



THE IUCN RED LIST
OF THREATENED SPECIES™



Bucephala clangula (Common Goldeneye)

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).

Contents

Reported national population sizes and trends	p. 2
Trend maps of reported national population data	p. 5
Sources of reported national population data	p. 8
Species factsheet bibliography	p. 14

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.

Bucephala clangula (Common Goldeneye)

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	
Austria	10-15	<1	2008-2012	medium	0	0	2001-2012	medium	+	900-1400	1986-2012	poor	
Belarus	800-1,400	<1	2008-2012	medium	0	0	2000-2012	medium	0	0	1980-2012	medium	
Czech Rep.	100-120	<1	2001-2003	good	?				+	33-67	1985-2003	good	
Denmark	100	<1	2011	good	+	50-100	1999-2011	medium	+	10000-100000	1980-2011	medium	
Estonia	3,000-5,000	1	2008-2012	poor	+	20-50	2001-2012	poor	+	50-70	1980-2012	poor	
Finland	190,000-250,000	40	2006-2012	good	-	9-20	2001-2012	good	0	0	1986-2012	good	
Germany	3,300-4,400	1	2005-2009	good	+	41-100	1998-2009	medium	+	31-400	1985-2009	medium	
Hungary	0-1	<1	2000-2012	good	F	0	2000-2012	good	F	0	1980-2012	good	
Latvia	1,167-18,391	1	2010	poor	?				+	95-6030	1980-2010	poor	
Lithuania	2,000-3,000	<1	2008-2012	medium	+	30-100	2001-2012	medium	+	100-200	1980-2012	medium	
Netherlands	5-10	<1	2008-2011	medium	-	48-90	2002-2011	medium	+	400-900	1984-2011	medium	
Norway	20,000	4	2013	poor	?				?				
Poland	3,000-4,000	1	2008-2012	medium	?				+	330-340	1980-2012	medium	
Romania	20-40	<1	2008-2013	medium	?				?				
Russia	200,000-220,000	38	2000-2004	medium	+	5-15	2000-2012	poor	0	0	1980-2012	poor	
Sweden	65,000-96,000	15	2008-2012	medium	-	8-34	2001-2012	good	0	0	1980-2012	medium	
Ukraine	10-45	<1	2000	medium	+	10-20	2001-2012	medium	+	15-20	1980-2012	medium	
United Kingdom	200	<1	2006-2010	medium	+	66	1996-2008	good	+	350	1980-2008	good	
EU27	268,000-381,000	58		Decreasing									
Europe	489,000-623,000	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.

Bucephala clangula (Common Goldeneye)

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

Country (or territory) ²	Population estimate				Short-term population trend ⁴				Long-term population trend ⁴				Subspecific population (where relevant)
	Size (individuals) ³	Europe (%)	Year(s)	Quality	Direction ⁵	Magnitude (%) ⁶	Year(s)	Quality	Direction ⁵	Magnitude (%) ⁶	Year(s)	Quality	
Albania	5-195	<1	2002-2012	good	-	30-50	2002-2012	good	-	50-75	1980-2012	medium	
Austria	2,500-3,100	1	2008-2010	good	0	0	2001-2012	good	+		1986-2012	medium	
Azerbaijan	20-300	<1	1996-2002	medium	?				?				
Belarus	500-1,000	<1	2009-2013	good	0	0	2001-2012	medium	+	67-233	1980-2012	medium	
Belgium	366-426	<1	2008-2012	good	-	1-2	2001-2012	good	+	1-2	1992-2012	good	
Bosnia & HG	100-400	<1	2008-2013	medium	F	30-40	2000-2013	medium	?				
Bulgaria	30-620	<1	1997-2012	good	0	0-5	2000-2012	good	F	10-70	1980-2012	good	
Croatia	2,000-2,500	1	2011	medium	?				?				
Czech Rep.	691	<1	2011	medium	F	0	2000-2011	medium	+	26	1980-2011	medium	
Denmark	65,000	15	2008	good	0	0	2000-2011	good	+	50-100	1980-2011	good	
DK: Faroe Is	0-10	<1	1992	medium	?				?				
Estonia	20,000-40,000	7	2008-2012	medium	+	20-50	2001-2012	medium	+	20-50	1980-2012	medium	
Finland	5,000-23,000	3	2007-2012	medium	+	341-619	2001-2012	good	+	3806-7221	1983-2012	good	
France	2,148	1	2008-2012	good	F	0	2000-2012	good	F	0	1980-2012	good	
Georgia	Present	<1	2012		?				?				
Germany	65,000	15	2000-2005	good	F	0	1997-2009	good	F	0	1984-2009	good	
Greece	218-895	<1	2007-2013	good	0	0	2004-2013	medium	+	56	1982-2013	medium	
Hungary	12,000-18,000	3	2008-2012	medium	F	0	2000-2012	medium	0	0	1996-2012	good	
Iceland	Present	<1	2012		?				?				
Rep. Ireland	1,940	<1	2006-2011	good	-	27	1999-2011	good	-	40	1987-2011	medium	
Italy	1,117-1,784	<1	2007-2009	good	F	0-50	2000-2009	good	-	35-60	1991-2009	good	
Latvia	1,300-9,000	1	2001-2012	medium	+	30-50	2001-2012	medium	+	30-50	1984-2012	medium	
Lithuania	5,100-8,700	2	2010-2012	good	0	0	2000-2012	medium	?				
Luxembourg	4-30	<1	2008-2012	good	+	0-50	2000-2012	medium	+	100-200	1980-2012	medium	
FYRO Macedonia	10-150	<1	2001-2012	good	0	0	2002-2012	good	-	90-99	1980-2012	medium	
Moldova	130-700	<1	2000-2010	medium	+	5-15	2000-2010	medium	+	10-20	1980-2010	medium	
Montenegro	800-3,000	<1	2003-2012	good	F	0	2003-2012	good	F	0	1991-2012	good	
Netherlands	8,301-13,395	3	2006-2010	good	-	14-50	2000-2011	good	0	0	1981-2011	good	
Norway	31,000	7	1994-2003	medium	?				?				
Poland	20,000-35,000	6	2006-2012	medium	?				F	0	1985-2012	medium	
Romania	8,000-12,000	2	2008-2013	medium	+	1-5	2000-2013	medium	?				

Bucephala clangula (Common Goldeneye)

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

Country (or territory) ²	Population estimate				Short-term population trend ⁴				Long-term population trend ⁴				Subspecific population (where relevant)
	Size (individuals) ³	Europe (%)	Year(s)	Quality	Direction ⁵	Magnitude (%) ⁶	Year(s)	Quality	Direction ⁵	Magnitude (%) ⁶	Year(s)	Quality	
Russia	5,000-16,000	2	2007-2010	medium	F	0	2002-2012	medium	?				
Serbia	2,000-4,000	1	2008-2012	medium	-	20-30	2000-2012	medium	?				
Slovakia	8,000-12,000	2	2000-2012	good	+	50-100	2000-2012	good	+	200-800	1980-2012	good	
Slovenia	860-1,500	<1	2008-2012	medium	0	0	2001-2012	good	-	40-60	1980-2012	medium	
Sweden	68,000-84,000	17	2008-2012	good	0	0	2001-2012	good	+	80-120	1980-2012	good	
Switzerland	3,288-4,851	1	2008-2012	good	-	56-61	2001-2012	good	-	40-41	1980-2012	good	
Turkey	27-508	<1	2002-2012	good	?				?				
Ukraine	8,000-15,000	3	1998-2009	medium	F	10-30	1998-2009	medium	F	15-20	1980-2009	medium	
United Kingdom	27,000	6	2004-2008	medium	-	39	1999-2010	good	0	4	1980-2010	good	
EU27	323,000-425,000	85			Stable								
Europe	375,000-505,000	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

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.

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

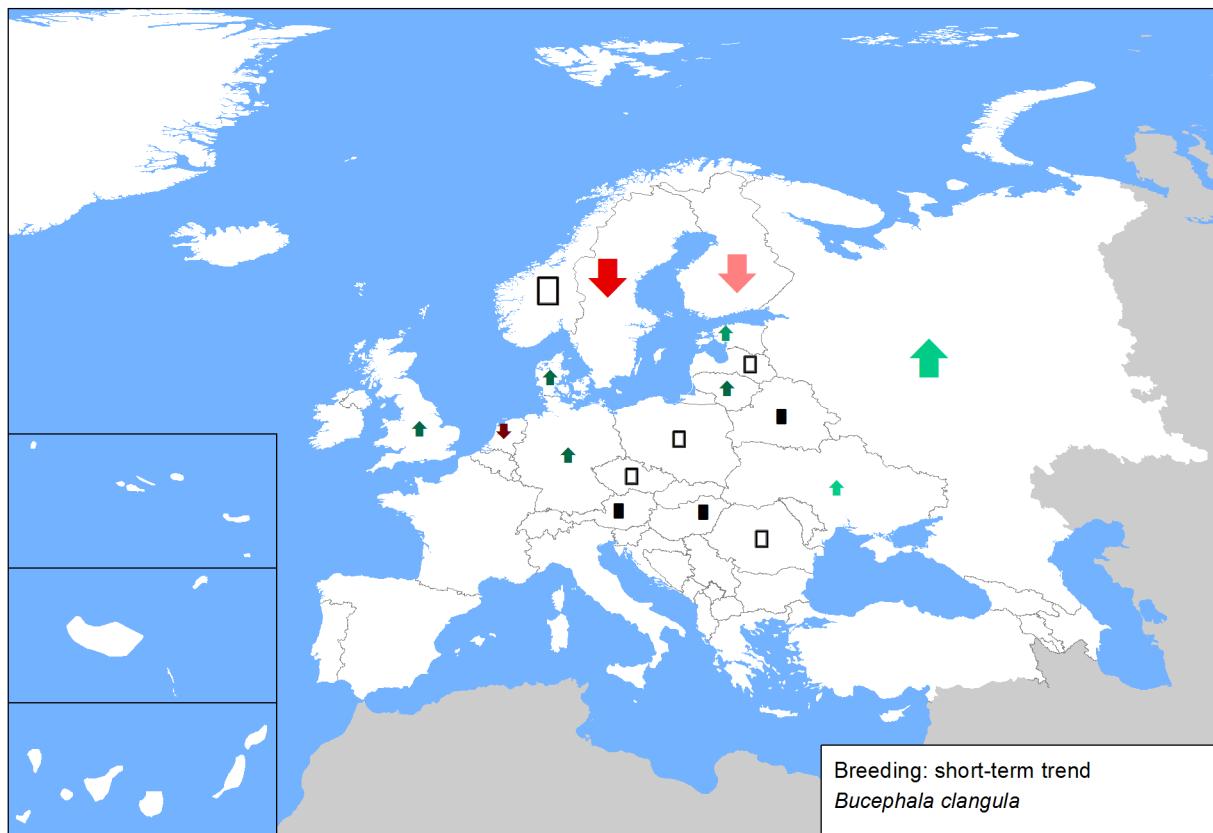


Figure 2. Breeding population sizes and long-term trends across Europe.

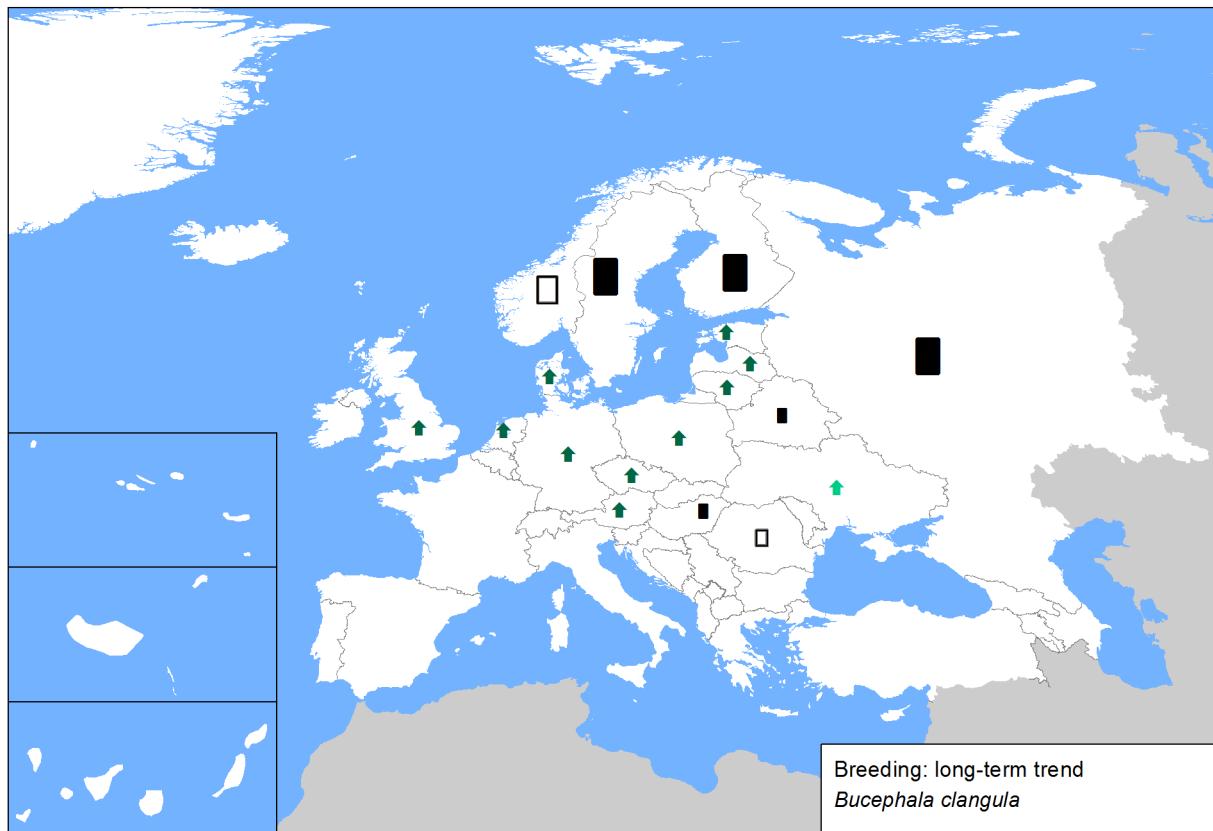


Figure 3. Reported wintering population sizes and short-term trends across Europe. Note that some countries within the species' wintering range did not report any data.

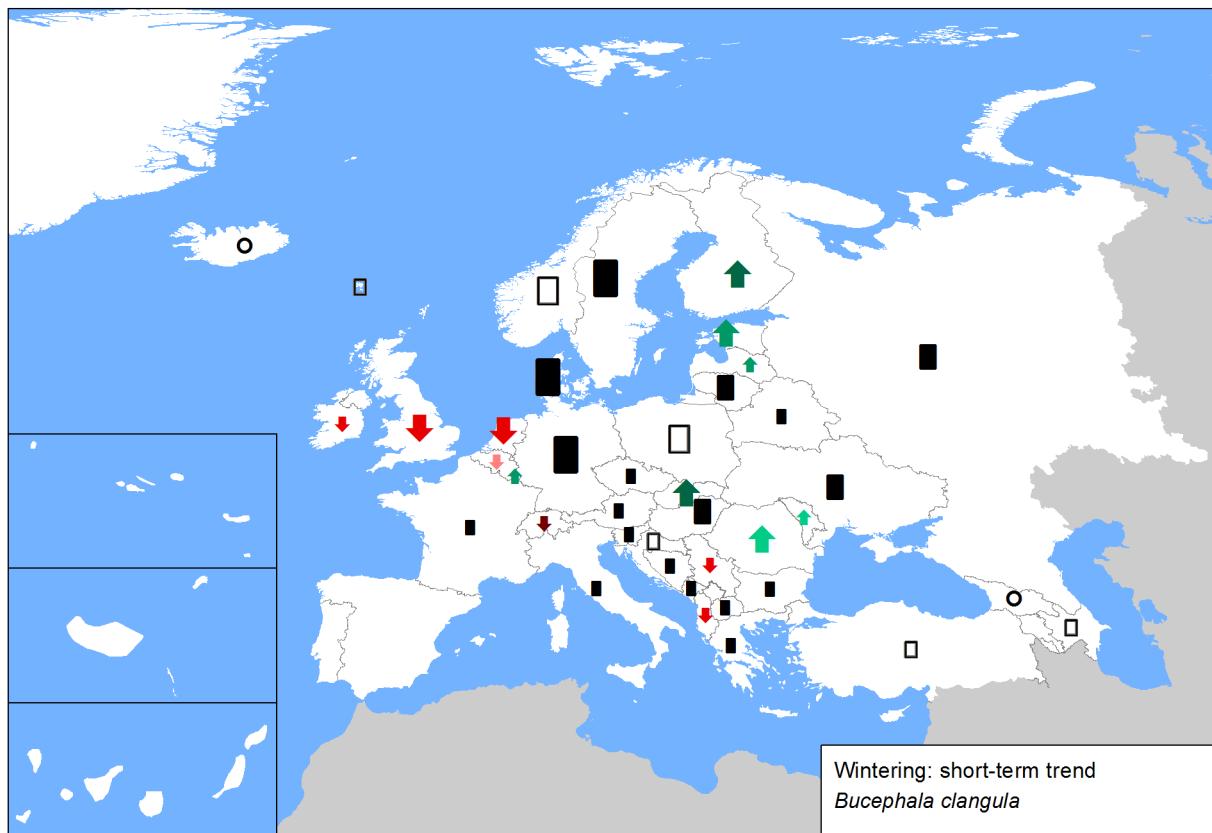
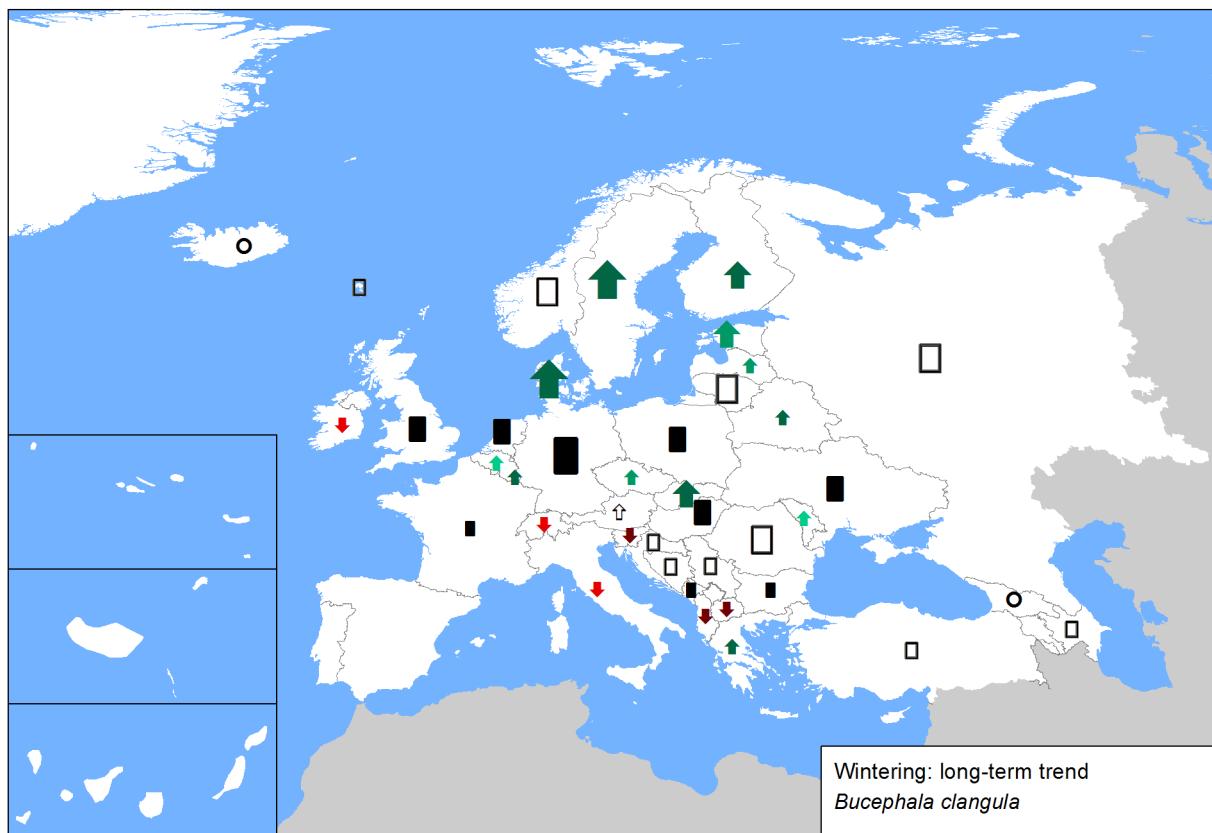


Figure 4. Reported wintering population sizes and long-term trends across Europe. Note that some countries within the species' wintering range did not report any data.



Bucephala clangula (Common Goldeneye)

Sources

Albania

Winter population size: Bino pers. obs.

Winter short-term trend: Bino pers. obs.

Winter long-term trend: Bino pers. obs.

Austria

Breeding population size: BirdLife Austria, unpublished data; Weißmair et al. 2011

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

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

Winter population size: BirdLife Austria, unpublished IWC data

Winter short-term trend: BirdLife Austria, unpublished IWC data

Winter long-term trend: New breeding bird since 1986

Azerbaijan

Winter population size: BirdLife International 2004

Belarus

Breeding population size: Kozulin A.V. - personal communication

Breeding short-term trend: Kozulin A.V. - personal communication

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.

Winter population size: Bogdanovich I.A. - personal communication

Winter short-term trend: Bogdanovich I.A. - personal communication

Winter long-term trend: Bogdanovich I.A. - personal communication Nikiforov M.E., Kozulin A.V., eds. Belarussian birds at the beginning of XXI century: status, numbers, distribution. - 1997. - Minsk. - 187 p.

Belgium

Winter population size: waterbird database INBO + Aves

Winter short-term trend: waterbird database INBO and Aves

Winter long-term trend: waterbird database INBO and Aves

Bosnia and Herzegovina

Winter population size: Kotrošan, D., Dervović, I., 2010: Rezultati zimskog brojanja ptica močvarica u Bosni i Hercegovini za period od 2008. do 2010. godine. Bilten Mreže posmatrača ptica u Bosni i Hercegovini, 6(6): 23-45., Dervović, I. & Kotrošan, D., 2011/2012: Rezultati zimskog brojana ptica močvarica u Bosni i Hercegovini u 2011. godini. Bilten Mreže posmatrača ptica u Bosni i Hercegovini, 7-8(7-8): 44-55., Topić, G. & Kotrošan, D., 2011/2012: Rezultati Međunarodnog cenzusa ptica vodenih staništa u Bosni i Hercegovini 2012. godine. Bilten Mreže posmatrača ptica u Bosni i Hercegovini, 7-8(7-8): 56-73., Topić, G., 2013: Rezultati Međunarodnog cenzusa ptica vodenih staništa u Bosni i Hercegovini 2013. godine. Bilten Mreže posmatrača ptica u Bosni i Hercegovini, 7-8(7-8): 14-40.

Winter short-term trend: Dervović, I. 2005: Rezultati januarskog brojanja vodenih ptica 1998-2005. Bilten Mreže posmatrača ptica u Bosni i Hercegovini, 1(1): 43-45. Dervović, I. 2006: Rezultati zimskog prebrojavanja ptica močvarica u Bosni i Hercegovini u 2006. godini. Bilten Mreže posmatrača ptica u Bosni i Hercegovini, 2(2): 20-22. Dervović, I. 2007: Izvještaj o januarskom prebrojavanju vodenih ptica u 2007. godini. Bilten Mreže posmatrača ptica u Bosni i Hercegovini, 3(3): 47. Kotrošan, D., Dervović, I., 2010: Rezultati zimskog brojanja ptica močvarica u Bosni i Hercegovini za period od 2008. do 2010. godine. Bilten Mreže posmatrača ptica u Bosni i Hercegovini, 6(6): 23-45., Dervović, I. & Kotrošan, D., 2011/2012: Rezultati zimskog brojana ptica močvarica u Bosni i Hercegovini u 2011. godini. Bilten Mreže posmatrača ptica u Bosni i Hercegovini, 7-8(7-8): 44-55., Topić, G. & Kotrošan, D., 2011/2012: Rezultati Međunarodnog cenzusa ptica vodenih staništa u Bosni i Hercegovini 2012. godine. Bilten Mreže posmatrača ptica u Bosni i Hercegovini, 7-8(7-8): 56-73., Topić, G., 2013: Rezultati Međunarodnog cenzusa ptica vodenih staništa u Bosni i Hercegovini 2013. godine. Bilten Mreže posmatrača ptica u Bosni i Hercegovini, 7-8(7-8): 14-40.

Bulgaria

Winter population size: BSPB GIS related ornithological database

Winter short-term trend: BSPB GIS related ornithological database

Winter long-term trend: BSPB GIS related ornithological database

Croatia

Winter population size: Report on the implementation of AEWA for the period 2009-2011 - Croatia. <http://www.unep-aewa.org/en/document/national-report-croatia-2>

Winter short-term trend: Report on the implementation of AEWA for the period 2009-2011 - Croatia. <http://www.unep-aewa.org/en/document/national-report-croatia-2>

Winter long-term trend: Report on the implementation of AEWA for the period 2009-2011 - Croatia. <http://www.unep-aewa.org/en/document/national-report-croatia-2>

Czech Republic

Breeding population size: STASTNY K., BEJCEK V. & HUDEC K. 2006: Atlas hnizdního rozšírení ptaku v České republice. Aventinum Praha.

Breeding long-term trend: STASTNY K., BEJCEK V. & HUDEC K. 2006: Atlas hnizdního rozšírení ptaku v České republice. Aventinum Praha.

Winter population size: MUSIL P.& MUSILOVA Z. 2011: Aythya 4, Univerzita Karlova v Praze, Praha.

Winter short-term trend: MUSIL P.& MUSILOVA Z. 2011: Aythya 4, Univerzita Karlova v Praze, Praha.

Bucephala clangula (Common Goldeneye)

Czech Republic

Winter long-term trend: MUSIL P. & MUSILOVA Z. 2011: Aythya 4, Univerzita Karlova v Praze, Praha.

Denmark

Breeding population size: Nyegaard et al. (2014): Truede og sjældne ynglefugle i Danmark 1998-2012 - With a summary in English: Rare and threatened breeding birds in Denmark 1998-2012. DOFT 108(1). In prep.

Breeding short-term trend: Nyegaard et al. (2014): Truede og sjældne ynglefugle i Danmark 1998-2012 - With a summary in English: Rare and threatened breeding birds in Denmark 1998-2012. DOFT 108(1). In prep. Nyegaard, T. (2012): Truede og sjældne ynglefugle i Danmark 2011. Trykt hos Svendborg Tryk Eskildsen, A. & T. Vikstrøm. (2010): Truede og sjældne ynglefugle i Danmark 2010. Dansk Ornitoligisk Forening. Nyegaard, T. & M.B. Grell (2009): Truede og sjældne ynglefugle i Danmark 2008. Dansk Ornitoligisk Forening. Nyegaard, T. & M.B. Grell (2008): Truede og sjældne ynglefugle i Danmark 2007. Dansk Ornitoligisk Forening. Nyegaard, T. & M.B. Grell (2007): Truede og sjældne ynglefugle i Danmark 2006. Dansk Ornitoligisk Forening. Nyegaard, T. & M.B. Grell (2006): Truede og sjældne ynglefugle i Danmark 2005. DOFT 100: 11-28. Nyegaard, T. & M.B. Grell (2005): Truede og sjældne ynglefugle i Danmark 2004. DOFT 99: 88-106. Grell, M.B., Heldbjerg, H., Rasmussen, B., Stabell, M., Toft, J. & T. Vikstrøm (2004): Truede og sjældne ynglefugle i Danmark 1998-2003. Midtvejsrapport fra Dansk Ornitoligisk Forenings Arbejdsgruppe for Truede og Sjældne Ynglefugle (DATSY). DOFT 98: 45-100.

Breeding long-term trend: Nyegaard et al. (2014): Truede og sjældne ynglefugle i Danmark 1998-2012 - With a summary in English: Rare and threatened breeding birds in Denmark 1998-2012. DOFT 108(1). In prep. Nyegaard, T. (2012): Truede og sjældne ynglefugle i Danmark 2011. Trykt hos Svendborg Tryk Eskildsen, A. & T. Vikstrøm. (2010): Truede og sjældne ynglefugle i Danmark 2010. Dansk Ornitoligisk Forening. Nyegaard, T. & M.B. Grell (2009): Truede og sjældne ynglefugle i Danmark 2008. Dansk Ornitoligisk Forening. Nyegaard, T. & M.B. Grell (2008): Truede og sjældne ynglefugle i Danmark 2007. Dansk Ornitoligisk Forening. Nyegaard, T. & M.B. Grell (2007): Truede og sjældne ynglefugle i Danmark 2006. Dansk Ornitoligisk Forening. Nyegaard, T. & M.B. Grell (2006): Truede og sjældne ynglefugle i Danmark 2005. DOFT 100: 11-28. Nyegaard, T. & M.B. Grell (2005): Truede og sjældne ynglefugle i Danmark 2004. DOFT 99: 88-106. Grell, M.B., Heldbjerg, H., Rasmussen, B., Stabell, M., Toft, J. & T. Vikstrøm (2004): Truede og sjældne ynglefugle i Danmark 1998-2003. Midtvejsrapport fra Dansk Ornitoligisk Forenings Arbejdsgruppe for Truede og Sjældne Ynglefugle (DATSY). DOFT 98: 45-100. Grell, Michael Borch (1998): Fuglenes Danmark. Gads forlag i samarbejde med Dansk Ornitoligisk Forening. Sørensen, Uffe Gjel (1995): Rare and endangered breeding birds in Denmark, 1976-1991. DOFT 89: 1-48.

Winter population size: Pihl, S., Clausen, P., Petersen, I.K., Nielsen, R.D., Laursen, K., Bregnalle, T., Holm, T.E. & Søgaard, B. (2013): Fugle 2004-2011. NOVANA. Aarhus Universitet, DCE - Nationalt Center for Miljø og Energi. - Videnskabelig rapport fra DCE nr. 49. 188 s.

Winter short-term trend: Pihl, S., Clausen, P., Petersen, I.K., Nielsen, R.D., Laursen, K., Bregnalle, T., Holm, T.E. & Søgaard, B. (2013): Fugle 2004-2011. NOVANA. Aarhus Universitet, DCE - Nationalt Center for Miljø og Energi. - Videnskabelig rapport fra DCE nr. 49. 188 s.

Winter long-term trend: Pihl, S., Clausen, P., Petersen, I.K., Nielsen, R.D., Laursen, K., Bregnalle, T., Holm, T.E. & Søgaard, B. (2013): Fugle 2004-2011. NOVANA. Aarhus Universitet, DCE - Nationalt Center for Miljø og Energi. - Videnskabelig rapport fra DCE nr. 49. 188 s.

DK: Faroe Is

Winter population size: BirdLife International 2004

Estonia

Breeding population size: Elts, J., Leito, A., Leivits, A., Luigujõe, 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., Luigujõe, 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., Luigujõe, 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

Winter population size: Elts, J., Leito, A., Leivits, A., Luigujõe, 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

Winter short-term trend: Elts, J., Leito, A., Leivits, A., Luigujõe, 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

Winter long-term trend: Elts, J., Leito, A., Leivits, A., Luigujõe, 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: Pöysä, H., Rintala, J., Lehikoinen, A., & Väistönen, R. A. (2013). The importance of hunting pressure, habitat preference and life history for population trends of breeding waterbirds in Finland. Eur J Wild Res 59:245-256. Doi:10.1007/s10344-012-0673-8

Breeding short-term trend: Pöysä, H., Rintala, J., Lehikoinen, A., & Väistönen, R. A. (2013). The importance of hunting pressure, habitat preference and life history for population trends of breeding waterbirds in Finland. Eur J Wild Res 59:245-256. Doi:10.1007/s10344-012-0673-8 http://www.rkti.fi/riista/riistavarat/vesilinnut_vuonna.html

Breeding long-term trend: Pöysä, H., Rintala, J., Lehikoinen, A., & Väistönen, R. A. (2013). The importance of hunting pressure, habitat preference and life history for population trends of breeding waterbirds in Finland. Eur J Wild Res 59:245-256. Doi:10.1007/s10344-012-0673-8 Lehikoinen, A., Pöysä, H., Rintala, J. & Väistönen, R.A. 2013: Population changes of 20 waterbird species in Finnish lakes in 1986–2012. – Linnut-vuosikirja 2012: 95–101. (in Finnish with English summary)

Winter population size: BirdLife Finland 2013: Regional observation summary database of Finnish Birdwatching societies on wintering bird species.

Winter short-term trend: Winter bird censuses of the Finnish Museum of Natural History, University of Helsinki.

Winter long-term trend: Winter bird censuses of the Finnish Museum of Natural History, University of Helsinki.

France

Winter population size: LPO - Wetlands International 2012 Base de données des dénombrements d'oiseaux d'eau « Wetlands International » 1980-2012 réalisés à la mi-janvier, LPO - BirdLife France, Rochefort

Winter short-term trend: LPO - Wetlands International 2012 Base de données des dénombrements d'oiseaux d'eau « Wetlands International » 1980-2012 réalisés à la mi-janvier, LPO - BirdLife France, Rochefort

Winter long-term trend: LPO - Wetlands International 2012 Base de données des dénombrements d'oiseaux d'eau « Wetlands International » 1980-2012 réalisés à la mi-janvier, LPO - BirdLife France, Rochefort

Bucephala clangula (Common Goldeneye)

Georgia

Winter population size: BirdLife International 2004

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: Dachverband Deutscher Avifaunisten e.V.

Winter population size: Wahl, J., J. Bellebaum, J. Blew, S. Garthe, K. Günther & T. Heinicke (in Vorb.): *Rastende Wasservögel in Deutschland 2000-2005: Bestandsschätzungen und Schwellenwerte für Rastgebiete nationaler Bedeutung*. Vogelwelt.

Winter short-term trend: Monitoring rastender Wasservögel

Winter long-term trend: Monitoring rastender Wasservögel

Greece

Winter population size: Midwinter Counts Database, Hellenic Ornithological Society

Winter short-term trend: Midwinter Counts Database, Hellenic Ornithological Society

Winter long-term trend: Midwinter Counts Database, Hellenic Ornithological Society

Hungary

Breeding population size: MME Nomenclator Bizottság (2008): Magyarország madarainak névjegyzéke. Nomenclator avium Hungariae. Magyar Madártani és Természetvédelmi Egyesület, Budapest. p. 278. Annual reports of the Hungarian Checklist and Rarities Committee. Barabás, L. (2013): Breeding distribution of Hungarian Duck species. Hungarian Waterfowl Publications 23: 79-120.

Breeding short-term trend: MME Nomenclator Bizottság (2008): Magyarország madarainak névjegyzéke. Nomenclator avium Hungariae. Magyar Madártani és Természetvédelmi Egyesület, Budapest. p. 278. Annual reports of the Hungarian Checklist and Rarities Committee. Barabás, L. (2013): Breeding distribution of Hungarian Duck species. Hungarian Waterfowl Publications 23: 79-120.

Breeding long-term trend: MME Nomenclator Bizottság (2008): Magyarország madarainak névjegyzéke. Nomenclator avium Hungariae. Magyar Madártani és Természetvédelmi Egyesület, Budapest. p. 278. Annual reports of the Hungarian Checklist and Rarities Committee. Barabás, L. (2013): Breeding distribution of Hungarian Duck species. Hungarian Waterfowl Publications 23: 79-120.

Winter population size: National Park Directorates databases. Faragó, S. (2012): Results of Hungarian Waterfowl Monitoring in the season 2011/2012. Hungarian Waterfowl Publications 22: 62-284.

Winter short-term trend: National Park Directorates& databases. Faragó, S. (2012): Results of Hungarian Waterfowl Monitoring in the season 2011/2012. Hungarian Waterfowl Publications 22: 62-284.

Winter long-term trend: Faragó, S. (2012): Results of Hungarian Waterfowl Monitoring in the season 2011/2012. Hungarian Waterfowl Publications 22: 62-284. National Park Directorates& databases.

Iceland

Republic of Ireland

Winter population size: Crowe, O. & Holt, C. (2013) Estimates of waterbird numbers wintering in Ireland, 2006/07 – 2010/11. *Irish Birds* 9:4.

Winter short-term trend: Crowe, O. (2013) Calculations of short- and long-term trends of wintering waterbirds for Article 12 reporting. Unpublished note. Crowe, O. & Holt, C. (2013) Estimates of waterbird numbers wintering in Ireland, 2006/07 – 2010/11. *Irish Birds* 9:4.

Winter long-term trend: Crowe, O. (2013) Calculations of short- and long-term trends of wintering waterbirds for Article 12 reporting. Unpublished note. Crowe, O. & Holt, C. (2013) Estimates of waterbird numbers wintering in Ireland, 2006/07 – 2010/11. *Irish Birds* 9:4. Sheppard, R. (1993) *Ireland's Wetland Wealth*. Irish Wildbird Conservancy.

Italy

Winter population size: IWC ISPRA

Winter short-term trend: IWC ISPRA

Winter long-term trend: IWC ISPRA Baccetti N, Dall'Antonia P, Magagnoli P, Melega L, Serra L, Soldatini C & Zenatello M. 2002. Risultati dei censimenti degli uccelli acquatici svernanti in Italia: distribuzione, stima e trend delle popolazioni nel 1991-2000. *Biol. Cons. Fauna* 111: 1-240

Latvia

Breeding population size: Kerus V. 2011. Latvijas ligzdojoso putnu stavokla parmainas laika no 1980. līdz 2010. gadam. Promocijas darbs. Riga: Latvijas Universitate

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.

Winter population size: WI IWC

Winter short-term trend: WI IWC

Winter long-term trend: WI IWC

Lithuania

Breeding population size: 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.

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. Kurlavičius, P. (ed.) 2006. *Lietuvos perinčių paukščių atlasis*. Kaunas: „Lututė“, 256 p. Raudonikis L. 2004. *Lithuania*. In: *Birds in Europe: population estimates, trends, and conservation status*. BirdLife International, BirdLife Conservation Series No12, Cambridge, UK.

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 perinčių paukščių atlasis*. Kaunas: „Lututė“, 256 p.

Bucephala clangula (Common Goldeneye)

Lithuania

Winter population size: L. Šniaukšta & E. Pakštytė. 2013. Results of the midwinter waterfowl counts in Lithuania, 2013. Paukščiai 1(17). Pages 23-29 (In Lithuanian with english summary. Direct link: http://www.birdlife.lt/c/document_library/get_file?uuid=ebaafc06-5983-4331-a691-77b0c1e72553&groupId=10136)

Winter short-term trend: Laimonas Šniaukšta (lsniauksta@gmail.com)

Luxembourg

Winter population size: LUXOR (2013): NATUR&EMWELT - BIRD-DATABASE, LUXEMBOURG Recorder (2013): database, Musée national d'histoire naturelle, Luxembourg Biver, G. (2013): Waterbird count - recensement hivernal des oiseaux d'eau 2009-2012. Regulus Wissenschaftliche Berichte, 28: 43-58. Lorgé P., E. Melchior (2010): Die Vögel Luxemburgs. LNVL, Luxembourg. ISBN: 978-2-919920-01-3

Winter short-term trend: LUXOR (2013): NATUR&EMWELT - BIRD-DATABASE, LUXEMBOURG Recorder (2013): database, Musée national d'histoire naturelle, Luxembourg Biver, G. (2013): Waterbird count - recensement hivernal des oiseaux d'eau 2009-2012. Regulus Wissenschaftliche Berichte, 28: 43-58. Lorgé P., E. Melchior (2010): Die Vögel Luxemburgs. LNVL, Luxembourg. ISBN: 978-2-919920-01-3

Winter 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

The Former Yugoslav Republic of Macedonia

Winter population size: Wetlands International database and unpublished data of the Macedonian Ecological Society

Winter short-term trend: Wetlands International database and unpublished data of the Macedonian Ecological Society

Winter long-term trend: Wetlands International database and unpublished data of the Macedonian Ecological Society

Moldova

Winter population size: Winter assessment of water birds in Moldova Мантров О., Визир И., Особенности зимовки и весеннего пролета водоплавающих и околоводных птиц на среднем Днестре в период 2006-2007 годов. Diversitatea, valorificarea ratională și protecția lumii animale. 2009: 66-68

Winter short-term trend: Мантров О., Визир И., Особенности зимовки и весеннего пролета водоплавающих и околоводных птиц на среднем Днестре в период 2006-2007 годов. Diversitatea, valorificarea ratională și protecția lumii animale. 2009: 66-68 Winter assessment of water birds in Moldova

Winter long-term trend: Мантров О., Визир И., Особенности зимовки и весеннего пролета водоплавающих и околоводных птиц на среднем Днестре в период 2006-2007 годов. Diversitatea, valorificarea ratională și protecția lumii animale. 2009: 66-68 Winter assessment of water birds in Moldova

Montenegro

Winter population size: IWC reports (2003-2012): Dubak, Vešović, N., Jovičević, M., Vizi O., Vizi,A.

Winter short-term trend: 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,

Winter long-term trend: 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,

Netherlands

Breeding population size: NEM, Sovon en CBS (Boele et al. 2011-2013, van Dijk et al 2010)

Breeding short-term trend: NEM, Sovon en CBS, Boele et al. (2013)

Breeding long-term trend: NEM, Sovon en CBS (Boele et al. 2011-2013, van Dijk et al. (2010), Sovon (1987)

Winter population size: Hornman et al 2012

Winter short-term trend: NEM (Sovon, RWS, CBS), Hornman et al 2013

Winter long-term trend: NEM (Sovon, RWS, CBS), Hornman et al 2013

Norway

Breeding population size: County bird recording committees (LRSK)

Winter population size: Svorkmo-Lundberg, T., Bakken, V., Helberg, M., Mørk, K., Røer, J.E. & Sæbø, S. 2006. Norsk VinterfuglAtlas. Fuglenes utbredelse, bestandsstørrelse og økologi vinterstid. Norsk Ornitoligisk Forening, Trondheim. 496 pp.

Poland

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

Breeding long-term trend: Tomiałoń J. & Stawarczyk T. 2003. Awifauna Polski: rozmieszczenie, liczliwość i zmiany. PTPP "pro Natura", Wrocław

Winter population size: MZPW: Meissner W., Chodkiewicz T., Bzoma Sz., Brewka B., Woźniak B. 2012. Monitoring ptaków zimujących. Sprawozdanie dla GIOŚ. OTOP (source: http://monitoringptakow.gios.gov.pl/raporty?file=files/pliki/raporty_faza3/RaportMPP3_etap8_zad2%264_zima2012.pdf), Meissner W., Rydzkowski P. 2007. Zimowanie ptaków wodnych na Zatoce Gdańskiej w sezonie 2005/2006. Not. Orn. 48: 143-147;

Winter long-term trend: Zyska P., Dombrowski A., Kot H., Rzepała M. 1990. Akcja zimowego liczenia ptaków wodnych 1985-1987. Not. Orn. 31: 113-131; Dombrowski A., Kot H., Zyska P. 1993. Liczebność ptaków wodnych zimujących w Polsce w latach 1988-1990. Not. Orn. 34: 5-21.

Romania

Breeding population size: SOR database Executant INCDD Tulcea //Proiect de cercetare în vederea îndeplinirii obligațiilor ce revin țării noastre în ceea ce privește aplicarea reglementărilor comunitare privind rețea ecologică natura 2000.//**Finanțator: Ministerul Mediului și Pădurilor **2009-2011 /Inventarierea speciilor de floră și faună de pe teritoriul României în conformitate cu prevederile Legii nr. 462/2001 - Anexa 3 și 4/(studiu M25/MMGA/2005) *Finanțator*: Ministerul Mediului și Gospodăririi Apelor 2005

Bucephala clangula (Common Goldeneye)

Romania

Breeding short-term trend: BirLife International (2004) Birds in Europe: population estimates, trends and conservation status. Cambridge, UK Papp T., Fântână C. – editori 2008, ARIILE DE IMPORTANȚĂ AVIFAUNISTICĂ DIN ROMÂNIA, Publicație Comună a Societății Ornitologice Române și a Asociației „Grupul Milvus”

Breeding long-term trend: Munteanu D. (ed) 2002: Atlasul păsărilor clocitoare din România, ediția a II-a, Publicațiile Societății Ornitologice Române, nr. 16, Cluj-Napoca. Weber P. et all. 1994: Atlasul provizoriu al păsărilor clocitoare din România, Publicațiile Societății Ornitologice Române, nr.2, Mediaș Papp T., Fântână C. – editori 2008, ARIILE DE IMPORTANȚĂ AVIFAUNISTICĂ DIN ROMÂNIA, Publicație Comună a Societății Ornitologice Române și a Asociației „Grupul Milvus” Victor Ciocchia. Dinamica și migrația păsărilor. Ed. Științifică și Enciclopedică, București, 1985

Winter population size: International Waterbird Census, Romania SOR Database Milvus Database

Winter short-term trend: International Waterbird Census, Romania SOR Database Milvus Database

Winter long-term trend: International Waterbird Census, Romania SOR Database Milvus Database

Russia

Breeding population size: Krivenko V.G., Vinogradov V.G. 2008. Birds of the Water Environment and Rhythms of Climate of the Northern Eurasia. Moscow: 588 pp. (in Russian). 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).

Breeding short-term trend: Mischenko A.L., expert opinion

Breeding long-term trend: 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). Shepel A.I., expert opinion. shai53@mail.ru

Winter population size: Grishanov G.V., Romanov Yu.M. 2007. Hunting animals of Kaliningrad Region. Kaliningrad: 203 pp. (in Russian). Bukreev S.A., Dzhimirzoev G.S. 2010. Results of mid-winter counts of birds in Republic Dagestan in January 2010. – Proc. of State Nature Reserve “Dagestansky”, 3. Makhachkala: 74-103 (in Russian). Grishanov G.V., unpublished data

Winter short-term trend: Grishanov G.V., Romanov Yu.M. 2007. Hunting animals of Kaliningrad Region. Kaliningrad: 203 pp. (in Russian). Grishanov G.V., unpublished data

Serbia

Winter population size: Šćiban M, Đapić D, Sekereš O, Đorđević I, Ružić M, Stanković D, Radišić D, Gergelj J, Janković M, Radaković M, Rudić B, Agošton A, Dajović M. & Simić D. (2011): Rezultati Međunarodnog cenusa ptica vodenih staništa u Srbiji 2012. godine. Ciconia 20: 120–1

Winter short-term trend: Šćiban M, Đapić D, Sekereš O, Đorđević I, Ružić M, Stanković D, Radišić D, Gergelj J, Janković M, Radaković M, Rudić B, Agošton A, Dajović M. & Simić D. (2011): Rezultati Međunarodnog cenusa ptica vodenih staništa u Srbiji 2012. godine. Ciconia 20: 120–1

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

Slovakia

Winter population size: Slabeyová K., Ridzoň J., Karaska D., Topercer J. & Darolová A. 2011: Správa zo zimného sčítania vodného vtáctva na Slovensku 2009/10, SOS/BirdLife Slovensko, Bratislava, 160 s.

Winter short-term trend: Slabeyová K., Ridzoň J., Karaska D., Topercer J. & Darolová A. 2011: Správa zo zimného sčítania vodného vtáctva na Slovensku 2009/10, SOS/BirdLife Slovensko, Bratislava, 160 s.

Winter long-term trend: Slabeyová K., Ridzoň J., Karaska D., Topercer J. & Darolová A. 2011: Správa zo zimného sčítania vodného vtáctva na Slovensku 2009/10, SOS/BirdLife Slovensko, Bratislava, 160 s.

Slovenia

Winter population size: <http://www.natura2000.gov.si/index.php?id=211> Božič, L. (2008): Monitoring populacij izbranih vrst ptic – zimsko štetje vodnih ptic 2002-2008. Končno poročilo. Društvo za opazovanje in preučevanje ptic Slovenije, Ljubljana. 167 str. Božič, L. (2009): Monitoring populacij izbranih vrst ptic – Rezultati zimskega štetja vodnih ptic 2009, rezultati popisov preleta ujed v jesenski sezoni 2008. 2. vmesno poročilo. Društvo za opazovanje in preučevanje ptic Slovenije, Ljubljana. 35 str. Božič, L. (2010): Monitoring populacij izbranih ciljnih vrst ptic – zimsko štetje vodnih ptic 2010. Končno poročilo. Društvo za opazovanje in preučevanje ptic Slovenije, Ljubljana. 28 str. Božič, L. (2011): Monitoring populacij izbranih ciljnih vrst ptic – zimsko štetje vodnih ptic 2011. Končno poročilo. Društvo za opazovanje in preučevanje ptic Slovenije, Ljubljana. 28 str. BOŽIČ, L. (2008A): Rezultati januarskega štetja vodnih ptic leta 2008 v Sloveniji. – Acrocephalus 29 (136): 39–49. BOŽIČ, L. (2008B): Rezultati januarskega štetja vodnih ptic leta 2009 v Sloveniji. – Acrocephalus 29 (138/139): 169–179. BOŽIČ, L. (2010): Rezultati januarskega štetja vodnih ptic leta 2010 v Sloveniji. – Acrocephalus 31 (145/146): 131–141. BOŽIČ, L. (2011): Rezultati januarskega štetja vodnih ptic leta 2011 v Sloveniji. – Acrocephalus 32 (148/149): 67–77. BOŽIČ, L. (2012): Rezultati januarskega štetja vodnih ptic leta 2012 v Sloveniji. – Acrocephalus 33 (152/153): 109–119.

Winter short-term trend: DOPPS

Winter long-term trend: BIBIČ, A. (1998): Ptice vodnih zbiralnikov severovzhodne Slovenije. – Acrocephalus 9 (35/36): 25–48. SOVINC, A. (1994): Zimski ornitološki atlas Slovenije. – Tehniška založba Slovenije, Ljubljana. ŠTUMBERGER, B. (2000): Reka Drava. pp. 149–159. V: Polak, S. (ur.): Mednarodno pomembna območja za ptice v Sloveniji. Monografija DOPPS št. 1. – DOPPS, 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.

Winter population size: Swedish Bird Survey (Svensk Fågeltaxering), Lund University.

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

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

Switzerland

Winter population size: Swiss Ornithological Institute. Winter waterbird census (January). <http://www.vogelwarte.ch/monitoring-wintering-waterbirds.html> Min Max of total count

Winter short-term trend: Swiss Ornithological Institute. Winter waterbird census (January). <http://www.vogelwarte.ch/monitoring-wintering-waterbirds.html> Min Max refer to 95% Confidence interval.

Bucephala clangula (Common Goldeneye)

Switzerland

Winter long-term trend: Swiss Ornithological Institute. Winter waterbird census (January). <http://www.vogelwarte.ch/monitoring-wintering-waterbirds.html> Min Max refer to 95% Confidence interval.

Turkey

Winter population size: Kurt, B., Ozbağdatlı, N., Bozkurt, A.K., Arslangundoğdu, Z. ve Gursoy, A. 2002. Türkiye Sulakaları Kis Ortası Sukuşu Sayımı, Doğa Hayatı Koruma Derneği, İstanbul, Türkiye. Çağlayan, E., Kılıç, D.T., Per, E. ve Gem, E. 2005. Türkiye Kis Ortası Sukuşu Sayımları 2005. Doğa Derneği, Ankara, Turkey Suseven, B., Onmus, O. ve İsfendiyaroğlu, S. 2006. Kis Ortası Sukuşu Sayımı (KOSK) Raporu, Doğa Derneği, Ankara Onmus, O. 2007. Türkiye Kis Ortası Sukuşu Sayımları 2007, Doğa Derneği, Ankara Akarsu, F. ve Balkız, Ö. 2010. Türkiye Kis Ortası Sukuşu Sayımları 2008-2009-2010, Doğa Derneği, Ankara Erciyas Yavuz, K., Kartal E. 2011. Türkiye Kis Ortası Sukuşu Sayımları, 2011, Ornitoloji Araştırma Merkezi, Samsun Erciyas Yavuz, K., İsfendiyaroğlu S. 2013. 2012 Türkiye Kis Ortası Sukuşu Sayımları, Doğa Derneği, Ankara Birdlife International (2004) Birds in Europe: population estimates, trends and conservation status, Cambridge UK: Birdlife International (Birdlife Conservation series no: 12) www.kusbanks.org

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. Hagemaijer 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. European birds populations; Estimates and trends Compiled by M. Heath, C. Borggreve, N. Peet, W. Hagemeyer/ BirdLife International/EBCC. 2000. Cambridge, UK: BirdLife Conservation Series N10, 160 p. 5. Горбань І. Оцінка чисельності гніздових птахів України. Вісник Львівського університету. Серія біологічна. Випуск 34. 2003. с. 147 – 158.

Breeding short-term trend: 1. Directory of Azov – Black Sea Coastal Wetlands / Ed. By G. Marushevsky – Kyiv, 2003, Wetland International, 235 p. 2. Directory of Ukraine's Wetlands / Ed. By G. Marushevsky & I. Zaruk. – Kyiv, 2006, Wetland International Black Sea Programme. - 312 c.

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. Hagemaijer 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. European birds populations; Estimates and trends Compiled by M. Heath, C. Borggreve, N. Peet, W. Hagemeyer/ BirdLife International/EBCC. 2000. Cambridge, UK: BirdLife Conservation Series N10, 160 p. 5. Горбань І. Оцінка чисельності гніздових птахів України. Вісник Львівського університету. Серія біологічна. Випуск 34. 2003. с. 147 – 158. 6. Birds in Europe: Population Estimates, Trends and Conservation Status. BirdLife Conservation Series 12; 2004. 374 p.

Winter population size: 1. Scott, D. A. & Rose, P.M. (1996). Atlas of Anatidae Populations in Africa and Western Eurasia / Wetland International Publ. No41, Wetland International , Wageningen, The Netherlands, 336 p. 2. Русев И.Т., Корзюков А.И., Сацый С.Ф. Мониторинг зимующих птиц в Северо-Западном Причерноморье в 1999 г. Сб. Зимние учеты птиц на Азово-Черноморском побережье Украины, Алушта-Киев, 1999, выпуск 2, С.46-60. 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. European birds populations; Estimates and trends Compiled by M. Heath, C. Borggreve, N. Peet, W. Hagemeyer/ BirdLife International/EBCC. 2000. Cambridge, UK: BirdLife Conservation Series N10, 160 p. 5. Birds in Europe: Population Estimates, Trends and Conservation Status. BirdLife Conservation Series 12; 2004. 374 p. 6. Горбань І. Розміри популяцій зимуючих птахів України. Вісник Львівського університету. Серія біологічна. Вип. 35. 2004. С.23-39. 7. Directory of Ukraine's Wetlands / Ed. By G. Marushevsky& I. Zaruk. – Kyiv, 2006, Wetland International Black Sea Programme. - 312 с.. 8. Бескаравайний М.М. Птицы морских берегов Южного Крыма. Симферополь. «Н.Орианда», 2008. 160 с. 9. Kostiushyn V., Andryuschenko Yu., Goradze I., Abuladze A., Mamuchadze J., Erciyas K. Wintering Waterbird Census in the Azow – Black Sea Coastal Wetlands of Ukraine, Georgia, and Turkey. – Wetlands International Black Sea Program. – 2011. – 130 pp.

Winter short-term trend: 1. Scott, D. A. & Rose, P.M. (1996). Atlas of Anatidae Populations in Africa and Western Eurasia / Wetland International Publ. No41, Wetland International , Wageningen, The Netherlands, 336 p. 2. Русев И.Т., Корзюков А.И., Сацый С.Ф. Мониторинг зимующих птиц в Северо-Западном Причерноморье в 1999 г. Сб. Зимние учеты птиц на Азово-Черноморском побережье Украины, Алушта-Киев, 1999, выпуск 2, С.46-60. 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. European birds populations; Estimates and trends Compiled by M. Heath, C. Borggreve, N. Peet, W. Hagemeyer/ BirdLife International/EBCC. 2000. Cambridge, UK: BirdLife Conservation Series N10, 160 p. 5. Birds in Europe: Population Estimates, Trends and Conservation Status. BirdLife Conservation Series 12; 2004. 374 p. 6. Горбань І. Розміри популяцій зимуючих птахів України. Вісник Львівського університету. Серія біологічна. Вип. 35. 2004. С.23-39. 7. Directory of Ukraine's Wetlands / Ed. By G. Marushevsky& I. Zaruk. – Kyiv, 2006, Wetland International Black Sea Programme. - 312 с.. 8. Бескаравайний М.М. Птицы морских берегов Южного Крыма. Симферополь. «Н.Орианда», 2008. 160 с. 9. Kostiushyn V., Andryuschenko Yu., Goradze I., Abuladze A., Mamuchadze J., Erciyas K. Wintering Waterbird Census in the Azow – Black Sea Coastal Wetlands of Ukraine, Georgia, and Turkey. – Wetlands International Black Sea Program. – 2011. – 130 pp.

Winter long-term trend: 1. Scott, D. A. & Rose, P.M. (1996). Atlas of Anatidae Populations in Africa and Western Eurasia / Wetland International Publ. No41, Wetland International , Wageningen, The Netherlands, 336 p. 2. Русев И.Т., Корзюков А.И., Сацый С.Ф. Мониторинг зимующих птиц в Северо-Западном Причерноморье в 1999 г. Сб. Зимние учеты птиц на Азово-Черноморском побережье Украины, Алушта-Киев, 1999, выпуск 2, С.46-60. 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. European birds populations; Estimates and trends Compiled by M. Heath, C. Borggreve, N. Peet, W. Hagemeyer/ BirdLife International/EBCC. 2000. Cambridge, UK: BirdLife Conservation Series N10, 160 p. 5. Birds in Europe: Population Estimates, Trends and Conservation Status. BirdLife Conservation Series 12; 2004. 374 p. 6. Горбань І. Розміри популяцій зимуючих птахів України. Вісник Львівського університету. Серія біологічна. Вип. 35. 2004. С.23-39. 7. Directory of Ukraine's Wetlands / Ed. By G. Marushevsky& I. Zaruk. – Kyiv, 2006, Wetland International Black Sea Programme. - 312 с.. 8. Бескаравайний М.М. Птицы морских берегов Южного Крыма. Симферополь. «Н.Орианда», 2008. 160 с. 9. Kostiushyn V., Andryuschenko Yu., Goradze I., Abuladze A., Mamuchadze J., Erciyas K. Wintering Waterbird Census in the Azow – Black Sea Coastal Wetlands of Ukraine, Georgia, and Turkey. – Wetlands International Black Sea Program. – 2011. – 130 pp.

United Kingdom

Breeding population size: Holling, M. & the Rare Breeding Birds Panel. 2012. Rare breeding birds in the United Kingdom in 2010. British Birds 105: 352–416.

Breeding short-term trend: RBBP; Holling, M. & the Rare Breeding Birds Panel. 2012. Rare breeding birds in the United Kingdom in 2010. British Birds 105: 352–416.

Breeding long-term trend: Holling, M. & the Rare Breeding Birds Panel. 2012. Rare breeding birds in the United Kingdom in 2010. British Birds 105: 352–416.

Winter population size: Musgrove, A.J., Austin, G.E., Hearn, R.D., Holt, C.A., Stroud, D.A. & Wotton, S.R. 2011. Overwinter population estimates of British waterbirds. British Birds 104: 364–397.

Winter short-term trend: Holt, C.A., Austin, G.E., Calbrade, N.A., Mellan, H.J., Hearn, R.D., Stroud, D.A., Wotton, S.R. & Musgrove, A.J. (2012). Waterbirds in the UK 2010/11: The Wetland Bird Survey. BTO/RSPB/JNCC, Thetford. 183 pp.

Winter long-term trend: Holt, C.A., Austin, G.E., Calbrade, N.A., Mellan, H.J., Hearn, R.D., Stroud, D.A., Wotton, S.R. & Musgrove, A.J. (2012). Waterbirds in the UK 2010/11: The Wetland Bird Survey. BTO/RSPB/JNCC, Thetford. 183 pp.

Bibliography

- Bregnballe, T., Noer, H., Christensen, T.K., Clausen, P., Asferg, T., Fox, A.D., Delany, S. 2006. Sustainable hunting of migratory waterbirds: the Danish approach. In: Boere, G., Galbraith, C., Stroud, D. (ed.), *Waterbirds around the world*, pp. 854-860. The Stationery Office, Edinburgh, UK.
- Carboneras, C., Christie, D.A. and Kirwan, G.M. 2014. Common Goldeneye (*Bucephala clangula*). In: del Hoyo, J., Elliott, A., Sargatal, J., Christie, D.A. and de Juana, E. (eds.) 2014. *Handbook of the Birds of the World Alive*. Lynx Edicions, Barcelona. (retrieved from <http://www.hbw.com/node/52925> on 3 March 2015).
- Dennis, R.H. 1987. *Boxes for goldeneyes: a success story*. RSPB Conservation Review: 85-87.
- Hagemeijer, W.J.M. and Blair, M.J. 1997. *The EBCC Atlas of European Breeding Birds: Their Distribution and Abundance*. T and A D Poyser, London.
- Johnsgard, P.A. 1978. *Ducks, geese and swans of the World*. University of Nebraska Press, Lincoln and London.
- Kear, J. 2005. *Ducks, geese and swans volume 2: species accounts* (Cairina to Mergus). Oxford University Press, Oxford, U.K.
- Madge, S. and Burn, H. 1988. *Wildfowl*. Christopher Helm, London.
- Poysa, H. and Poysa, S. 2002. Nest-site limitation and density dependence of reproductive output in the common goldeneye *Bucephala clangula*: implications for the management of cavity-nesting birds. *Journal of Applied Ecology* 39: 502-510.
- Scott, D.A. and Rose, P.M. 1996. *Atlas of Anatidae populations in Africa and western Eurasia*. Wetlands International, Wageningen, Netherlands.
- Snow, D.W. and Perrins, C.M. 1998. *The Birds of the Western Palearctic vol. 1: Non-Passerines*. Oxford University Press, Oxford.