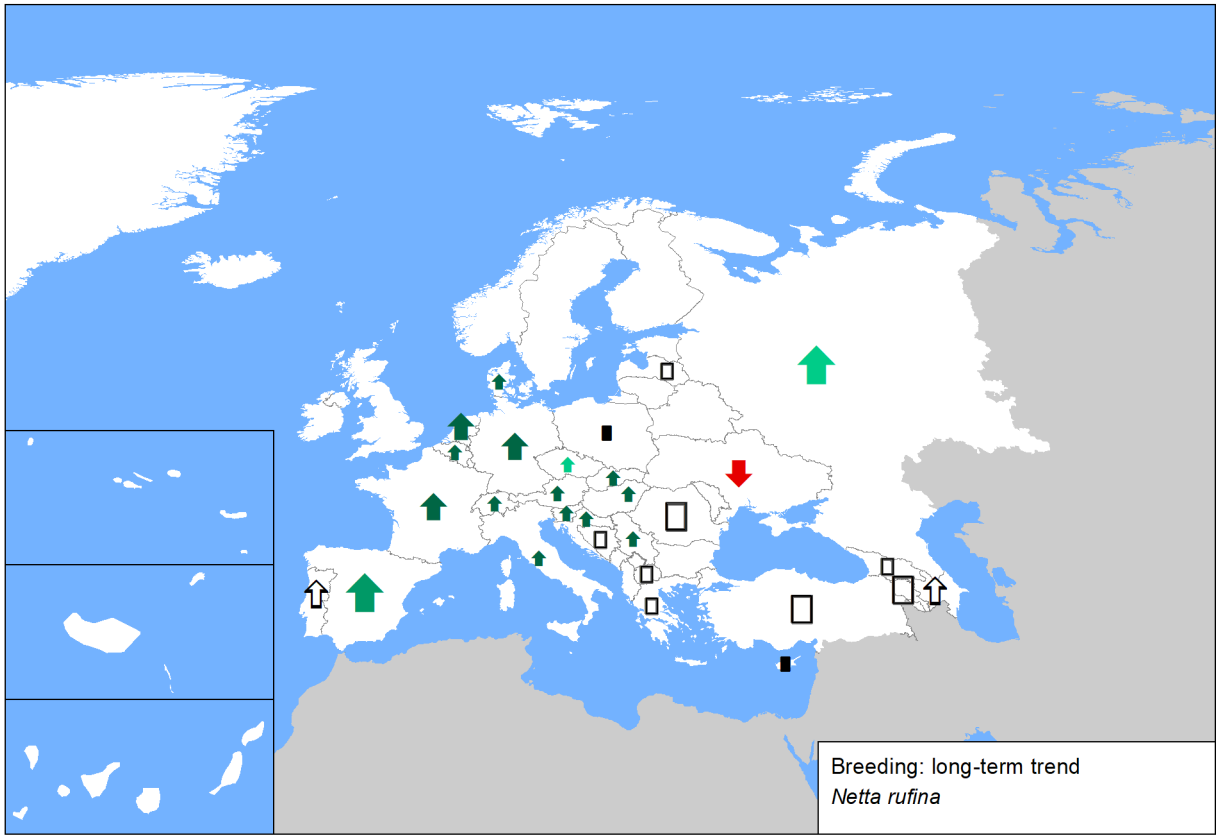


Figure 3. Reported wintering population sizes and short-term trends across Europe. Note that some countries within the species' wintering range did not report any data.

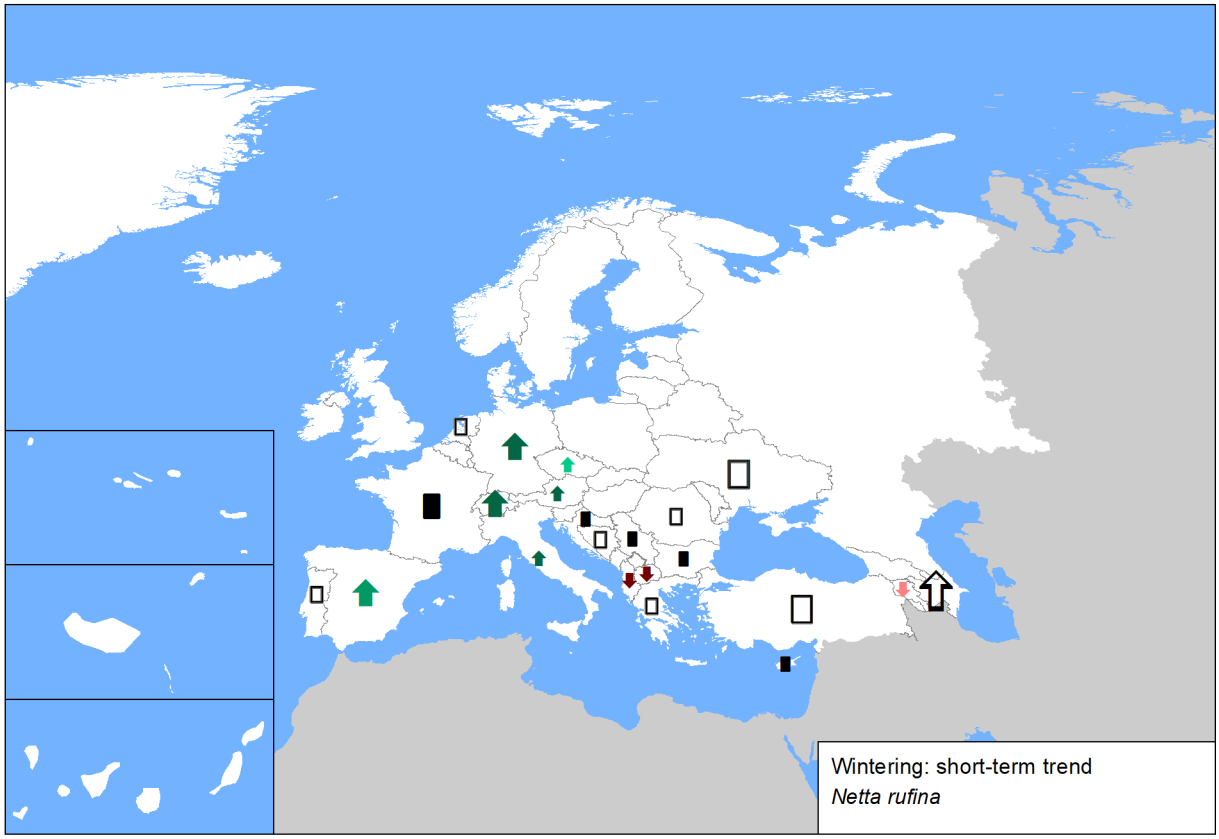
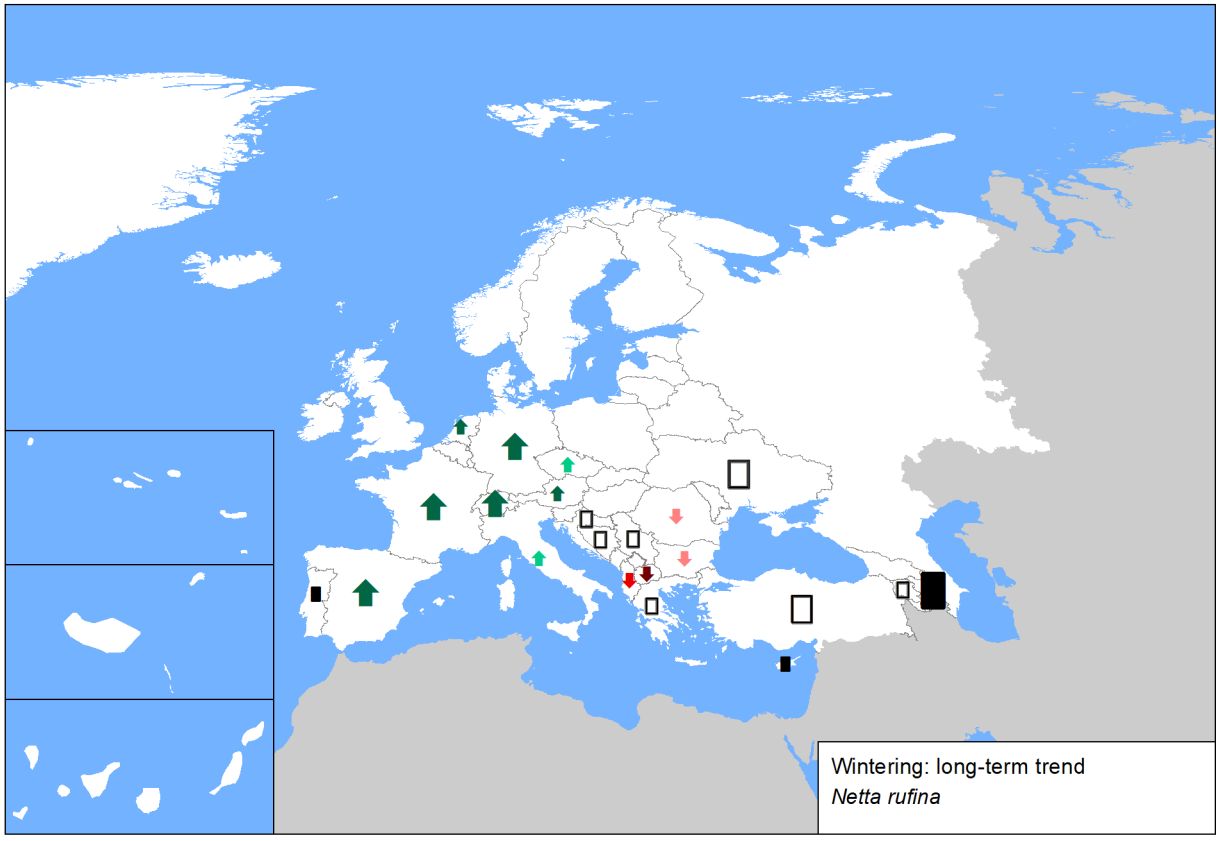


Figure 4. Reported wintering population sizes and long-term trends across Europe. Note that some countries within the species' wintering range did not report any data.



Sources

Albania

Winter population size: Bino pers. obs.
Winter short-term trend: Bino et al. 2018
Winter long-term trend: Bino et al. 2018

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.
Winter population size: TSE NGO, National Bird Monitoring
Winter short-term trend: TSE calculations using TRIM
Winter long-term trend: TSE calculations using TRIM

Austria

Breeding population size: BirdLife Austria unpublished data from specific monitoring projects and from www.ornitho.at, Ornithologischer Rundbrief für das Bodenseegebiet Sommer 2013-2018 (Rheindelta), Alexander Schuster unpublished data (Trauntal)
Breeding short-term trend: BirdLife Austria unpublished data
Breeding long-term trend: BirdLife Austria unpublished data
Winter population size: BirdLife Austria, data of the International Waterfowl Counts (January count)
Winter short-term trend: BirdLife Austria, data of the International Waterfowl Counts (January count)
Winter long-term trend: BirdLife Austria, data of the International Waterfowl Counts (January count)

Azerbaijan

Breeding population size: AOS data base
Breeding short-term trend: AOS data base
Breeding long-term trend: AOS Data Base
Winter population size: AOS data base
Winter short-term trend: AOS Data Base
Winter long-term trend: AOS Data Base

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)
Winter population size: based on IWC reports-all reports published in magazine Bilten mreže posmatrača ptica (www.ptice.ba)
Winter short-term trend: based on IWC reports-all reports published in magazine Bilten mreže posmatrača ptica (www.ptice.ba)
Winter long-term trend: There are no qualitative data before 2005 to make estimates

Bulgaria

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Croatia

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Winter short-term trend: BirdLife International 2015: European Red List of Birds. Luxembourg: Office for Official Publications of the European Communities.). Http://datazone.birdlife.org/info/euroredlist
Winter long-term trend: no data available

Cyprus

Breeding population size: Systematic monthly waterbird counts by BirdLife Cyprus as published in BirdLife Cyprus monthly checklists; Birdwatching records as reported in BirdLife Cyprus annual reports
Breeding short-term trend: Systematic monthly waterbird counts by BirdLife Cyprus as published in BirdLife Cyprus monthly checklists; Birdwatching records as reported in BirdLife Cyprus annual reports
Breeding long-term trend: For the period 1980-2004, based on birdwatching records as reported in BirdLife Cyprus annual reports
Winter population size: Monthly waterbird counts by BirdLife Cyprus and Game & Fauna Service, as published in BirdLife Cyprus monthly checklists and also by the Game & Fauna Service; Analysis of recent BirdLife Cyprus bird sightings records reported in the society's annual reports. Very poor data
Winter short-term trend: Monthly waterbird counts by BirdLife Cyprus and Game & Fauna Service, as published in BirdLife Cyprus monthly checklists and also by the Game & Fauna Service; Analysis of recent BirdLife Cyprus bird sightings records reported in the society's annual reports. Very poor data.
Winter long-term trend: More recent records (2000 onwards) as above, pre-2000 records based on birdwatching records as reported in BirdLife Cyprus annual reports

Czechia

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France

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Georgia

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Germany

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Winter population size: Dachverband Deutscher Avifaunisten e.V. (http://www.dda-web.de)

Winter short-term trend: Dachverband Deutscher Avifaunisten e.V. (http://www.dda-web.de)

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Greece

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Winter long-term trend: no data available

Hungary

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Latvia

Breeding population size: Unpublished data for European Breeding Bird Atlas (2013-2017); Expert: Andris Dekants, andris.dekants@lob.lv
Breeding short-term trend: Expert: Viesturs Kerus, vieturs@lob.lv Unpublished data for European Breeding Bird Atlas (2013-2017); Expert: Andris Dekants, andris.dekants@lob.lv
Breeding long-term trend: No data available.

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
Winter population size: unpublished IWC data of the Macedonian Ecological Society
Winter short-term trend: unpublished IWC data of the Macedonian Ecological Society
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Netherlands

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Breeding short-term trend: NEM (Sovon, RWS, CBS, provincies)
Breeding long-term trend: Sovon
Winter population size: NEM waterbird monitoring scheme (Sovon, RWS, CBS, provincies)
Winter short-term trend: NEM waterbird monitoring scheme (Sovon, RWS, CBS, provincies)
Winter long-term trend: NEM waterbird monitoring scheme (Sovon, RWS, CBS, provincies)

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: Tucker G.M., Heath M.F. 1994. Birds in Europe: their conservation status. BirdLife International, Cambridge, UK; BirdLife International 2004. Birds in Europe: population estimates, trends and conservation status. BirdLife International, Cambridge, UK; Sta

Portugal

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Romania

Breeding population size: Ornitodata (Romanian Ornithological Society) Database, OpenBirdMaps (Milvus Group) Database, Rombird (Romanian Rarity Commission) Database

Netta rufina (Red-crested Pochard)

Romania

Breeding short-term trend: Ornitodata (Romanian Ornithological Society) Database, OpenBirdMaps (Milvus Group) Database, Rombird (Romanian Rarity Commission) Database
Breeding long-term trend: Ornitodata (Romanian Ornithological Society) Database, OpenBirdMaps (Milvus Group) Database, Rombird (Romanian Rarity Commission) Database
Winter population size: International Waterbird Census, Romania, Ornitodata (Romanian Ornithological Society) Database, OpenBirdMaps (Milvus Group) Database
Winter short-term trend: International Waterbird Census, Romania, Ornitodata (Romanian Ornithological Society) Database, OpenBirdMaps (Milvus Group) Database
Winter long-term trend: International Waterbird Census, Romania, Ornitodata (Romanian Ornithological Society) Database, OpenBirdMaps (Milvus Group) 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: Reutsky 2014
Breeding long-term trend: Belik et al. 2003; Reutsky 2014

Serbia

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Winter population size: IWC database
Winter short-term trend: IWC database
Winter long-term trend: IWC database; Bioras database http://www.bioras.petnica.rs/home.php

Slovakia

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Slovenia

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Spain

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Switzerland

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Netta rufina (Red-crested Pochard)

Switzerland

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Winter population size: Strebel, N. (2019): Überwinternde Wasservögel in der Schweiz: Ergebnisse der Wasservogelzählungen 2018/2019. Schweizerische Vogelwarte, Sempach./Strebel, N. (2019): Monitoring hivernal des oiseaux d'eau en Suisse: Résultats des recensements des oiseaux d'eau 2018/2019. Station ornithologique suisse, Sempach.
Winter short-term trend: Strebel, N. (2019): Überwinternde Wasservögel in der Schweiz: Ergebnisse der Wasservogelzählungen 2018/2019. Schweizerische Vogelwarte, Sempach./Strebel, N. (2019): Monitoring hivernal des oiseaux d'eau en Suisse: Résultats des recensements des oiseaux d'eau 2018/2019. Station ornithologique suisse, Sempach.
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Winter population size: Ebird Datebase and Midwinter Fowl Counts (2013-2018), Birdlife Estimate
Winter short-term trend: Midwinter bird counts 2012-2019
Winter long-term trend: Midwinter bird counts 1980-2019 and Historical Records come from OSME and other midwinter counts

Ukraine

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