

## *Ardea alba* (Great White Egret)

### 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](mailto:science@birdlife.org).

*Ardea alba* (Great White Egret)

**Table 1.** Reported national breeding population size and trends in Europe<sup>1</sup>.

Country (or territory) <sup>2</sup>	Population estimate				Short-term population trend <sup>4</sup>				Long-term population trend <sup>4</sup>				Subspecific population (where relevant)
	Size (pairs) <sup>3</sup>	Europe (%)	Year(s)	Quality	Direction <sup>5</sup>	Magnitude (%) <sup>6</sup>	Year(s)	Quality	Direction <sup>5</sup>	Magnitude (%) <sup>6</sup>	Year(s)	Quality	
Albania	0-2	<1	2002-2012	good	0	0	2002-2012	good	-	80-99	1980-2012	medium	
Austria	490-770	2	2008-2012	good	0	0	2001-2012	good	+	50-60	1980-2012	good	A. a. alba, W, C & SE Europe/Black Sea & Mediterranean
Azerbaijan	500-2,000	4	2014	poor	+		2000-2014		+		1980-2014	poor	
Belarus	1,000-2,000	5	2011	medium	+	6567-9900	2001-2011	medium	+	6567-9900	1980-2012	medium	
Bulgaria	10-30	<1	2005-2012	good	0	0	2000-2012	good	0	0	1980-2012	good	A. a. alba, W, C & SE Europe/Black Sea & Mediterranean
Croatia	115-180	1	2013	medium	+	300-400	2001-2012	good	+	300-400	1980-2012	good	
France	180	1	2007	good	+	480	2000-2007	good	+	8900	1994-2007	good	A. a. alba, W, C & SE Europe/Black Sea & Mediterranean
Georgia	Present	<1			?				?				
Greece	121	<1	2009	good	+	190-290	2003-2009	good	+	1000-2000	1983-2009	good	A. a. alba, W, C & SE Europe/Black Sea & Mediterranean
Hungary	3,600-5,500	17	2008-2012	medium	+	1733	2000-2012	good	+	1285-1567	1976-2012	medium	A. a. alba, W, C & SE Europe/Black Sea & Mediterranean
Italy	85-100	<1	2002-2013	medium	+	80-180	2002-2012	medium	+		1990-2012	medium	A. a. alba, W, C & SE Europe/Black Sea & Mediterranean
Latvia	91-111	<1	2012	good	+	8900	2000-2012	good	+		1997-2012		A. a. alba, W, C & SE Europe/Black Sea & Mediterranean
Lithuania	15-30	<1	2008-2012	good	+	1400-2900	2005-2012	good					A. a. alba, W, C & SE Europe/Black Sea & Mediterranean
FYRO Macedonia	0-10	<1	2001-2012	poor	?				?				
Moldova	20-50	<1	2000-2010	medium	+	20-40	2000-2010	medium	+	10-20	1980-2010	medium	
Netherlands	86-160	<1	2008-2011	good	+	141-273	2002-2011	good	+	4200-7900	1981-2011	good	A. a. alba, W, C & SE Europe/Black Sea & Mediterranean
Poland	144-205	1	2011-2012	medium	+	4700-6730	1997-2012	good	+		1997-2012		A. a. alba, W, C & SE Europe/Black Sea & Mediterranean
Romania	210-365	1	2008-2013	medium	?				+	0-19	1980-2012	poor	A. a. alba, W, C & SE Europe/Black Sea & Mediterranean
Russia	9,000-15,000	43	2000-2012	medium	?				?				
Serbia	450-600	2	2008-2012	medium	0	0	2000-2012	medium	+	30	1980-2012	medium	
Slovakia	70-110	<1	2012	good	+	10-30	2000-2012	good	+	50-100	1980-2012	good	A. a. alba, W, C & SE Europe/Black Sea & Mediterranean
Spain	51-53	<1	2011	good	+	5200	1997-2011	good	?				A. a. alba, W, C & SE Europe/Black Sea & Mediterranean
Turkey	10-50	<1	2013	medium	-	20-39	2000-2012	medium	-	50-79	1990-2013	good	

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	Size (pairs) <sup>3</sup>	Europe (%)	Year(s)	Quality	Direction <sup>5</sup>	Magnitude (%) <sup>6</sup>	Year(s)	Quality	Direction <sup>5</sup>	Magnitude (%) <sup>6</sup>	Year(s)	Quality	
Ukraine	4,500-7,300	21	2000	medium	+	10-30	1998-2010	medium	+	25-50	1980-2012	medium	
United Kingdom	0-1	<1	2008-2012	good	+		1996-2008	good	+		1980-2008	good	A. a. alba, W, C & SE Europe/Black Sea & Mediterranean
<b>EU27</b>	<b>5,200-7,700</b>	<b>23</b>			<b>Increasing</b>								
<b>Europe</b>	<b>20,700-34,900</b>	<b>100</b>			<b>Increasing</b>								

<sup>1</sup> 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>.

<sup>2</sup> 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.

<sup>3</sup> 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.

<sup>4</sup> 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.

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

<sup>6</sup> Trend magnitudes are rounded to the nearest integer.

*Ardea alba* (Great White Egret)

**Table 2.** Reported national wintering population sizes and trends in Europe<sup>1</sup>. 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) <sup>2</sup>	Population estimate				Short-term population trend <sup>4</sup>				Long-term population trend <sup>4</sup>				Subspecific population (where relevant)
	Size (individuals) <sup>3</sup>	Europe (%)	Year(s)	Quality	Direction <sup>5</sup>	Magnitude (%) <sup>6</sup>	Year(s)	Quality	Direction <sup>5</sup>	Magnitude (%) <sup>6</sup>	Year(s)	Quality	
Albania	250-600	1	2002-2012	good	0	0	2002-2012	good	+	30-40	1980-2012	medium	
Armenia	9-686	<1	2003-2013	good	?				?				
Azerbaijan	1,000-3,000	7	2014	medium	+		2000-2014	medium	+		1980-2014	medium	
Belgium	186-229	1	2008-2012	good	+	17-20	2001-2012	good	?				
Bosnia & HG	100-400	1	2008-2013	medium	F	1-5	2000-2013	medium	?				
Bulgaria	200-2,000	2	2008-2012	good	+	10-20	1999-2011	good	+	10-20	1980-2012	good	
Croatia	1,500-2,500	7	2013	medium	+	1000-1500	2001-2012	poor	?				
Czech Rep.	220	1	2011	medium	+	193	2000-2011	medium	+	100	1980-2011	medium	
Georgia	Present	<1	2012		?				?				
Germany	401-1,000	2	2000-2005	medium	+	11-100	1997-2009	medium	+	31-400	1984-2009	medium	
Greece	2,038-3,864	11	2007-2013	good	+	104	2004-2013	good	?			good	
Italy	6,409-7,110	26	2007-2009	medium	+	10-65	2000-2009	medium	+	520-590	1991-2009	medium	
Kosovo	50-100	<1	2009-2014		?				?				
Luxembourg	10-15	<1	2008-2012	medium	+	100-200	2000-2012	medium	+	1000-1500	1991-2012	medium	
FYRO Macedonia	150-500	1	2001-2012	poor	0	0	2000-2012	poor	0	0	1980-2012	poor	
Moldova	0-28	<1	2000-2010	medium	F	2-10	2000-2010	medium	+	10-20	1980-2010	medium	
Montenegro	40-160	<1	2003-2012	good	-		2003-2012	good	-		1991-2012	good	
Netherlands	2,300-2,800	10	2011	good	+	1909-3333	2000-2011	good	+	47480-88348	1981-2011	good	
Romania	1,000-3,000	7	2008-2013	medium	+	6-12	2000-2013	medium	?				
Serbia	1,000-2,500	6	2008-2012	medium	F	0	2000-2012		+		1980-2012	poor	
Slovenia	350-1,200	2	2008-2012	medium	+	90-110	2001-2012	good	+	1300-1600	1980-2012	medium	
Spain	925-1,011	4	2008-2010	good	+	643	2000-2010	good	+		1980-2010	good	
Switzerland	103-218	1	2008-2012	good	+	88-129	2001-2012	good	?				
Turkey	1,500-2,500	7	2002-2012	medium	0	0	2002-2012	poor	?				
Ukraine	500-900	3	1998-2009	medium	+	10-20	1998-2009	medium	+	15-30	1980-2009	medium	
<b>EU27</b>	<b>14,000-22,400</b>	<b>65</b>			<b>Increasing</b>								
<b>Europe</b>	<b>20,200-36,500</b>	<b>100</b>			<b>Increasing</b>								

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Country (or territory) <sup>2</sup>	Population estimate				Short-term population trend <sup>4</sup>				Long-term population trend <sup>4</sup>				Subspecific population (where relevant)
	Size (individuals) <sup>3</sup>	Europe (%)	Year(s)	Quality	Direction <sup>5</sup>	Magnitude (%) <sup>6</sup>	Year(s)	Quality	Direction <sup>5</sup>	Magnitude (%) <sup>6</sup>	Year(s)	Quality	

<sup>1</sup> 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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<sup>3</sup> 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.

<sup>4</sup> 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.

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

<sup>6</sup> 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

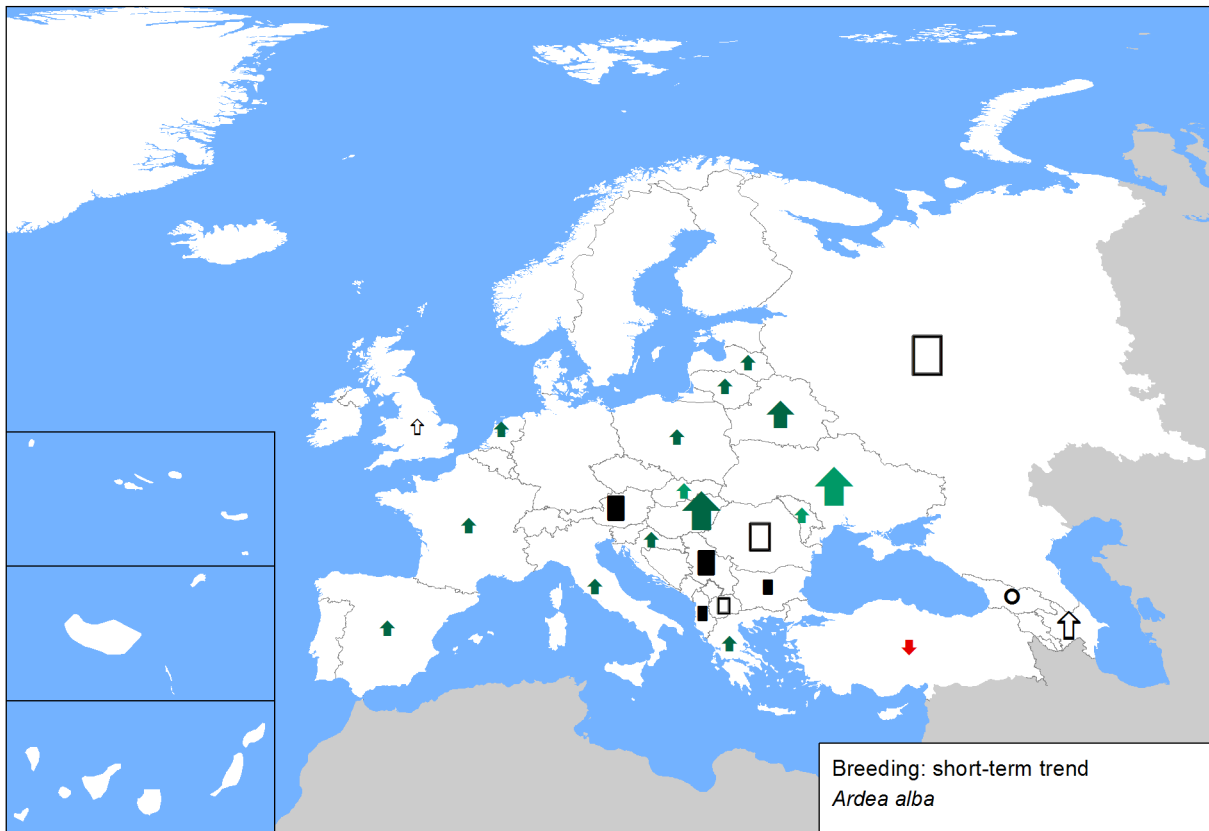
- |   |                                  |
|---|----------------------------------|
| ↑ Large increase ( $\geq 50\%$ )        | ↓ Large decrease ( $\geq 50\%$ ) |
| ↑ Moderate increase (20–49%)            | ↓ Moderate decrease (20–49%)     |
| ↑ Small increase ( $< 20\%$ )           | ↓ Small decrease ( $< 20\%$ )    |
| ↑ 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.

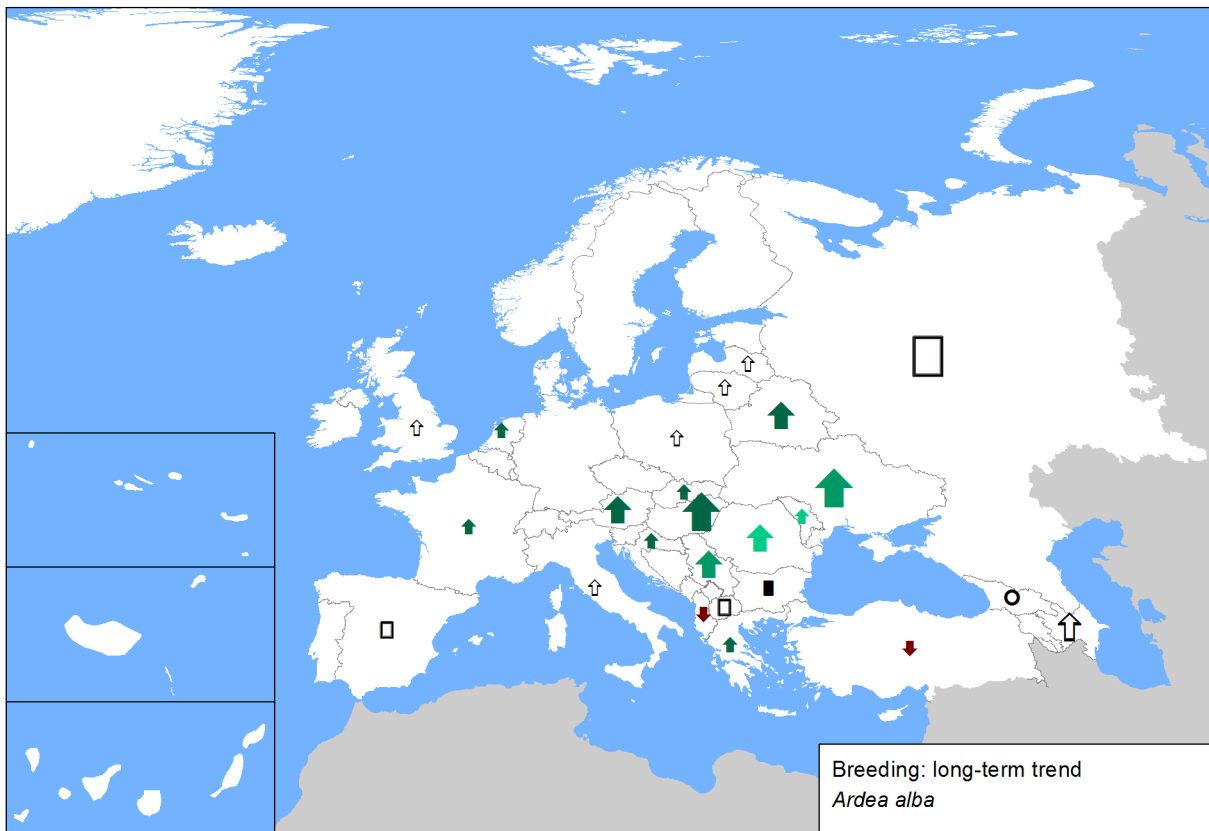
- ↑ Large:  $\geq 10\%$  of the European population
- ↑ Medium: 1–9% of the European population
- ↑ Small:  $< 1\%$  of the European population

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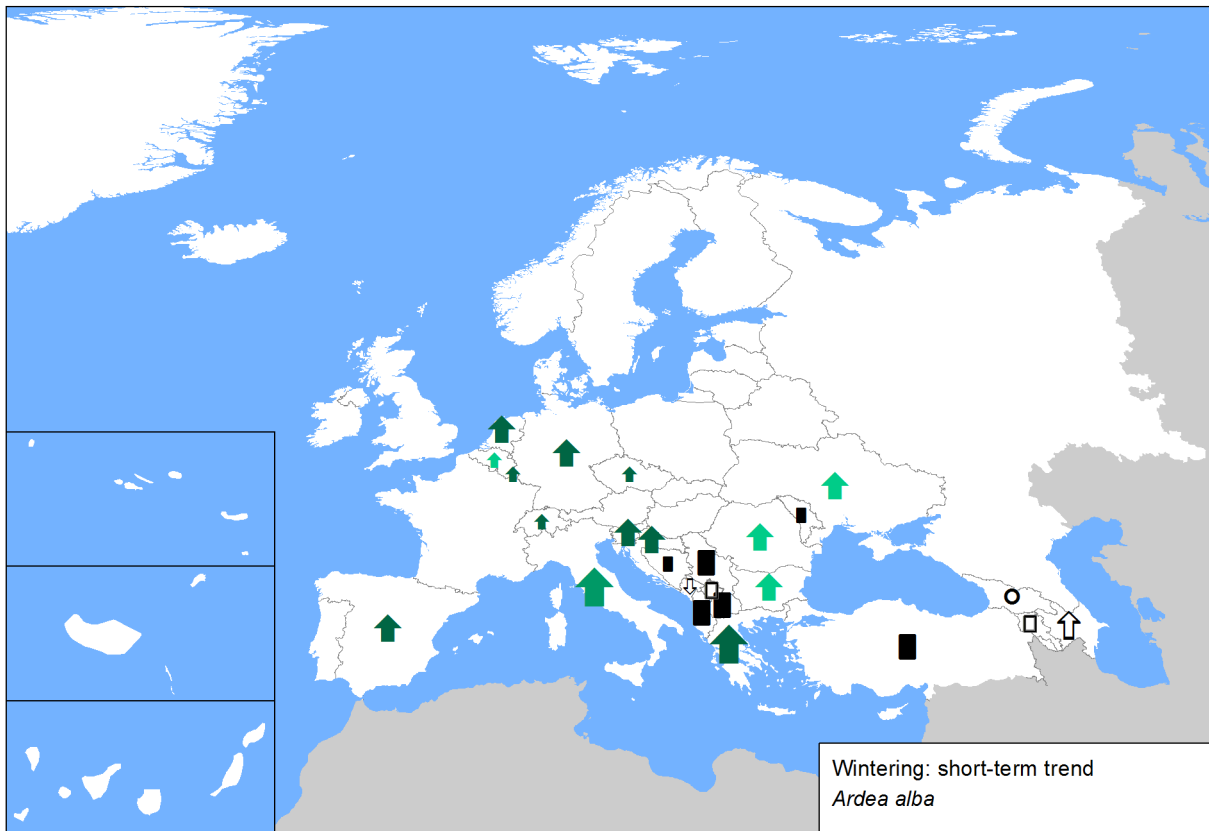
**Figure 1.** Breeding population sizes and short-term trends across Europe.



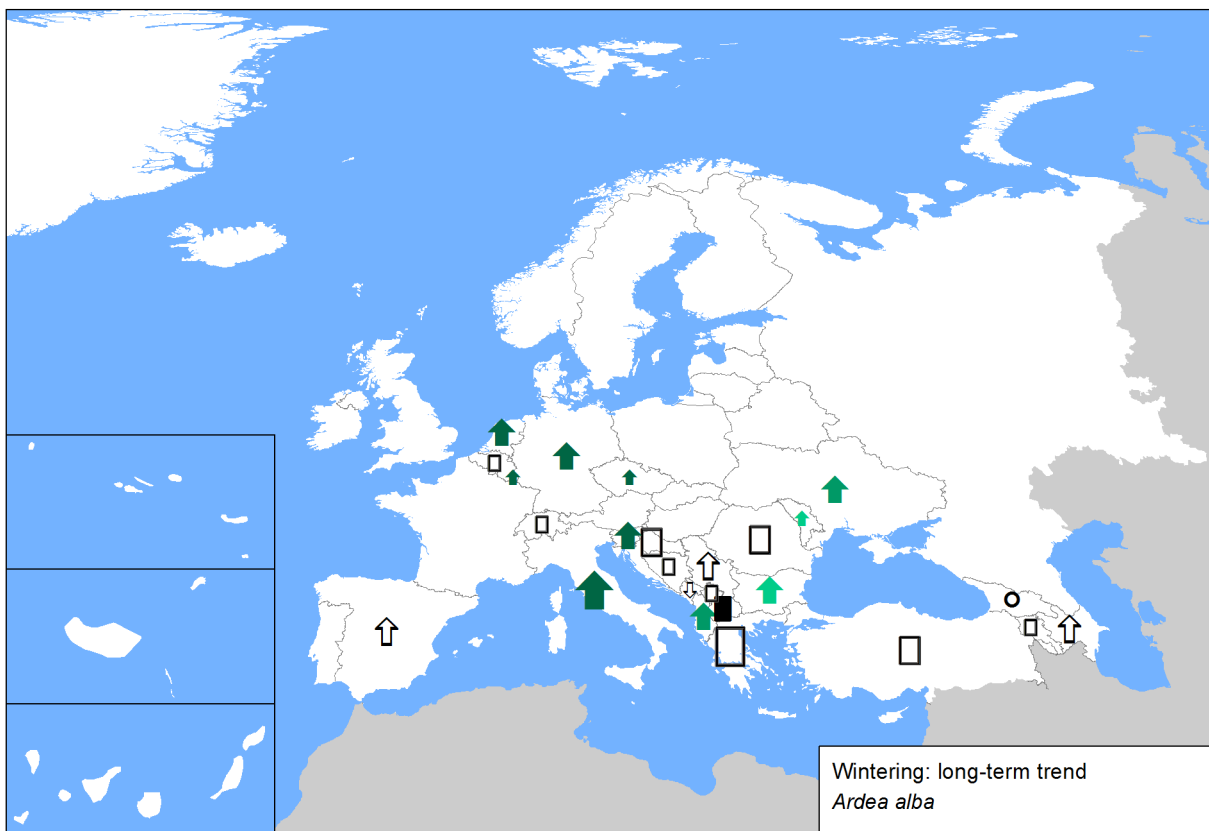
**Figure 2.** Breeding population sizes and long-term trends across Europe.



**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

<b>Breeding population size:</b> Bino pers. obs.
<b>Breeding short-term trend:</b> Bino pers. obs.
<b>Breeding long-term trend:</b> Bino pers. obs.
<b>Winter population size:</b> Bino pers. obs.
<b>Winter short-term trend:</b> Bino pers. obs.
<b>Winter long-term trend:</b> Bino pers. obs.

### Armenia

<b>Winter population size:</b> ASPB IWC counts
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### Austria: A. a. alba, W, C & SE Europe/Black Sea & Mediterranean

<b>Breeding population size:</b> E. Nemeth, unpublished data
<b>Breeding short-term trend:</b> E. Nemeth, unpublished data
<b>Breeding long-term trend:</b> Grüll & Ranner 1998, E. Nemeth, unpublished data

### Azerbaijan

<b>Breeding population size:</b> AOS data base
<b>Breeding short-term trend:</b> AOS data base
<b>Breeding long-term trend:</b> AOS data base
<b>Winter population size:</b> AOS data base
<b>Winter short-term trend:</b> AOS data base
<b>Winter long-term trend:</b> AOS data base

### Belarus

<b>Breeding population size:</b> Samusenko I. Current status of Great White Egret ( <i>Egretta alba</i> ) in Belarus // Proceeding of International scientific conference "Red Data Book of Belarus: state, problems and prospects". Vitebsk, 2011. P.152-154. (in Russian)
<b>Breeding short-term trend:</b> Samusenko I. Current status of Great White Egret ( <i>Egretta alba</i> ) in Belarus // Proceeding of International scientific conference "Red Data Book of Belarus: state, problems and prospects". Vitebsk, 2011. P.152-154. Red data book of the Republic of Belarus. – 2004. – Minsk. – 320 p.
<b>Breeding long-term trend:</b> Nikiforov M.E., Kozulin A.V., eds. Belarussian birds at the beginning of XXI century: status, numbers, distribution. - 1997. - Minsk. - 187 p.

### Belgium: A. a. alba, W, C & SE Europe/Black Sea & Mediterranean

<b>Winter population size:</b> waterbird database INBO + Aves
<b>Winter short-term trend:</b> waterbird database INBO and Aves
<b>Winter long-term trend:</b> waterbird database INBO and Aves

### Bosnia and Herzegovina

<b>Winter population size:</b> 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 brojanja 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.
<b>Winter short-term trend:</b> 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: Izveštaj 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 brojanja 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: A. a. alba, W, C & SE Europe/Black Sea & Mediterranean

<b>Breeding population size:</b> Iankov P. (ed.) 2007. Atlas of Breeding Birds in Bulgaria. Bulgarian Society for the protection of Birds, Conservation Series, Book 10, Sofia, BSPB, 76-77; Michev T. (2011). Great White Egret. In: Red Data Book of Bulgaria, Golemski G. (ed.), (web edition, <a href="http://e-ecodb.bas.bg/rdb/bg/">http://e-ecodb.bas.bg/rdb/bg/</a> ). SPAs mapping in 2012 Common Bird Monitoring Scheme <a href="http://bspb.org/monitoring/">http://bspb.org/monitoring/</a>
<b>Breeding short-term trend:</b> Iankov P. (ed.) 2007. Atlas of Breeding Birds in Bulgaria. Bulgarian Society for the protection of Birds, Conservation Series, Book 10, Sofia, BSPB, 76-77; Michev T. (2011). Great White Egret. In: Red Data Book of Bulgaria, Golemski G. (ed.), (web edition, <a href="http://e-ecodb.bas.bg/rdb/bg/">http://e-ecodb.bas.bg/rdb/bg/</a> ).
<b>Breeding long-term trend:</b> Iankov P. (ed.) 2007. Atlas of Breeding Birds in Bulgaria. Bulgarian Society for the protection of Birds, Conservation Series, Book 10, Sofia, BSPB, 76-77; Michev T. (2011). Great White Egret. In: Red Data Book of Bulgaria, Golemski G. (ed.), (web edition, <a href="http://e-ecodb.bas.bg/rdb/bg/">http://e-ecodb.bas.bg/rdb/bg/</a> ).
<b>Winter population size:</b> Yearly Mid-Winter Counts of Waterbirds in Bulgaria (2000-2011), unpublished data <a href="http://natura2000.moew.government.bg/Home/Reports?reportType=OtherBirdDocuments">http://natura2000.moew.government.bg/Home/Reports?reportType=OtherBirdDocuments</a>

## *Ardea alba* (Great White Egret)

### **Bulgaria: A. a. alba, W, C & SE Europe/Black Sea & Mediterranean**

<b>Winter short-term trend:</b> Yearly Mid-Winter Counts of Waterbirds in Bulgaria (2000-2011), unpublished data
<b>Winter long-term trend:</b> Michev T., Profirov L. 2003. Mid-Winter Numbers of Waterbirds in Bulgaria (1977-2001). Pensoft, Sofia, 160 pp.

### **Croatia**

<b>Breeding population size:</b> Tutiš, V., Kralj, J., Radović, D., Čiković, D. i Barišić, S. (2013): Crvena knjiga ptica Republike Hrvatske. Ministarstvo zaštite okoliša i prirode, Državni zavod za zaštitu prirode, Zagreb
<b>Breeding short-term trend:</b> Tutiš, V., Kralj, J., Radović, D., Čiković, D. i Barišić, S. (2013): Crvena knjiga ptica Republike Hrvatske. Ministarstvo zaštite okoliša i prirode, Državni zavod za zaštitu prirode, Zagreb
<b>Breeding long-term trend:</b> Tutiš, V., Kralj, J., Radović, D., Čiković, D. i Barišić, S. (2013): Crvena knjiga ptica Republike Hrvatske. Ministarstvo zaštite okoliša i prirode, Državni zavod za zaštitu prirode, Zagreb
<b>Winter population size:</b> Zavod za ornitologiju (Sanja Barišić, Davor Čiković, Jelena Kralj, Goran Sušić, Vesna Tutiš), Dragan Radović, Ivan Budinski, Robert Crnković, Antun Delić, Dubravko Dender, Vlatka Dumbović, Ivan Darko Grlica, Bariša Ilić, Luka Jurinović, Davor Krnjeta, Krešimir Leskovar, Duje Lisičić, Ivica Lolić, Gordana Lukač, Kristijan Mandić, Krešimir Mikulić, Tibor Mikuska, Gvido Piasevoli, Andrej Radalj, Zlatko Ružanović, Vlatka Ščetarić, Mirko Šetina, Adrian Tomik (2013): Procjene brojnosti za SPA područja. Državni zavod za zaštitu prirode, Zagreb
<b>Winter short-term trend:</b> BiE III Work group, Croatia; Report on the implementation of AEWA for the period 2009-2011 - Croatia. <a href="http://www.unep-aewa.org/en/document/national-report-croatia-2">http://www.unep-aewa.org/en/document/national-report-croatia-2</a>
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### **Czech Republic: A. a. alba, W, C & SE Europe/Black Sea & Mediterranean**

<b>Winter population size:</b> MUSIL P. & MUSILOVA Z. 2011: Aythya 4, Univerzita Karlova v Praze, Praha.
<b>Winter short-term trend:</b> MUSIL P. & MUSILOVA Z. 2011: Aythya 4, Univerzita Karlova v Praze, Praha.
<b>Winter long-term trend:</b> MUSIL P. & MUSILOVA Z. 2011: Aythya 4, Univerzita Karlova v Praze, Praha.

### **France: A. a. alba, W, C & SE Europe/Black Sea & Mediterranean**

<b>Breeding population size:</b> Marion, L. 2009 Recensement national des Hérons coloniaux de France en 2007. Héron cendré, Héron pourpré Héron bihoreau, Héron crabier, Héron gardebœuf, Aigrette garzette, Grande Aigrette, MEEDDMT, 84 p.
<b>Breeding short-term trend:</b> Marion, L. & Marion, P. 1994 Premières nidifications réussies de la Grande aigrette Egretta alba en France, au lac de Grand-Lieu, p. 149-152 Marion, L. 2009 Recensement National des Hérons coloniaux de France en 2007, MEEDDAT - Direction générale de l'Aménagement, du logement et de la nature - Direction de l'eau et de la biodiversité/SESLG-CNRS-Université Rennes1/MNHN, Rennes, 84 p.
<b>Breeding long-term trend:</b> Marion, L. & Marion, P. 1994 Premières nidifications réussies de la Grande aigrette Egretta alba en France, au lac de Grand-Lieu, p. 149-152 Marion, L. 2009 Recensement National des Hérons coloniaux de France en 2007, MEEDDAT - Direction générale de l'Aménagement, du logement et de la nature - Direction de l'eau et de la biodiversité/SESLG-CNRS-Université Rennes1/MNHN, Rennes, 84 p.

### **Georgia**

<b>Breeding population size:</b> BirdLife International 2004
<b>Winter population size:</b> BirdLife International 2004

### **Germany: A. a. alba, W, C & SE Europe/Black Sea & Mediterranean**

<b>Winter population size:</b> Wahl, J., J. Bellebaum, J. Blew, S. Garthe, K. Günther & T. Heinicke (in Vorb.): Rastende Wasservogel in Deutschland 2000-2005: Bestandsschätzungen und Schwellenwerte für Rastgebiete nationaler Bedeutung. Vogelwelt.
<b>Winter short-term trend:</b> Monitoring rastender Wasservogel
<b>Winter long-term trend:</b> Monitoring rastender Wasservogel

### **Greece: A. a. alba, W, C & SE Europe/Black Sea & Mediterranean**

<b>Breeding population size:</b> Kazantzidis, S. & G. Yfantis. 2012. Heronries in Greece - 2nd national Census. Oionos (Hellenic Ornithological Society's 3-monthly edition) 49: 8-9.
<b>Breeding short-term trend:</b> Kazantzidis, S. 2005. Herons. Hellenic Ornithological Society, Thessaloniki.
<b>Breeding long-term trend:</b> Catsadorakis, G. 1989. Notes on the avifauna of Lake Prespa National Park. Biol. Gallo-hellen. 12, 485-496
<b>Winter population size:</b> Midwinter Counts Database, Hellenic Ornithological Society
<b>Winter short-term trend:</b> Midwinter Counts Database, Hellenic Ornithological Society
<b>Winter long-term trend:</b> Midwinter Counts Database, Hellenic Ornithological Society

### **Hungary: A. a. alba, W, C & SE Europe/Black Sea & Mediterranean**

<b>Breeding population size:</b> National Park Directorates databases Breeding bird (MME RTM) database.
<b>Breeding short-term trend:</b> National Park Directorates databases Breeding bird (MME RTM) database. MME Nomenclator Bizottság (2008): Magyarország madarainak névjegyzéke. Nomenclator avium Hungariae. Magyar Madártani és Természetvédelmi Egyesület, Budapest. P. 278.
<b>Breeding long-term trend:</b> National Park Directorates databases Breeding bird (MME RTM) database. Haraszthy L. (szerk.) (1984): Magyarország fészkelő madarai. Natura, Budapest. 247 p.

### **Italy: A. a. alba, W, C & SE Europe/Black Sea & Mediterranean**

<b>Breeding population size:</b> Mezzavilla F & Scarton F. 2013. Le garzaie in Veneto. Risultati dei censimenti svolti nel 2009-2010. Associazione Faunisti Veneti, 224 Pp. Puglisi L, Pezzo F, Sacchetti A. 2012. Gli aironi coloniali in Toscana. Andamento, distribuzione e conservazione. Edizioni Regione Toscana. Fasola M, Albanese G, AsOER. Boano G, Boncompagni E, Bressan U, Brunelli M, Ciaccio A, Floris G, Grussu M, Guglielmi R, Guzzon C, Mezzavilla F, Paesani G, Sacchetti A, Sanna M, Scarton F, Scocciati C, Utmar P, Vaschetti G & Velatta F. 2007. Le garzaie in Italia, 2002. Avocetta 31:5-46 Provincia di Perugia, Servizio Gestione Faunistica e Protezione Ambientale, unpubl. datas. Tinarelli R. Pers. comm. Fasola M, Pers. comm.
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## *Ardea alba* (Great White Egret)

### Italy: **A. a. alba, W, C & SE Europe/Black Sea & Mediterranean**

<b>Breeding short-term trend:</b> Mezzavilla F & Scarton F. 2013. Le garzaie in Veneto. Risultati dei censimenti svolti nel 2009-2010. Associazione Faunisti Veneti, 224 Pp. Puglisi L, Pezzo F, Sacchetti A. 2012. Gli aironi coloniali in Toscana. Andamento, distribuzione e conservazione. Edizioni Regione Toscana. Fasola M, Albanese G, AsOER. Boano G, Boncompagni E, Bressan U, Brunelli M, Ciaccio A, Floris G, Grussu M, Guglielmi R, Guzzon C, Mezzavilla F, Paesani G, Sacchetti A, Sanna M, Scarton F, Scoccianti C, Utmar P, Vaschetti G & Velatta F. 2007. Le garzaie in Italia, 2002. Avocetta 31:5-46 Provincia di Perugia, Servizio Gestione Faunistica e Protezione Ambientale, unpubl. datas. Tinarelli R. Pers. comm. Fasola M, Pers. comm.
<b>Breeding long-term trend:</b> Mezzavilla F & Scarton F. 2013. Le garzaie in Veneto. Risultati dei censimenti svolti nel 2009-2010. Associazione Faunisti Veneti, 224 Pp. Puglisi L, Pezzo F, Sacchetti A. 2012. Gli aironi coloniali in Toscana. Andamento, distribuzione e conservazione. Edizioni Regione Toscana. Fasola M, Albanese G, AsOER. Boano G, Boncompagni E, Bressan U, Brunelli M, Ciaccio A, Floris G, Grussu M, Guglielmi R, Guzzon C, Mezzavilla F, Paesani G, Sacchetti A, Sanna M, Scarton F, Scoccianti C, Utmar P, Vaschetti G & Velatta F. 2007. Le garzaie in Italia, 2002. Avocetta 31:5-46 Provincia di Perugia, Servizio Gestione Faunistica e Protezione Ambientale, unpubl. datas. Tinarelli R. Pers. comm. Fasola M, Pers. comm.
<b>Winter population size:</b> IWC ISPRA
<b>Winter short-term trend:</b> IWC ISPRA
<b>Winter long-term trend:</b> 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

### Kosovo

<b>Winter population size:</b> NGO "Finch" (2014)
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### Latvia: **A. a. alba, W, C & SE Europe/Black Sea & Mediterranean**

<b>Breeding population size:</b> www.putni.lv
<b>Breeding short-term trend:</b> www.putni.lv
<b>Breeding long-term trend:</b> The first case of breeding was recorded in 1997 when bred in a mixed pair with Grey Heron. First breeding of 'clean' pair in 2000.

### Lithuania: **A. a. alba, W, C & SE Europe/Black Sea & Mediterranean**

<b>Breeding population size:</b> 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. Data of state monitoring scheme (2011) Rašomavičius, V. (red.) 2007. Lietuvos raudonoji knyga. Kaunas: „Lututė“, 800 p.
<b>Breeding short-term trend:</b> 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 atlasas. Kaunas: „Lututė“, 256 p. Raudonikis L. 2004. Important Bird Areas of the European Union Importance in Lithuania. Lithuanian Ornithological Society & Institute of Ecology of Vilnius University. Lutute, Vilnius.
<b>Breeding long-term trend:</b> First breeding case recorded in 2005.

### Luxembourg: **A. a. alba, W, C & SE Europe/Black Sea & Mediterranean**

<b>Winter population size:</b> 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
<b>Winter short-term trend:</b> 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
<b>Winter long-term trend:</b> 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

<b>Breeding population size:</b> M. Velevski, unedited data
<b>Winter population size:</b> Wetlands International database and unpublished data of the Macedonian Ecological Society
<b>Winter short-term trend:</b> Wetlands International database and unpublished data of the Macedonian Ecological Society
<b>Winter long-term trend:</b> Wetlands International database and unpublished data of the Macedonian Ecological Society

### Moldova

<b>Breeding population size:</b> The Atlas of the Breeding Birds of Republic of Moldova. 2010. 100p.
<b>Breeding short-term trend:</b> The Atlas of the Breeding Birds of Republic of Moldova. 2010. 100p. Cojan C., Munteanu A., Dinamica populațiilor și particularitățile comportamentale de migrație a păsărilor acvatice și semiacvatice din bazinul Prutului inferior, Buletinul Academiei de Științe a Moldovei, nr.3, Chișinău, 2009, p. 102-111.
<b>Breeding long-term trend:</b> Аверин Ю. В., Ганя И.М., Успенский Г. Птицы Молдавии, том 2, Кишинев, 1971, Cojan C., Munteanu A., Dinamica populațiilor și particularitățile comportamentale de migrație a păsărilor acvatice și semiacvatice din bazinul Prutului inferior, Buletinul Academiei de Științe a Moldovei, nr.3, Chișinău, 2009, p. 102-111. Burfield I., Bommel van F., Birds in Europe. Population estimates, trends and conservation status. BirdLife International. Oxford, 2004. 374p. The Atlas of the Breeding Birds of Republic of Moldova. 2010. 100p.
<b>Winter population size:</b> Winter assessment of birds in Moldova
<b>Winter short-term trend:</b> Winter assessment of birds
<b>Winter long-term trend:</b> Winter assessment of birds

### Montenegro

<b>Winter population size:</b> IWC reports (2003-2012): Dubak, Vešović, N., Jovičević, M., Vizi O., Vizi,A.
<b>Winter short-term trend:</b> Puzovic, S., Simic, D., Saveljić, D., Gergelj, J., Tucakov,M.,Stojnic,N., Hulo, I., Ham, I., Vizi,O., Sciban,M., Ruzic,M., Vucanovic,M., Jovanovic, T. (2004): Birds of Serbia and Montenegro – Size of nesting populations. I trends: 1990-2002. Ciconia 12,
<b>Winter long-term trend:</b> Puzovic, S., Simic, D., Saveljić, D., Gergelj, J., Tucakov,M.,Stojnic,N., Hulo, I., Ham, I., Vizi,O., Sciban,M., Ruzic,M., Vucanovic,M., Jovanovic, T. (2004): Birds of Serbia and Montenegro – Size of nesting populations. I trends: 1990-2002. Ciconia 12,

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**Netherlands: A. a. alba, W, C & SE Europe/Black Sea & Mediterranean**

<b>Breeding population size:</b> NEM, Sovon en CBS (Boele et al. 2011-2013, van Dijk et al 2010)
<b>Breeding short-term trend:</b> NEM, Sovon en CBS, Boele et al. (2013)
<b>Breeding long-term trend:</b> Sovon
<b>Winter population size:</b> Klaassen 2012
<b>Winter short-term trend:</b> NEM (Sovon, RWS, CBS), Hornman et al 2013
<b>Winter long-term trend:</b> NEM (Sovon, RWS, CBS), Hornman et al 2013

**Poland: A. a. alba, W, C & SE Europe/Black Sea & Mediterranean**

<b>Breeding population size:</b> Komisja Faunistyczna 2012. Rzadkie ptaki obserwowane w Polsce w roku 2011. Raport nr 28. Ornis Polonica 53: 105–140; Komisja Faunistyczna 2012. Rzadkie ptaki obserwowane w Polsce w roku 2012. Raport nr 29. Ornis Polonica 54: 109–150; <a href="http://www.komisjafaunistyczna.pl/kf-en/index_en.html">http://www.komisjafaunistyczna.pl/kf-en/index_en.html</a> (access date: 09.10.2013)
<b>Breeding short-term trend:</b> Pugaciewicz E., Kowalski J. 1997. Pierwsze w 20. wieku legi czapli białej Egretta alba w Polsce. Not. Orn. 38: 323-325; Komisja Faunistyczna 2012. Rzadkie ptaki obserwowane w Polsce w roku 2011. Raport nr 28. Ornis Polonica 53: 105–140; Komisja Faunistyczna 2012. Rzadkie ptaki obserwowane w Polsce w roku 2012. Raport nr 29. Ornis Polonica 54: 109–150; <a href="http://www.komisjafaunistyczna.pl/kf-en/index_en.html">http://www.komisjafaunistyczna.pl/kf-en/index_en.html</a> (access date: 09.10.2013)

**Romania: A. a. alba, W, C & SE Europe/Black Sea & Mediterranean**

<b>Breeding population size:</b> SOR database
<b>Breeding short-term trend:</b> BirLife International (2004) Birds in Europe: population estimates, trends and conservation status. Cambridge, UK Papp T., Fântână C. – editori 2008, Ariele de Importanță Avifaunistică din România, Publicație Comună a Societății Ornitologice Române și a Asociației „Grupul Milvus”
<b>Breeding long-term trend:</b> Munteanu D. (ed) 2002: Atlasul păsărilor clocitoare din România, ediția a II-a, Publicațiile Societății Ornitologice Române, nr. 16, Cluj-Napoca. Weber P. et al. 1994: Atlasul provizoriu al păsărilor clocitoare din România, Publicațiile Societății Ornitologice Române, nr.2, Mediaș Papp T., Fântână C. – editori 2008, Ariele de Importanță Avifaunistică din România, Publicație Comună a Societății Ornitologice Române și a Asociației „Grupul Milvus” Victor Ciochia. Dinamica și migrația păsărilor. Ed. Științifică și Enciclopedică, București, 1985
<b>Winter population size:</b> International Waterbird Census, Romania SOR Database Milvus Database
<b>Winter short-term trend:</b> International Waterbird Census, Romania SOR Database Milvus Database
<b>Winter long-term trend:</b> International Waterbird Census, Romania SOR Database Milvus Database

**Russia**

<b>Breeding population size:</b> Rusanov G.M., Litvinova N.A., Gavrilov N.N., Bondarev D.V., Litvinov K.V. 2012. Current condition of colonies of Pelecaniformes and Ciconiiformes and problems of their protection in Volga Delta. - Strepit 10 (1): 60-77 (in Russian). Belik V.P. et al. 2003. Recent population trends of breeding birds in the Southern Russia. - Strepit 1: 10-30 (in Russian). Sarychev V.S. (ed.) 2009. Vertebrates of Lipetsk Region. Voronezh: 494 p. (in Russian). Klimov S.M., Sarychev V.S., Melnikov M.V., Zemlyanukhin A.I. 2004. Fauna of the Upper Don Basin. Nonpasserines. Lipetsk, LGPU: 224 p. (in Russian). Sarychev V.S., unpublished. vssar@yandex.ru Borodin O.V., Smirnova S.L., unpublished. spinus73@mail.ru
<b>Breeding short-term trend:</b> 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). Klimov S.M., Sarychev V.S., Melnikov M.V., Zemlyanukhin A.I. 2004. Fauna of the Upper Don Basin. Nonpasserines. Lipetsk, LGPU: 224 p. (in Russian). Borodin O.V., Smirnova S.L., unpublished. spinus73@mail.ru
<b>Breeding long-term trend:</b> Belik V.P. 2005. Cadastre of breeding avifauna of South Russia. - Strepit 3, no. 1-2: 5-37 (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). Klimov S.M., Sarychev V.S., Melnikov M.V., Zemlyanukhin A.I. 2004. Fauna of the Upper Don Basin. Nonpasserines. Lipetsk, LGPU: 224 p. (in Russian). Borodin O.V., Smirnova S.L., unpublished. spinus73@mail.ru

**Serbia**

<b>Breeding population size:</b> BPSSS (2014) Unpublished data
<b>Breeding short-term trend:</b> BPSSS (2014) Unpublished data
<b>Breeding long-term trend:</b> BPSSS (2014) Unpublished data
<b>Winter population size:</b> 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 cenzusa ptica vodenih staništa u Srbiji 2012. godine. Ciconia 20: 120–1
<b>Winter short-term trend:</b> 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 cenzusa ptica vodenih staništa u Srbiji 2012. godine. Ciconia 20: 120–1
<b>Winter long-term trend:</b> BPSSS (2014) Unpublished data

**Slovakia: A. a. alba, W, C & SE Europe/Black Sea & Mediterranean**

<b>Breeding population size:</b> Ridzoň, J., Karaska, D., Darolová, A.
<b>Breeding short-term trend:</b> Danko Štefan, Darolová Alžbeta, Krištín Anton: Rozšírenie vtákov na Slovensku. VEDA, vyd. SAV Bratislava, 2002. Rybanič R., Šutiaková T. & Benko Š. 2004: Významné vtáče územia na Slovensku. - SOVS, Bratislava, 218 pp.
<b>Breeding long-term trend:</b> Danko Štefan, Darolová Alžbeta, Krištín Anton: Rozšírenie vtákov na Slovensku. VEDA, vyd. SAV Bratislava, 2002. Rybanič R., Šutiaková T. & Benko Š. 2004: Významné vtáče územia na Slovensku. - SOVS, Bratislava, 218 pp.

## *Ardea alba* (Great White Egret)

### Slovenia: A. a. alba, W, C & SE Europe/Black Sea & Mediterranean

**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. SOVINČ, 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.

### Spain: A. a. alba, W, C & SE Europe/Black Sea & Mediterranean

**Breeding population size:** Garrido, J.R., Molina, B. & Del Moral, J.C. (Eds). 2012. Las garzas en España, población reproductora e invernante en 2010-2011 y método de censo. SEO/BirdLife. Madrid 213pp. [http://www.magrama.gob.es/es/biodiversidad/temas/inventarios-nacionales/38-Garzas\\_tcm7-219797.pdf](http://www.magrama.gob.es/es/biodiversidad/temas/inventarios-nacionales/38-Garzas_tcm7-219797.pdf)

**Breeding short-term trend:** Garrido, J.R., Molina, B. & Del Moral, J.C. (Eds). 2012. Las garzas en España, población reproductora e invernante en 2010-2011 y método de censo. SEO/BirdLife. Madrid 213pp. [http://www.magrama.gob.es/es/biodiversidad/temas/inventarios-nacionales/38-Garzas\\_tcm7-219797.pdf](http://www.magrama.gob.es/es/biodiversidad/temas/inventarios-nacionales/38-Garzas_tcm7-219797.pdf)

**Winter population size:** SEO/BirdLife (2012). Atlas de las aves en invierno en España 2007-2010. Ministerio de Agricultura, Alimentación y Medio Ambiente-SEO/BirdLife. Madrid. 816 pp. [http://www.magrama.gob.es/es/biodiversidad/publicaciones/atlas\\_aves\\_invierno\\_tcm7-291664.pdf](http://www.magrama.gob.es/es/biodiversidad/publicaciones/atlas_aves_invierno_tcm7-291664.pdf)

**Winter short-term trend:** SEO/BirdLife (2012). Programa de seguimiento de SEO/BirdLife 2011. SEO/BirdLife. Madrid. 35 pp. Información obtenida a partir de la Base de Datos del Inventario de especies terrestres. Censo de Aves Acuáticas Invernantes (Ministerio de Agricultura, Alimentación y Medio Ambiente). [http://www.magrama.gob.es/es/biodiversidad/temas/inventarios-nacionales/inventario-especies-terrestres/censos\\_aves\\_acuaticas\\_invernantes.aspx](http://www.magrama.gob.es/es/biodiversidad/temas/inventarios-nacionales/inventario-especies-terrestres/censos_aves_acuaticas_invernantes.aspx)

**Winter long-term trend:** Garrido, J.R., Molina, B. & del Moral, J.C. (Eds.) (2012). Las garzas en España, población reproductora e invernante en 2010-2011 y método de censo. SEO/BirdLife. Madrid. 213 pp. [http://www.magrama.gob.es/es/biodiversidad/temas/inventarios-nacionales/38-Garzas\\_tcm7-219797.pdf](http://www.magrama.gob.es/es/biodiversidad/temas/inventarios-nacionales/38-Garzas_tcm7-219797.pdf) Martí, R. & del Moral, J.C. (Eds.) (2003). Atlas de las Aves Reproductoras de España. Dirección General de Conservación de la Naturaleza- Sociedad Española de Ornitología. Madrid, 733 pp. [http://www.magrama.gob.es/es/biodiversidad/temas/inventarios-nacionales/inventario-especies-terrestres/inventario-nacional-de-biodiversidad/ieet\\_aves\\_atlas.aspx](http://www.magrama.gob.es/es/biodiversidad/temas/inventarios-nacionales/inventario-especies-terrestres/inventario-nacional-de-biodiversidad/ieet_aves_atlas.aspx)

### 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.

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