



THE IUCN RED LIST  
OF THREATENED SPECIES™



## ***Ciconia nigra (Black Stork)***

### **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).

*Ciconia nigra* (Black Stork)

**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	0-10	<1	2002-2012	poor	+	0	2002-2012	poor	-	50-100	1980-2012	poor	
Armenia	3-8	<1	2002-2012	medium	?				?				
Austria	270-350	3	2005-2012	medium	0	0	2001-2012	medium	+	100-200	1980-2012	medium	Central & Eastern Europe/Sub-Saharan Africa
Azerbaijan	50-200	1	1996-2000	poor	?				?				
Belarus	1,000-1,500	11	2008-2012	medium	+	5-15	2001-2012	medium	+	5-15	1980-2012	medium	
Belgium	95	1	2008-2012	medium	0	0	2000-2012	poor	?				South-west Europe/West Africa
Bosnia & HG	10-30	<1	2010-2014	poor	?				?				
Bulgaria	500-600	5	2005-2012	medium	?				+	157-209	1980-2012	medium	Central & Eastern Europe/Sub-Saharan Africa
Croatia	220-340	2	2010	medium	?				?				
Czech Rep.	300-400	3	2001-2003	good	+	105-143	2000-2012	medium	+	102-115	1982-2012	medium	Central & Eastern Europe/Sub-Saharan Africa
Estonia	60-90	1	2008-2012	good	+	20-50	2001-2012	good	-	50-70	1980-2012	good	Central & Eastern Europe/Sub-Saharan Africa
France	50-70	1	2009-2012	medium	+	100-400	2001-2012	medium	+	350-550	1985-2013	medium	South-west Europe/West Africa
Georgia	Present	<1			?				?				
Germany	650-750	6	2005-2009	good	+	56-104	1998-2009	good	+	654-2656	1985-2009	good	Central & Eastern Europe/Sub-Saharan Africa
Greece	110-170	1	2004-2012	good	0	0	2001-2012	medium	?				Central & Eastern Europe/Sub-Saharan Africa
Hungary	380-420	3	2000-2012	medium	+	10-20	2000-2012	medium	+	25-50	1980-2012	medium	Central & Eastern Europe/Sub-Saharan Africa
Italy	10	<1	2010	good	+	40-235	2000-2010	medium	+		1994-2010	medium	South-west Europe/West Africa
Latvia	180-240	2	2012	good	-	39	2001-2012	good	-	52	1988-2012	good	Central & Eastern Europe/Sub-Saharan Africa
Lithuania	610-922	6	2008-2012	good	0	0	2001-2012	medium	-	10-43	1980-2012	medium	Central & Eastern Europe/Sub-Saharan Africa
Luxembourg	10-15	<1	2008-2012	medium	+	50-100	2000-2012	medium	+	1000-1500	1980-2012	medium	South-west Europe/West Africa
FYRO Macedonia	35-45	<1	2001-2012	medium	0	0	2000-2012	medium	?				
Moldova	3-6	<1	2001-2012	medium	-	30-50	2001-2012	medium	-	10-20	1980-2012	medium	
Montenegro	1-5	<1	2002-2012	good	?				?				
Poland	1,400-1,600	13	2011	medium	?				+	75-80	1981-2011	medium	Central & Eastern Europe/Sub-Saharan Africa
Portugal	90-140	1	2008-2012	medium	0	0	2001-2012	medium	+		1980-2012	medium	South-west Europe/West Africa
Romania	415-800	5	2001-2013	poor	?				?				Central & Eastern Europe/Sub-Saharan Africa
Russia	450-750	5	2000-2010	poor	+	5-20	2000-2012	poor	0	0	1980-2012	poor	
Serbia	135-170	1	2008-2012	good	0	0	2000-2012	medium	0	0	1980-2012	medium	
Slovakia	400-600	4	2002	medium	-	1-25	2000-2012	medium	0	1-25	1980-2012	medium	Central & Eastern Europe/Sub-Saharan Africa
Slovenia	40-60	<1	2008-2012	medium	0	0	2001-2012	medium	+	100-300	1980-2012	poor	Central & Eastern Europe/Sub-Saharan Africa
Spain	387	3	1998-2002	good	0	0	2000-2012	medium	+		1980-2012	medium	South-west Europe/West Africa
Turkey	1,000-2,000	12	2013	poor	0	0	2000-2012	poor	?				

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**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	
Ukraine	900-1,100	9	2000	medium	F	5-10	2001-2012	medium	F	20-30	1980-2012	medium	
EU27	6,000-7,700	58			Increasing								
Europe	9,800-13,900	100			Increasing								

<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.

## 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  |

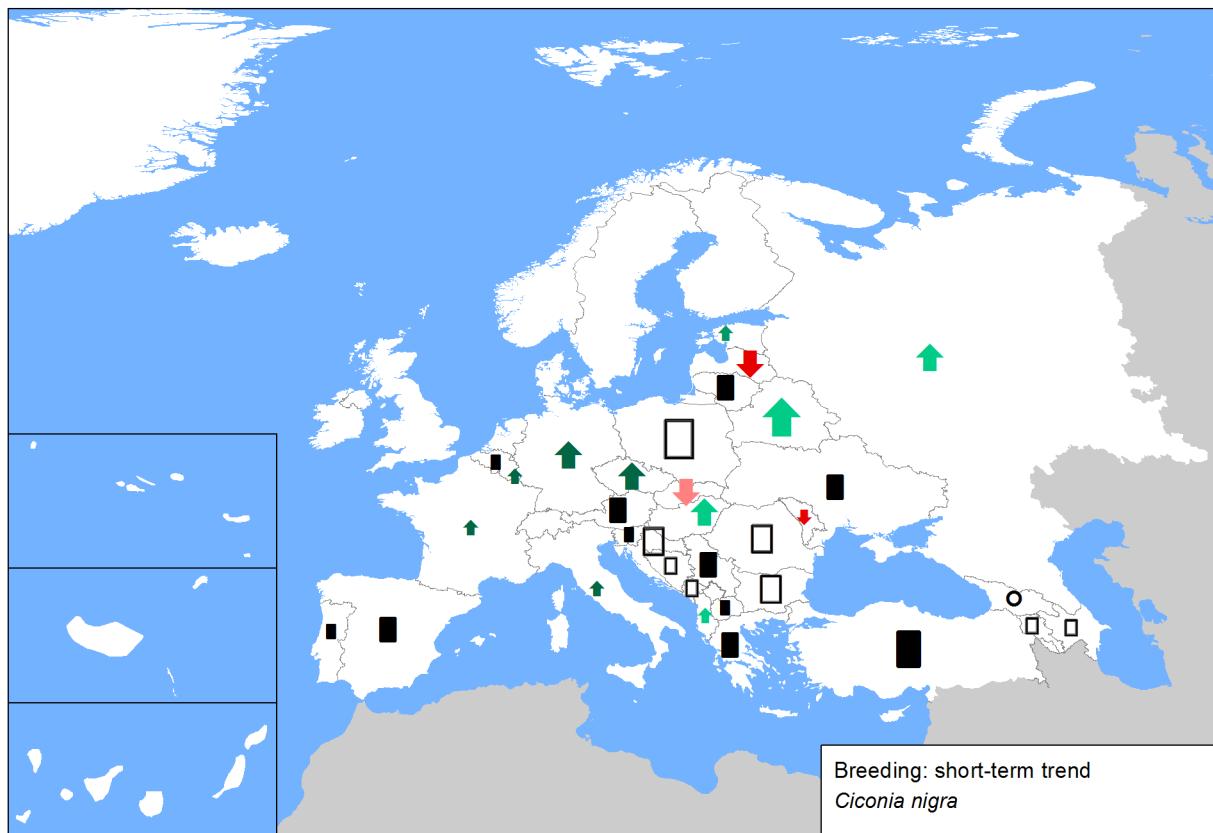
- Stable or fluctuating
- Unknown
- Present (no population or trend data)
- ✗ Extinct since 1980

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.

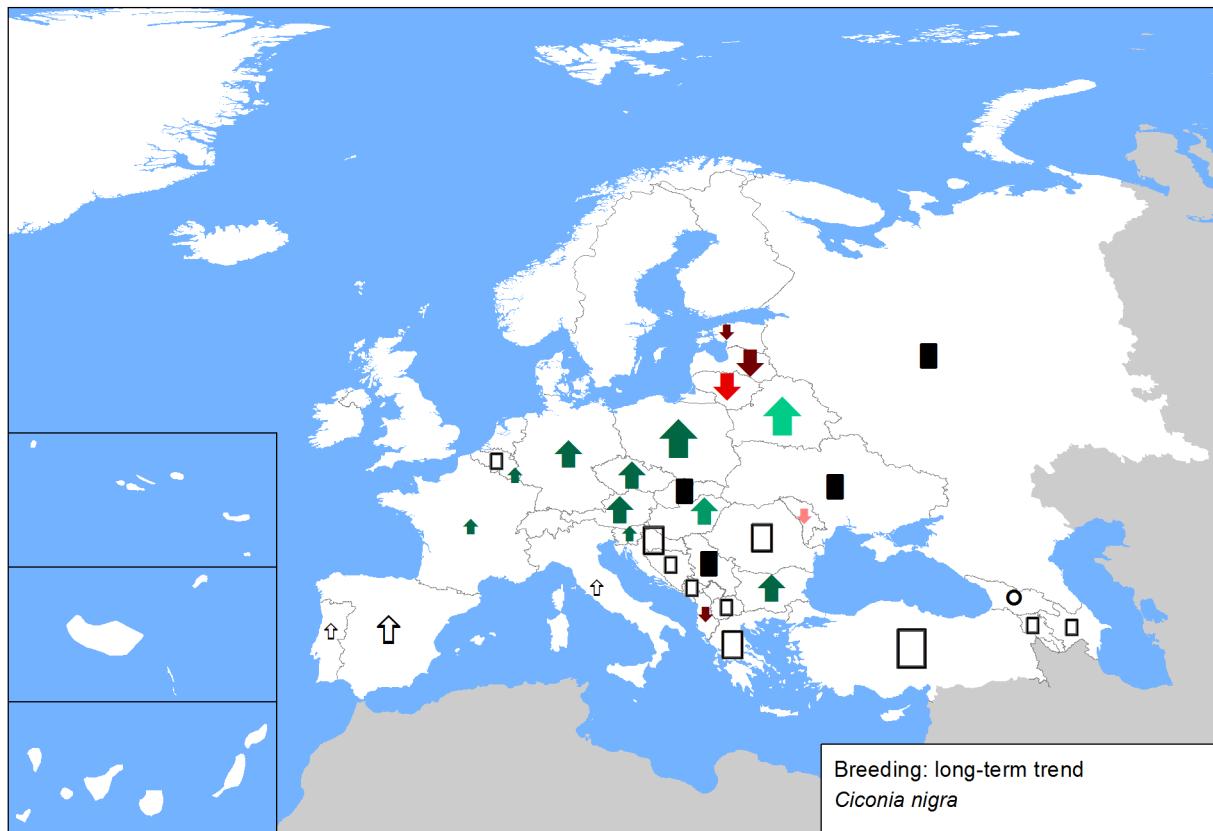
- ↑ Large:  $\geq 10\%$  of the European population
- ↑ Medium: 1–9% of the European population
- ↑ Small: <1% of the European population

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.



## *Ciconia nigra* (Black Stork)

# Sources

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Breeding population size: Bino pers. obs.

Breeding short-term trend: Bino pers. obs.

Breeding long-term trend: Bino pers. obs.

### Armenia

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### Austria: Central & Eastern Europe/Sub-Saharan Africa

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

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## *Ciconia nigra* (Black Stork)

### Estonia: Central & Eastern Europe/Sub-Saharan Africa

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### Poland: Central & Eastern Europe/Sub-Saharan Africa

**Breeding population size:** Zielinski P., Profus P., Czuchnowski R. 2011. Present situation of the Black Stork (*Ciconia nigra*) in Poland. Programme and Abstracts 8th Conference of the European Ornithologists' Union. Latvian Ornithological Society. Riga: 418 ; National expert: Piotr Zielinski: pziel@biol.uni.lodz.pl Department of Ecology and Vertebrate Zoology, University of Lodz, Banacha 12/16, 90–237 Lodz, Poland;

**Breeding short-term trend:** MPD: Cenian Z., Chodkiewicz T. 2012. Monitoring Ptaków Drapieżnych. In: Podsumowanie sezonu lęgowego Monitoringu Ptaków Polski w 2012 r. OTOP, MiłZ, KOO, SOS: 79-88 (source: [http://monitoringptakow.gios.gov.pl/raporty?file=files/pliki/raporty\\_faza4/RaportMPP4\\_etape1\\_zad2%264\\_wiosna2012.pdf](http://monitoringptakow.gios.gov.pl/raporty?file=files/pliki/raporty_faza4/RaportMPP4_etape1_zad2%264_wiosna2012.pdf))

**Breeding long-term trend:** Zielinski P., Profus P., Czuchnowski R. 2011. Present situation of the Black Stork (*Ciconia nigra*) in Poland. Programme and Abstracts 8th Conference of the European Ornithologists' Union. Latvian Ornithological Society. Riga: 418; Keller M., Profus P. 1992. Present situation, reproduction and food of Black Stork in Poland. In: Meriaux J.-L., Schierer A., Tombal Ch., Tombal J.-Ch. (eds). Les cigognes d'Europe. ss. 227-236

### Portugal: South-west Europe/West Africa

**Breeding population size:** Equipa Atlas (2008). Atlas das Aves Nidificantes em Portugal (1999-2005). Instituto da Conservação da Natureza e da Biodiversidade, Sociedade Portuguesa para o Estudo das Aves, Parque Natural da Madeira e Secretaria Regional do Ambiente e do Mar. Assírio e Alvim. Lisboa

**Breeding short-term trend:** Equipa Atlas (2008). Atlas das Aves Nidificantes em Portugal (1999-2005). Instituto da Conservação da Natureza e da Biodiversidade, Sociedade Portuguesa para o Estudo das Aves, Parque Natural da Madeira e Secretaria Regional do Ambiente e do Mar. Assírio e Alvim. Lisboa; Informação Carlos Pacheco

**Breeding long-term trend:** "Rufino R (coord.) (1989). Atlas das aves nidificantes em Portugal Continental. Serviço Nacional de Parques, Reservas e Conservação da Natureza. Lisboa; Equipa Atlas (2008). Atlas das Aves Nidificantes em Portugal (1999-2005). Instituto da Conservação da Natureza e da Biodiversidade, Sociedade Portuguesa para o Estudo das Aves, Parque Natural da Madeira e Secretaria Regional do Ambiente e do Mar. Assírio e Alvim. Lisboa ; Informação Carlos Pacheco"

### Romania: Central & Eastern Europe/Sub-Saharan Africa

**Breeding population size:** National Raptor Census 2005-2007 National Raptor Census 2013 Kovács I., Barbos L., Bóné G.M., Darócz J. Sz., Kis R.B., Komáromi I., Latkova H., Marton A., Papp T., Zeitz R. (2013): - Evaluarea pasarilor de interes comunitar în zona Hârtibaciu - Târnava Mare - Olt. - Raport realizat pentru Asociația WWF Programul Dunare Carpați România. Asociația "Grupul Milvus", Târgu Mureș.,

### Russia

**Breeding population size:** Artjukhov A.I., Fedotov Yu.P. 2004. Black Stork. – In: Fedotov Yu.P. (ed.-in-chief). Red Data Book of Bryansk Region. Bryansk, ZAO Chitaj-gorod: 68-69 (in Russian). Ivanchev V.P., Nazarov I.P. 2011. Black Stork. P. 68. In: Ivanchev V.P. and Kazakova M.V. (eds.). Red Data Book of Ryazan Region, Ryazan (in Russian). Priklonsky S.G. 2011. Black Stork. – In: Priklonskiy S.G., Zubakin V.A., Koblik E.A. (eds.). Birds of Russia and adjacent regions. Pelecaniformes, Ciconiiformes, Phoenicopteriformes. Moscow, KMK: 369-384 (in Russian). Sukhanova O.V. Black Stork. Red Data Book of Novgorod Region. In press. Belik V.P. 2005. Cadastre of breeding avifauna of South Russia. - Strepet 3, no. 1-2: 5-37 (in Russian). Mischenko A.L. 2008. Recent condition of rare species of waterfowl and Ciconiiformes in Non-Chernozem Centre of Russia. - Rare bird species of Non-Chernozem Centre of Russia. Proc. of IIIth Conference. Moscow: 20-26 (in Russian).

**Breeding short-term trend:** Ivanchev V.P., Nazarov I.P. 2011. Black Stork. P. 68. In: Ivanchev V.P. and Kazakova M.V. (eds.). Red Data Book of Ryazan Region, Ryazan (in Russian). Khohlov A.N., Ilykh M.P. 2005. Changes of fauna, populations and ecology of birds in Stavropol Territory during last 10 years. Strepet 3, issue 1-2: 38-50 (in Russian). Grishanov G.V. 2010. Black Stork. - Dedkov V.P., Grishanov G.I. (eds.) Red Data Book of Kaliningrad Region. Kaliningrad: 37 (in Russian). Belik V.P., unpublished. vpbelik@mail.ru

**Breeding long-term trend:** Priklonsky S.G. 2011. Black Stork. – In: Priklonskiy S.G., Zubakin V.A., Koblik E.A. (eds.). Birds of Russia and adjacent regions. Pelecaniformes, Ciconiiformes, Phoenicopteriformes. Moscow, KMK: 369-384 (in Russian). Mischenko A.L. 2008. Recent condition of rare species of waterfowl and Ciconiiformes in Non-Chernozem Centre of Russia. - Rare bird species of Non-Chernozem Centre of Russia. Proc. of IIIth Conference. Moscow: 20-26 (in Russian).

### Serbia

**Breeding population size:** BPSSS (2014) Unpublished data

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

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

## *Ciconia nigra* (Black Stork)

### Slovakia: Central & Eastern Europe/Sub-Saharan Africa

**Breeding population size:** Danko Š, Pčola Š: Vtáctvo Vihorlatských vrchov a ich predhorí, Správa CHKO Vihorlat, 2008; Danko Š a kol.: Vtáctvo Slanských vrchov, SOS/BirdLife Slovensko 2010, Fulín M.: Databáza spätných hlásení získaná počas monitoringu hniezdenia bociana bieleho, Danko Štefan, Darolová Alžbeta, Krištín Anton: Rozšírenie vtákov na Slovensku. VEDA, vyd. SAV Bratislava, 2002.

**Breeding short-term trend:** Danko Š, Pčola Š: Vtáctvo Vihorlatských vrchov a ich predhorí, Správa CHKO Vihorlat, 2008; Danko Š a kol.: Vtáctvo Slanských vrchov, SOS/BirdLife Slovensko 2010, Fulín M.: Databáza spätných hlásení získaná počas monitoringu hniezdenia bociana bieleho, Danko Štefan, Darolová Alžbeta, Krištín Anton: Rozšírenie vtákov na Slovensku. VEDA, vyd. SAV Bratislava, 2002. Karaska, D.

**Breeding long-term trend:** Danko Š, Pčola Š: Vtáctvo Vihorlatských vrchov a ich predhorí, Správa CHKO Vihorlat, 2008; Danko Š a kol.: Vtáctvo Slanských vrchov, SOS/BirdLife Slovensko 2010, Fulín M.: Databáza spätných hlásení získaná počas monitoringu hniezdenia bociana bieleho, Danko Štefan, Darolová Alžbeta, Krištín Anton: Rozšírenie vtákov na Slovensku. VEDA, vyd. SAV Bratislava, 2002. Karaska, D.

### Slovenia: Central & Eastern Europe/Sub-Saharan Africa

**Breeding population size:** Denac, K., T. Mihelič, L. Božič, P. Kmecl, T. Jančar, J. Figelj & B. Rubinić (2011): Strokovni predlog za revizijo posebnih območij varstva (SPA) z uporabo najnovejših kriterijev za določitev mednarodno pomembnih območij za ptice (IBA). Končno poročilo (dopolnjena verzija). Naročnik: Ministrstvo za okolje in prostor. DOPPS – BirdLife, Ljubljana.

**Breeding short-term trend:** DOPPS

**Breeding long-term trend:** GEISTER, I. (1995): Ornitoloski atlas Slovenije. Razširjenost gnezdk. – DZS, Ljubljana.

### Spain: South-west Europe/West Africa

**Breeding population size:** 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-nacional-de-biodiversidad/feet\\_aves\\_atlas.aspx](http://www.magrama.gob.es/es/biodiversidad/temas/inventarios-nacionales/inventario-nacional-de-biodiversidad/feet_aves_atlas.aspx)

**Breeding short-term trend:** Cano Alonso, L. S. (2012). Cigüeña negra – *Ciconia nigra*. En: Enciclopedia Virtual de los Vertebrados Españoles. Salvador, A., Morales, M. B. (Eds.). Museo Nacional de Ciencias Naturales, Madrid. <http://www.vertebradosibericos.org/> ENCICLOPEDIA VIRTUAL DE LOS VERTEBRADOS ESPAÑOLES

**Breeding long-term trend:** Cano Alonso, L. S. (2012). Cigüeña negra – *Ciconia nigra*. En: Enciclopedia Virtual de los Vertebrados Españoles. Salvador, A., Morales, M. B. (Eds.). Museo Nacional de Ciencias Naturales, Madrid. <http://www.vertebradosibericos.org/> ENCICLOPEDIA VIRTUAL DE LOS VERTEBRADOS ESPAÑOLES

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**Breeding population size:** Zeynel Arslangündogdu personal communication. Eken G., Bozdoğan M., İsfendiyaroğlu S., Kılıç D.T., Lise Y. (2006) Türkiye'nin Önemli Doğa Alanları. Doğa Derneği, Ankara. [www.kusbanks.org](http://www.kusbanks.org) Kirwan G.M., Boyla K. A., Castell P., Demirci B., Özén M., Welch H., Marlow T., 2008, Birds of Turkey. Londra, Christopher Helm, 978-1-4081-0475-

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

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### 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. Hagemeijer 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. Hagemeijer/ 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. Горбань И.М. Численность черного аиста на западе Украины // Аисты: распространение, экология, охрана. Минск, 1990. С. 204-205.

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