



THE IUCN RED LIST
OF THREATENED SPECIES™



Picus canus (Grey-faced Woodpecker)

European Red List of Birds

Supplementary Material

The European Union (EU27) 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 2013-14.

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 (2015).

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Recommended citation

BirdLife International (2015) European Red List of Birds. Luxembourg: Office for Official Publications of the European Communities.

Further information

- <http://www.birdlife.org/datazone/info/euroredlist>
- <http://www.birdlife.org/europe-and-central-asia/european-red-list-birds-0>
- <http://www.iucnredlist.org/initiatives/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.

Picus canus (Grey-faced Woodpecker)

Table 1. Reported national breeding population size and trends in Europe¹.

Country (or territory) ²	Population estimate				Short-term population trend ⁴				Long-term population trend ⁴				Subspecific population (where relevant)
	Size (pairs) ³	Europe (%)	Year(s)	Quality	Direction ⁵	Magnitude (%) ⁶	Year(s)	Quality	Direction ⁵	Magnitude (%) ⁶	Year(s)	Quality	
Albania	10-50	<1	2002-2012	poor	?				?				
Austria	4,000-8,000	2	2001-2012	medium	?				?				
Belarus	8,000-12,000	4	2000-2012	medium	0	0	2001-2012	medium	0	0	1980-2012	medium	
Belgium	5-30	<1	2008-2012	poor	-	9-85	2000-2012	poor	0	0	1973-2012	poor	
Bosnia & HG	3,000-4,000	1	2010-2014	poor	?				?				
Bulgaria	1,500-3,000	1	2005-2012	medium	0	0-10	2000-2012	medium	0	0-10	1980-2012	poor	
Croatia	3,500-4,000	1	2013	poor	?				?				
Czech Rep.	3,000-5,000	2	2001-2003	good	+	105-117	2000-2012	good	+	103-109	1982-2012	good	
Estonia	3,000-5,000	2	2001-2012	medium	0	0-10	2001-2012	medium	+	20-50	1980-2012	medium	
Finland	3,000-4,000	1	2006-2010	medium	+	384-579	2001-2011	medium	+	698-1227	1986-2011	medium	
France	1,000-3,500	1	2008-2012	medium	-	0-20	2002-2012	poor	-	25-75	1980-2012	poor	
Germany	10,500-15,500	5	2005-2009	good	-	31-100	1998-2009	medium	-	1-54	1990-2009	good	
Greece	200-400	<1	2008-2012	poor	?				?				
Hungary	1,500-2,400	1	2008-2012	medium	0	0	2000-2012	poor	?				
Italy	700-1,500	<1	2007	poor	0	0	2000-2009	poor	0	0	1980-2009	poor	
Kosovo	350-500	<1	2009-2014	medium	?				?				
Latvia	15,052-85,005	14	2012	medium	F	0-300	2005-2012	poor	+	296-3109	1994-2010	poor	
Liechtenstein	1-2	<1	2009-2014	poor	0	0	2003-2014	poor	0	0	1980-2014	poor	
Lithuania	800-2,000	1	2008-2012	medium	+	10-20	2001-2012	medium	+	10-20	1980-2012	medium	
Luxembourg	30-40	<1	2008-2012	medium	+	0-10	2000-2012	medium	0	0	1980-2012	medium	
FYRO Macedonia	50-250	<1	2001-2012	poor	?				?				
Moldova	1,200-2,100	1	2000-2010	medium	F	0	2000-2010	medium	F	0	1980-2010	medium	
Montenegro	400-600	<1	2002-2012	poor	?				?				
Norway	1,500-3,000	1	2000-2013	poor	?				?				
Poland	3,000-5,000	2	2008-2012	medium	+	40-1230	2000-2012	good	+	150-200	1980-2012	medium	
Romania	30,000-60,000	17	2010-2013	medium	?				?				
Russia	70,000-100,000	33	2000-2008	poor	F	0	2002-2012	poor	F	0	1980-2012	poor	
Serbia	2,500-3,200	1	2008-2012	medium	+	1-9	2000-2012	medium	0	0	1980-2012	medium	
Slovakia	2,000-3,000	1	2002	medium	0	0	2000-2012	medium	0	0	1980-2012	medium	
Slovenia	3,000-6,000	2	2002-2012	medium	?				?				
Sweden	1,300-2,600	1	2008-2012	good	0	0	2001-2012	medium	+	50-150	1980-2012	medium	
Switzerland	700-1,500	<1	2008-2012	medium	-	5-35	2001-2012	medium	-		1980-2012	medium	

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	Size (pairs) ³	Europe (%)	Year(s)	Quality	Direction ⁵	Magnitude (%) ⁶	Year(s)	Quality	Direction ⁵	Magnitude (%) ⁶	Year(s)	Quality	
Turkey	1,000-2,000	1	2013	poor	-	0-19	2000-2012	medium	?				
Ukraine	11,000-15,000	5	2000	medium	+	5-10	2001-2012	medium	F	10-20	1980-2012	medium	
EU27	83,600-212,000	51			Uncertain								
Europe	187,000-360,000	100			Stable								

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 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.

⁵ Trend directions are reported as: increasing (+); decreasing (-); stable (0); fluctuating (F); or unknown (?).

⁶ 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.

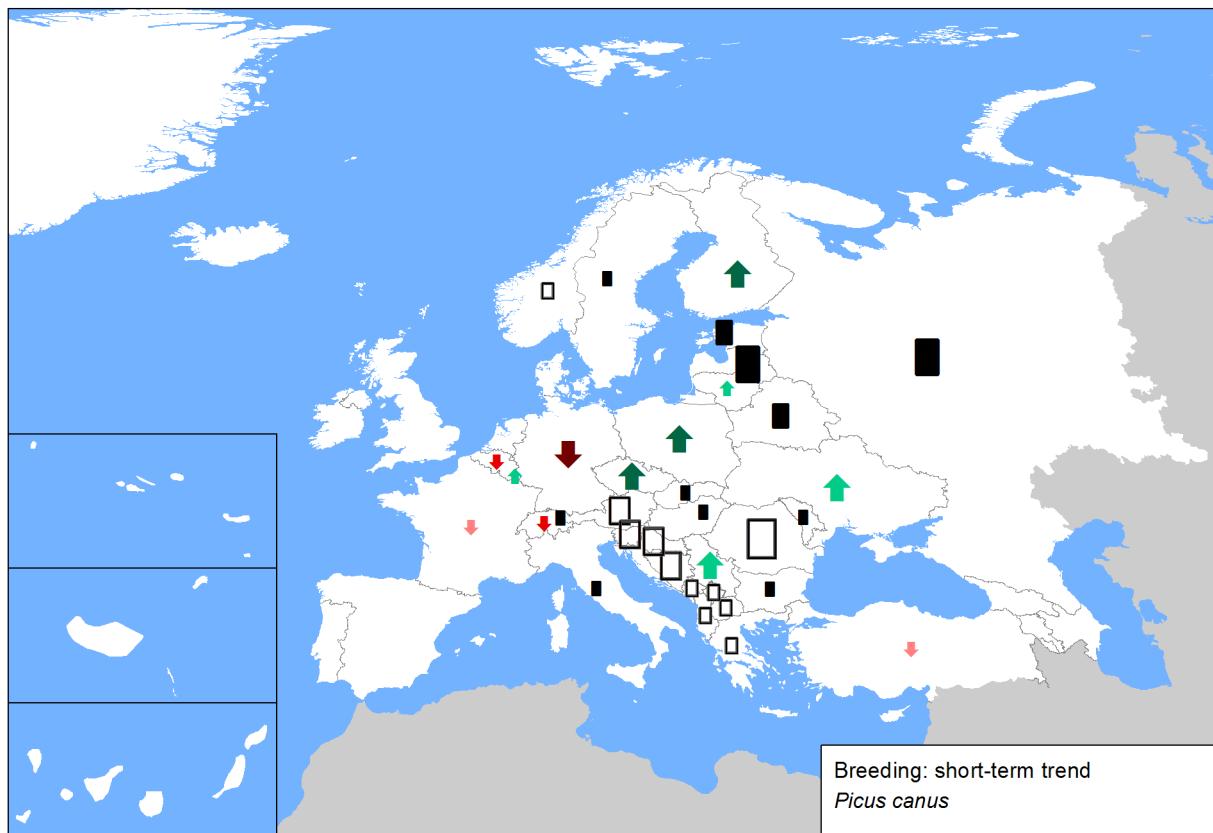
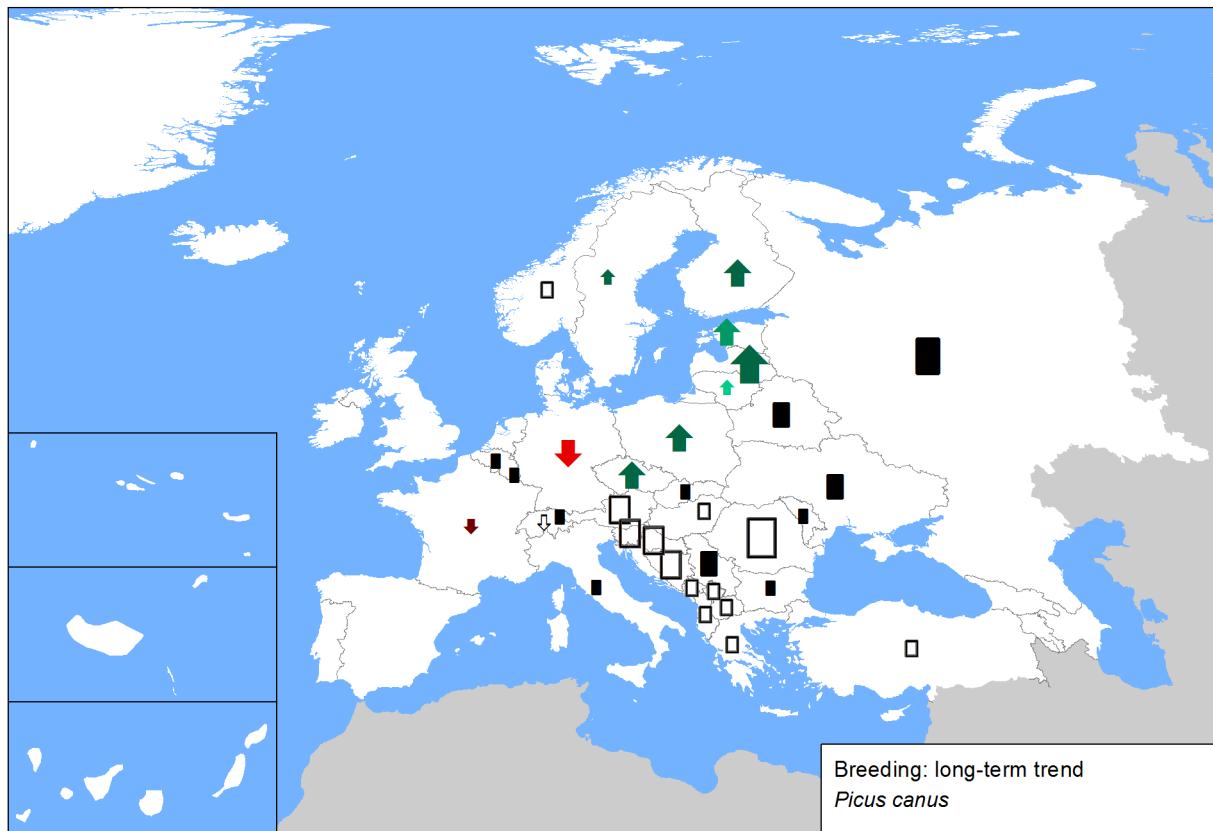


Figure 2. Breeding population sizes and long-term trends across Europe.



Sources

Albania

Breeding population size: Bino pers. obs.

Austria

Breeding population size: BirdLife Austria, extrapolation on the basis of available unpublished and published population and density data

Breeding short-term trend: BirdLife Austria, estimate on the basis of available unpublished and published trend data

Belarus

Breeding population size: Zhuravliev D.V. - personal communication

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

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

Breeding population size: Selected data Aves and expert opinion (minimal number of localities with data per year: 5, maximal: 30)

Breeding short-term trend: Rare bird panel

Breeding long-term trend: Comparison between 2008-2012 estimate and Devillers, 1989 (Atlas of the Belgian Breeding Bird) population estimate

Bosnia and Herzegovina

Breeding population size: Kotrošan, D., Drocic, N., Trbojević, S., Šimić, E., Dervović, I., 2012: Program IBA, Međunarodno značajna područja za ptice, u Bosni i Hercegovini. Ornitolosko društvo "Naše ptice", interno izdanje za projekat "Evaluacija IBA područja u FBiH", Sarajevo.

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. (In Bulgarian and English) Golemansky V. (ed.) 2011. Red Data Book of the Republic of Bulgaria. Digital edition, Vol. 2, Animals. BAS-MOEW, Sofia, <http://e-ecodbs.bas.bg/rdb/en/vol2/> BSPB database Shurulinkov P., G.Stoyanov, E.Komitov, G.Daskalova, A.Ralev (2012) Contribution to the knowledge on distribution,number and habitat preferences of rare and endangered birds in Western Rhodopes Mts.Southern Bulgaria. Strigiformes and Piciformes. Acta zoologica bulgarica., 64(1): 43-56

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. (In Bulgarian and English) Golemansky V. (ed.) 2011. Red Data Book of the Republic of Bulgaria. Digital edition, Vol. 2, Animals. BAS-MOEW, Sofia, <http://e-ecodbs.bas.bg/rdb/en/vol2/> BSPB database Shurulinkov P., G.Stoyanov, E.Komitov, G.Daskalova, A.Ralev (2012) Contribution to the knowledge on distribution,number and habitat preferences of rare and endangered birds in Western Rhodopes Mts.Southern Bulgaria. Strigiformes and Piciformes. Acta zoologica bulgarica., 64(1): 43-56

Breeding long-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. (In Bulgarian and English) BSPB database Narkinov D., S.Simeonov, T.Michev, B.Ivanov 1997 Fauna of Bulgaria vol.26, Aves, part 2.BAS ,Sofia.

Croatia

Breeding population size: Zavod za ornitologiju (Sanja Barišić, Davor Ćiković, Jelena Kralj, Goran Sušić,Vesna Tutić), 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. Kristjan Mandić, Krešimir Mikulić, Tibor Mikuska, Gvido Piasevoli, Andrej Radalj, Zlatko Ružanović, Vlatka Šćetarić, Mirko Šetina, Adrian Tomik (2013): Procjene brojnosti na SPA područja. Državni zavod za zaštitu prirode, Zagreb; Zavod za ornitologiju HAZU (2011): Istraživanje brojnosti i rasprostranjenosti zlatovrane (Coracias garrulus) na području Ravnih kotara – 1.godina. Izvješće za Državni zavod za zaštitu prirode, Zagreb; Zavod za ornitologiju HAZU (2012): Istraživanje brojnosti i rasprostranjenosti zlatovrane (Coracias garrulus) na području Ravnih kotara – 2.godina. Izvješće za Državni zavod za zaštitu prirode, Zagreb

Breeding short-term trend: BiE III Work group, Croatia

Breeding long-term trend: BiE III Work group, Croatia

Czech Republic

Breeding population size: STASTNY K., BEJCEK V. & HUDEC K. 2006: Atlas hnizdneho rozsireni ptaku v Ceske republice. Aventinum Praha.

Breeding short-term trend: Common Bird Monitoring

Breeding long-term trend: Common Bird Monitoring

Estonia

Breeding population size: Elts, J., Leito, A., Leivits, A., Luigjõe, L., Mägi, E., Nellis, Rein, Nellis, Renno, Ots, M., Pehlak, H. 2013. Status and numbers of Estonian birds, 2008–2012. Hirundo 26(2): 80-112. URL: http://www.eoy.ee/hirundo/file_download/149/Elts_et_al_2013_2.pdf

Breeding short-term trend: Elts, J., Leito, A., Leivits, A., Luigjõe, L., Mägi, E., Nellis, Rein, Nellis, Renno, Ots, M., Pehlak, H. 2013. Status and numbers of Estonian birds, 2008–2012. Hirundo 26(2): 80-112. URL: http://www.eoy.ee/hirundo/file_download/149/Elts_et_al_2013_2.pdf

Breeding long-term trend: Elts, J., Leito, A., Leivits, A., Luigjõe, L., Mägi, E., Nellis, Rein, Nellis, Renno, Ots, M., Pehlak, H. 2013. Status and numbers of Estonian birds, 2008–2012. Hirundo 26(2): 80-112. URL: http://www.eoy.ee/hirundo/file_download/149/Elts_et_al_2013_2.pdf

Finland

Breeding population size: Väisänen, Risto A., Harjo, Martti & Saurola, Pertti 2011: Population estimates of Finnish birds. In: Valkama, Jari, Vepsäläinen, Ville & Lehikoinen, Aleksi 2011: The Third Finnish Breeding Bird Atlas. – Finnish Museum of Natural History and Ministry of Environment. (cited [15.11.2013]) ISBN 978-952-10-7145-4.

Breeding short-term trend: BirdLife Finland 2013: Regional observation summary database of Finnish Birdwatching societies on scarce bird species.

Breeding long-term trend: BirdLife Finland 2013: Regional observation summary database of Finnish Birdwatching societies on scarce bird species.

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France

Breeding population size: <http://www.atlas-ornitho.fr/>

Breeding short-term trend: <http://vigenature.mnhn.fr/page/pic-cendre> Crouzier P. 2003 Pic cendré, CORA, p. 153 LPO Auvergne 2004 Atlas des oiseaux nicheurs de la région Auvergne (2000-2004) GOB 1997 Les oiseaux nicheurs de Bretagne 1980-1985, Groupe Ornithologique Breton, 290 p. COMOLET-TIRMAN, J. 2000 Note sur le déclin alarmant du Pic cendré *Picus canus* dans le massif de Fontainebleau, p. 169-173 COCA 1991 Les oiseaux de Champagne-Ardennes, Centre Ornithologique de Champagne-Ardenne, 291 p.

Breeding long-term trend: <http://vigenature.mnhn.fr/page/pic-cendre> Crouzier P. 2003 Pic cendré, CORA, p. 153 LPO Auvergne 2004 Atlas des oiseaux nicheurs de la région Auvergne (2000-2004) GOB 1997 Les oiseaux nicheurs de Bretagne 1980-1985, Groupe Ornithologique Breton, 290 p. COMOLET-TIRMAN, J. 2000 Note sur le déclin alarmant du Pic cendré *Picus canus* dans le massif de Fontainebleau, p. 169-173 COCA 1991 Les oiseaux de Champagne-Ardennes, Centre Ornithologique de Champagne-Ardenne, 291 p.

Germany

Breeding population size: Gedeon, K., C. Grüneberg, A. Mitschke & C. Sudfeldt (in Vorb.): *Atlas Deutscher Brutvogelarten*. SVD & DDA, Münster.

Breeding short-term trend: Dachverband Deutscher Avifaunisten e.V.

Breeding long-term trend: Monitoring häufiger Brutvögel

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).

Hungary

Breeding population size: National Park Directorates databases. Breeding bird (MME RTM) database. National common bird monitoring scheme (MMM) database.

Breeding short-term trend: National Park Directorates databases. Breeding bird (MME RTM) database.

Italy

Breeding population size: Brichetti P & Fracasso G. 2007. *Ornitologia italiana*. Vol.4 (Apodidae-Prunellidae). Alberto Perdisa Editore, Bologna

Breeding short-term trend: Gustin M, Brambilla M & Celada C. 2009. Valutazione dello stato di conservazione dell'avifauna italiana. Specie in Allegato I della Direttiva Uccelli. Ministero dell'Ambiente e della Tutela del Territorio e del Mare, Lega Italiana Protezione Uccelli (LIPU) Brichetti P & Fracasso G. 2007. *Ornitologia italiana*. Vol.4 (Apodidae-Prunellidae). Alberto Perdisa Editore, Bologna Peronace V, Cecere JG, Gustin M & Rondinini C. 2012. Lista Rossa 2011 degli Uccelli Nidificanti in Italia. Avocetta 36: 11-58

Breeding long-term trend: Tucker GM & Heath MF. 1994. Birds in Europe. Their conservation status. Cambridge, UK: BirdLife International. BirdLife Conservation Series No. 3 BirdLife International 2004. Birds in Europe: population estimates, trends and conservation status Cambridge, UK: BirdLife International. BirdLife Conservation Series No. 12 Gustin M, Brambilla M & Celada C. 2009. Valutazione dello stato di conservazione dell'avifauna italiana. Specie in Allegato I della Direttiva Uccelli. Ministero dell'Ambiente e della Tutela del Territorio e del Mare, Lega Italiana Protezione Uccelli (LIPU) Brichetti P & Fracasso G. 2007. *Ornitologia italiana*. Vol.4 (Apodidae-Prunellidae). Alberto Perdisa Editore, Bologna

Kosovo

Breeding population size: NGO "Finch" (2014)

Latvia

Breeding population size: Calculation based on data collected in Latvian Breeding bird monitoring scheme: Aunins A., Keišs O. 2012. [Monitoring for the Farmland Bird Population Index. Final report for the year 2012.]. Latvian Ornithological society, 47 pp

Breeding short-term trend: Aunins A. 2012. [Changes in the Abundance of Common Birds in Latvia during the Previous Seven Years]. Putni Dabā 2013/1, 10 - 13. Aunins A., Keišs O. 2012. [Monitoring for the Farmland Bird Population Index. Final report for the year 2012.]. Latvian Ornithological society, 47 pp.

Breeding long-term trend: Kerus V. 2011. Latvijas ligzdojoso putnu stavokla parmainas laika no 1980. līdz 2010. gadam. Promocijas darbs. Riga: Latvijas Universitate Strazds M., Priednieks J., Vaverins G. 1994. Latvijas putnu skaits. – Putni daba, 4: 3–18.

Liechtenstein

Breeding population size: Willi, G. (2014) Unpublished collection data

Breeding short-term trend: Willi, G. (2006) Die Vögel des Fürstentums Liechtenstein. Amtlicher Lehrmittelverlag, Vaduz (Naturkundliche Forschung im Fürstentum Liechtenstein, Bd. 22.

Breeding long-term trend: Willi, G. & M.F. Broggi (1985) Die Vogelwelt des Fürstentums Liechtenstein unter Berücksichtigung der benachbarten Gebiete; Teil II: Galliformes (Hühnervögel) – Piciformes (Spechtvögel). Ber. Bot.-Zool. Ges. Liechtenstein-Sargans-Werdenberg, Band 14, S. 103-143.; Willi, G. (2006) Die Vögel des Fürstentums Liechtenstein. Amtlicher Lehrmittelverlag, Vaduz (Naturkundliche Forschung im Fürstentum Liechtenstein, Bd. 22.

Lithuania

Breeding population size: Expert working group of the Lithuanian Ornithological Society (lod@birdlife.lt)

Breeding short-term trend: Expert working group of the Lithuanian Ornithological Society (lod@birdlife.lt) Jusys, V., Karalius, S., Raudonikis, L. 2012. Lietuvos paukščių pažinimo vadovas. Kaunas: „Lututė“, 288 p. Raudonikis L. 2004. Lithuania. In: Birds in Europe: population estimates, trends, and conservation status. BirdLife International, BirdLife Conservation Series No12, Cambridge, UK. Rašomavicius, V. (red.) 2007. Lietuvos raudonoji knyga. Kaunas: „Lututė“, 800 p. (Red Data Book of Lithuania, 2007)

Breeding long-term trend: 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). Kurlavičius, P. (ed.) 2006. Lietuvos perlinčių paukščių atlasas. Kaunas: „Lututė“, 256 p. Rašomavicius, V. (red.) 2007. Lietuvos raudonoji knyga. Kaunas: „Lututė“, 800 p. (Red Data Book of Lithuania, 2007)

Luxembourg

Breeding population size: LUXOR (2013): NATUR&EMWELT - BIRD-DATABASE, LUXEMBOURG Recorder (2013): database, Musée national d'histoire naturelle, Luxembourg Lorgé P., E. Melchior (2010): Die Vögel Luxemburgs. LNVL, Luxembourg. ISBN: 978-2-919920-01-3

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Luxembourg

Breeding short-term trend: LUXOR (2013): NATUR&EMWELT - BIRD-DATABASE, LUXEMBOURG Recorder (2013): database, Musée national d'histoire naturelle, Luxembourg Lorgé P., E. Melchior (2010): Die Vögel Luxemburgs. LNVL, Luxembourg. ISBN: 978-2-919920-01-3

Breeding long-term trend: LUXOR (2013): NATUR&EMWELT - BIRD-DATABASE, LUXEMBOURG Recorder (2013): database, Musée national d'histoire naturelle, Luxembourg Lorgé P., E. Melchior (2010): Die Vögel Luxemburgs. LNVL, Luxembourg. ISBN: 978-2-919920-01-3 Melchior E., E. Mentgen, R. Peltzer, R. Schmitt, J. Weiss (1987): Atlas der Brutvögel Luxemburgs. Lëtzebuerger Natur- a Vulleneschutzliga. Kremer-Muller & Cie, Foetz, Luxembourg

The Former Yugoslav Republic of Macedonia

Breeding population size: Velevski, M., B. Hallmann, B. Grubač, T. Lisičanec, E. Stoynov, E. Lisičanec, V. Avukatov, L. Božić, and B. Stumberger. 2010. Important Bird Areas in Macedonia: Sites of Global and European Importance. *Acrocephalus* 31:181–282.

Moldova

Breeding population size: The Atlas of the Breeding Birds of Republic of Moldova. 2010. 100p.

Breeding short-term trend: The Atlas of the Breeding Birds of Republic of Moldova. 2010. 100p.

Breeding long-term trend: Burfield I., Bommel van F., Birds in Europe. Population estimates, trends and conservation status. BirdLife International. Oxford, 2004. 374p. Zubcov, N., Birds of Moldova // The Birds of the Western Palearctic. Oxford University Press, Oxford. 1998, 1850 p. Glăvan Teodor. Ecologia piciformelor din teritoriul cuprins între Prut și Nistru. Editura Europlus. Galați. 2004. 242p.

Montenegro

Breeding population size: Puzovic, S., Simic, D., Saveljić, D., Gergelj, J., Tucakov, M., Stojnic, N., Hulo, I., Ham, I., Vizi, O., Sciban, M., Ruzic, M., Vukanovic, M., Jovanovic, T. (2004): Birds of Serbia and Montenegro – Size of nesting populations. I trends: 1990-2002. *Ciconia* 12, 36-120. Novi Sad

Norway

Breeding population size: Shimmings P. & Øien, I.J. 2015. Bestandsestimer og trender for norske hekkefugler. NOF-rapport 2015-2.

Poland

Breeding population size: Compilation of regional figures: KRAINA ŚWIĘTOKRZYSKA (Towarzystwo Badań i Ochrony Przyrody, R. Maniarski, M. Jantarski i inni), KUJAWY (P. Zieliński i inni), LUBELSKO-ŚWIĘTOKRZYSKA (Lubelskie Towarzystwo Ornithologiczne, M. Urban, P. Szewczyk, P. Stachyra), MAŁOPOLSKA (M. Ciach, R. Bobrek, T. Wilk), MAZOWSZE (Mazowiecko-Świętokrzyskie Towarzystwo Ornithologiczne: S. Chmielewski, A. Dombrowski, A. Goławska, H. Kot), PODLASIE (T. Tumiela, G. Grygoruk), POMORZE (Ł. Ławicki, A. Sikora), ŚLĄSK (P. Kołodziejczyk i inni), ŚLĄSK GÓRNY (J. Bettleja), WARMIA I MAZURY (D. Czałkiewicz, K. Jankowski, M. Szymkiewicz, A. Sikora), WIELKOPOLSKA (P. Wygęłała, L. Kuczyński), ZIEMIA LUBUSKA (P. Czechowski, S. Rubacha, P. Baranowski, M. Jankowski, R. Kruszyk, M. Leszczyński, M. Prange, J. Udolf), ZIEMIA ŁÓDZKA (T. Janiszewski, Z. Wojciechowski, P. Minias, R. Włodarczyk, B. Lesner, M. Wężyk),

Breeding short-term trend: MPPL: Chodkiewicz T., Woźniak B., Chylarecki P. 2012. Monitoring Pospolitych Gatunków Ptaków. In: Podsumowanie sezonu lęgowego Monitoringu Ptaków Polski w 2012 r. OTOP, MiZ, KOO, SOS: 29-45 (source: http://monitoringptakow.gios.gov.pl/raporty?file=files/pliki/raporty_faza4/RaportMPP4_etap1_zad2%264_wiosna2012.pdf)

Breeding long-term trend: Tucker G.M., Heath M.F. 1994. Birds in Europe: their conservation status. Cambridge, UK: BirdLife International;

Romania

Breeding population size: Romanian Commonbird Monitoring Programme, 2007-2012 SOR database, Milvus database

Breeding short-term trend: Romanian Commonbird Monitoring Programme, 2007-2012 SOR database, Milvus database

Breeding long-term trend: Romanian Commonbird Monitoring Programme, 2007-2012 SOR database, Milvus database

Russia

Breeding population size: Mischenko A.L. (ed.) 2004. Estimation of numbers and trends for birds of the European part of Russia («Birds in Europe-II»). Moscow, RBCU (in Russian). Ravkin E.S., Ravkin Yu.S. 2005. Birds of Northern Eurasian plains: numbers, distribution, spatial organization of communities. Novosibirsk, Nauka: 304 p. (in Russian). Numerov A.D. 1996. Class Birds Aves. – Natural resources of Voronezh Region. Vertebrate Animals. Cadaster. Voronezh, Biomik: 48-159 (in Russian). Sarychev V.S. (ed.) 2009. Vertebrates of Lipetsk Region. Voronezh: 494 p. (in Russian). Sarychev V.S., unpublished. vssar@yandex.ru Belik V.P., unpublished. vpbelik@mail.ru

Breeding short-term trend: Fridman V.S. 2008. Grey-headed Woodpecker. P. 96. In: Kachan A.S. (editor-chairman). Red Data Book of Moscow Region. Moscow (in Russian). Shepel A.I., unpublished. shai53@mail.ru

Breeding long-term trend: Fridman V.S. 2008. Grey-headed Woodpecker. P. 96. In: Kachan A.S. (editor-chairman). Red Data Book of Moscow Region. Moscow (in Russian). Shepel A.I., unpublished. shai53@mail.ru

Serbia

Breeding population size: BPSSS (2014) Unpublished data

Breeding short-term trend: BPSSS (2014) Unpublished data

Breeding long-term trend: BPSSS (2014) Unpublished data

Slovakia

Breeding population size: Krištín, A.

Breeding short-term trend: Danko Štefan, Darolová Alžbeta, Krištín Anton: Rozšírenie vtákov na Slovensku. VEDA, vyd. SAV Bratislava, 2002.

Breeding long-term trend: Danko Štefan, Darolová Alžbeta, Krištín Anton: Rozšírenie vtákov na Slovensku. VEDA, vyd. SAV Bratislava, 2002.

Slovenia

Breeding population size: Denac, K., T. Mihelič, L. Božič, P. Kmec, T. Jančar, J. Figelj & B. Rubinić (2011): Strokovni predlog za revizijo posebnih območij varstva (SPA) z uporabo najnovejših kriterijev za določitev mednarodno pomembnih območij za ptice (IBA). Končno poročilo (dopolnjena verzija). Naročnik: Ministrstvo za okolje in prostor. DOPPS – BirdLife, Ljubljana. Mihelič, T. (2013): Novi ornitološki atlas gnezdišč Slovenije 2002-2010. Internetna baza podatkov. Spletna stran: <http://www.ptce.si/atlas>. Društvo za opazovanje in proučevanje ptic Slovenije, DOPPS - BirdLife Slovenija. Ljubljana.

Picus canus (Grey-faced Woodpecker)

Slovenia

Breeding short-term trend: Mihelič, T. (2013): Novi ornitološki atlas gnezdk Slovencije 2002-2010. Internetna baza podatkov. Spletne strani: <http://www.ptice.si/atlas>. Društvo za opazovanje in proučevanje ptic Slovenije, DOPPS - BirdLife Slovenija. Ljubljana.

Breeding long-term trend: ihelič, T. (2013): Novi ornitološki atlas gnezdk Slovencije 2002-2010. Internetna baza podatkov. Spletne strani: <http://www.ptice.si/atlas>. Društvo za opazovanje in proučevanje ptic Slovenije, DOPPS - BirdLife Slovenija. Ljubljana.

Sweden

Breeding population size: Ottosson, U., Ottvall, R., Elmberg, J., Green, M., Gustafsson, R., Haas, F., Holmqvist, N., Lindström, Å., Nilsson, L., Svensson, M., Svensson, S. & Tjernberg, M. 2012. Fåglarna i Sverige - antal och förekomst. Sveriges Ornitolologiska Förening, Halmstad.

Breeding short-term trend: Swedish Bird Survey (Svensk Fågeltaxering), Lund University.

Breeding long-term trend: Swedish Bird Survey (Svensk Fågeltaxering), Lund University.

Switzerland

Breeding population size: Original estimate: Schmid, H., R. Luder, B. Naeff-Daenzer, R. Graf & N. Zbinden (1998): Schweizer Brutvogelatlas. Verbreitung der Brutvögel in der Schweiz und im Fürstentum Liechtenstein 1993-1996/Atlas des oiseaux nicheurs de Suisse. Distribution des oiseaux nicheurs en Suisse et au Liechtenstein en 1993-1996. Schweizerische Vogelwarte/Station ornithologique suisse, Sempach. Swiss Ornithological Institute: Updated based on population trend.

Breeding short-term trend: Swiss Ornithological Institute: <http://www.vogelwarte.ch/information-service-monitoring-rare-breeding-and-visiting-birds.html> Site-occupancy modelling based on „semi-standardised“ chance observations. Percentage change based on linear regression. Min Max refer to 95% Confidence interval.

Breeding long-term trend: Swiss Ornithological Institute: <http://www.vogelwarte.ch/information-service-monitoring-rare-breeding-and-visiting-birds.html>

Turkey

Breeding population size: Zeynel Arslangündogdu personal communication. Birdlife International (2004) Birds in Europe: population estimates, trends and conservation status, Cambridge UK: Birdlife International (Birdlife Conservation series no: 12) www.kusbanks.org

Breeding short-term trend: Doğa Derneği, Eken G., Bozdoğan M., İsfendiyaroğlu S., Kılıç D.T., Lise Y. (2006) Key Biodiversity Areas of Turkey (Türkiye'nin Önemli Doğa Alanları) Doğa Derneği, Ankara, KILIÇ, T., EKEN, G. 2004, Türkiye'nin Önemli Kuş Alanları Güncellemesi, Doğa Derneği. Ankara.

Breeding long-term trend: Birdlife International (2004) Birds in Europe: population estimates, trends and conservation status, Cambridge UK: Birdlife International (Birdlife Conservation series no: 12)

Ukraine

Breeding population size: 1. Tucker G.M., Heath M.F. Birds in Europe: their conservation status. - Cambridge. U.K. Bird Life Conservation Series №. 3. 1994. 600 p. 2. Hagemajer W.J.M., Blair M.J. The EBCC Atlas of European Breeding Birds: Their Distribution and Abundance. Poyser. - London. 1997. 903 p. 3. Heath M.F., Evans M.I. Important birds areas in Europe. Priority sites for conservation. // Southern Europe. BirdLife International. - Cambridge. Vol.2., 2000. P. 691-724.

Breeding short-term trend: 1. Tucker G.M., Heath M.F. Birds in Europe: their conservation status. - Cambridge. U.K. Bird Life Conservation Series №. 3. 1994. 600 p. 2. Hagemajer W.J.M., Blair M.J. The EBCC Atlas of European Breeding Birds: Their Distribution and Abundance. Poyser. - London. 1997. 903 p. 3. Birds in Europe: Population Estimates, Trends and Conservation Status. BirdLife Conservation Series 12; 2004. 374 p. 4. Горбань І. Оцінка чисельності гніздових птахів України. Вісник Львівського університету. Серія біологічна. Випуск 34. 2003. с. 147 – 158. 5. Бокотей А.А., Дзюбенко Н.В., Горбань І.М. та інші. Гніздова орнітофауна басейну Верхнього Дністра. – Львів: ЛНУ, 2010. – 400 с.

Breeding long-term trend: 1. Tucker G.M., Heath M.F. Birds in Europe: their conservation status. - Cambridge. U.K. Bird Life Conservation Series №. 3. 1994. 600 p. 2. Hagemajer W.J.M., Blair M.J. The EBCC Atlas of European Breeding Birds: Their Distribution and Abundance. Poyser. - London. 1997. 903 p. 3. Heath M.F., Evans M.I. Important birds areas in Europe. Priority sites for conservation. // Southern Europe. BirdLife International. - Cambridge. Vol.2., 2000. P. 691-724. 4. Горбань І. Оцінка чисельності гніздових птахів України. Вісник Львівського університету. Серія біологічна. Випуск 34. 2003. с. 147 – 158.

Bibliography

- Pasinelli, G. 2006. Population biology of European woodpecker species: a review. In *Annales Zoologici Fennici* (pp. 96-111). Finnish Zoological and Botanical Publishing Board.
- Tucker, G.M. and Heath, M.F. 1994. *Birds in Europe: their conservation status*. BirdLife Conservation Series no. 3, BirdLife International, Cambridge.
- Winkler, H. and Christie, D.A. 2015. Grey-faced Woodpecker (*Picus canus*). In: del Hoyo, J., Elliott, A., Sargatal, J., Christie, D.A. and de Juana, E. (eds.) 2015. *Handbook of the Birds of the World Alive*. Lynx Edicions, Barcelona. (retrieved from <http://www.hbw.com/node/56316> on 2 March 2015).