



THE IUCN RED LIST
OF THREATENED SPECIES™



Ciconia ciconia (White 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).

Contents

| | |
|---|-------|
| Reported national population sizes and trends | p. 2 |
| Trend maps of reported national population data | p. 4 |
| Sources of reported national population data | p. 6 |
| Species factsheet bibliography | p. 11 |

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.

Ciconia ciconia (White Stork)

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

| Country (or territory) ² | Population estimate | | | | Short-term population trend ⁴ | | | | Long-term population trend ⁴ | | | | Subspecific population (where relevant) |
|-------------------------------------|---------------------------|------------|-----------|---------|--|----------------------------|-----------|---------|---|----------------------------|-----------|---------|--|
| | Size (pairs) ³ | Europe (%) | Year(s) | Quality | Direction ⁵ | Magnitude (%) ⁶ | Year(s) | Quality | Direction ⁵ | Magnitude (%) ⁶ | Year(s) | Quality | |
| Albania | 5-10 | <1 | 2002-2012 | good | - | 30-50 | 2002-2012 | good | - | 70-80 | 1980-2012 | poor | |
| Armenia | 600-800 | <1 | 2002-2012 | good | ? | | | | ? | | | | |
| Austria | 330-350 | <1 | 2008-2012 | good | - | 10-15 | 2001-2012 | good | 0 | 0 | 1980-2012 | good | C. c. ciconia, Central & Eastern Europe/Sub-Saharan Africa |
| Azerbaijan | 1,000-5,000 | 1 | 1996-2000 | poor | ? | | | | ? | | | | |
| Belarus | 21,300-21,500 | 9 | 2004-2005 | good | + | 62-107 | 2001-2012 | medium | + | 65-103 | 1980-2012 | medium | |
| Belgium | 3-5 | <1 | 2008-2012 | medium | - | 88-93 | 2000-2012 | good | + | 200-400 | 1973-2012 | good | C. c. ciconia, W Europe & North-west Africa/Sub-Saharan Africa |
| Bosnia & HG | 50-70 | <1 | 2010-2014 | poor | 0 | 0 | 2001-2012 | medium | ? | | | | |
| Bulgaria | 4,900-5,200 | 2 | 2004-2012 | good | + | 15-17 | 2001-2012 | good | - | 49-56 | 1980-2012 | good | C. c. ciconia, Central & Eastern Europe/Sub-Saharan Africa |
| Croatia | 1,100-1,300 | 1 | 2013 | good | 0 | 0 | 2001-2012 | good | 0 | 0 | 1980-2012 | medium | |
| Czech Rep. | 931-954 | <1 | 2001-2003 | good | + | 100-110 | 2000-2012 | medium | + | 39-57 | 1980-2012 | medium | C. c. ciconia, Central & Eastern Europe/Sub-Saharan Africa |
| Denmark | 1 | <1 | 2011 | good | - | 50-100 | 1999-2011 | medium | - | 50-100 | 1980-2011 | medium | C. c. ciconia, Central & Eastern Europe/Sub-Saharan Africa |
| Estonia | 4,000-5,000 | 2 | 2008-2012 | medium | + | 20-50 | 2001-2012 | medium | + | 50-70 | 1980-2012 | medium | C. c. ciconia, Central & Eastern Europe/Sub-Saharan Africa |
| France | 1,300-1,900 | 1 | 2007-2011 | good | + | 175-200 | 2000-2011 | good | + | 5000-5500 | 1980-2011 | good | C. c. ciconia, W Europe & North-west Africa/Sub-Saharan Africa |
| Georgia | 60 | <1 | 1996 | medium | ? | | | | ? | | | | |
| Germany | 1,300-1,400 | 1 | 2005-2009 | good | F | 0 | 1998-2009 | good | + | 17-99 | 1985-2009 | good | C. c. ciconia, W Europe & North-west Africa/Sub-Saharan Africa |
| Germany | 2,900-3,200 | 1 | 2005-2009 | good | - | 35-59 | 1998-2009 | good | + | 8-34 | 1985-2009 | good | C. c. ciconia, Central & Eastern Europe/Sub-Saharan Africa |
| Greece | 2,000 | 1 | 2004 | good | - | 10-20 | 2001-2012 | poor | - | 10-20 | 1980-2012 | poor | C. c. ciconia, Central & Eastern Europe/Sub-Saharan Africa |
| Hungary | 5,000-5,500 | 2 | 2000-2012 | good | 0 | 0 | 2000-2012 | good | 0 | 0 | 1980-2012 | good | C. c. ciconia, Central & Eastern Europe/Sub-Saharan Africa |
| Italy | 150-200 | <1 | 2013 | medium | + | 200-235 | 1999-2013 | medium | + | | 1980-2013 | medium | C. c. ciconia, W Europe & North-west Africa/Sub-Saharan Africa |
| Kosovo | 39-45 | <1 | 2009-2014 | medium | ? | | | | ? | | | | |
| Latvia | 10,000 | 4 | 2012 | medium | 0 | 0 | 2001-2012 | good | + | 54-67 | 1980-2012 | good | C. c. ciconia, Central & Eastern Europe/Sub-Saharan Africa |
| Liechtenstein | 2-6 | <1 | 2009-2014 | good | + | 100-500 | 2007-2014 | good | ? | | | | |

Ciconia ciconia (White Stork)

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 | |
| Lithuania | 19,500-20,500 | 9 | 2009-2010 | good | + | 56-64 | 2001-2012 | medium | + | 170-190 | 1980-2012 | good | C. c. ciconia, Central & Eastern Europe/Sub-Saharan Africa |
| FYRO Macedonia | 750-1,000 | <1 | 2007-2012 | medium | + | 10-30 | 2000-2012 | medium | ? | | | | |
| Moldova | 400-600 | <1 | 2000-2010 | medium | 0 | 0 | 2000-2010 | medium | F | 0 | 1980-2010 | medium | |
| Montenegro | 1 | <1 | 2002-2012 | good | 0 | 0 | 2002-2012 | good | ? | | | | |
| Netherlands | 690-850 | <1 | 2008-2011 | good | + | 87-113 | 2002-2011 | good | + | 6125-9103 | 1980-2011 | good | C. c. ciconia, W Europe & North-west Africa/Sub-Saharan Africa |
| Poland | 51,700-53,900 | 23 | 2010-2012 | good | 0 | 0 | 2001-2012 | good | + | 70-80 | 1984-2012 | medium | C. c. ciconia, Central & Eastern Europe/Sub-Saharan Africa |
| Portugal | 10,000-12,000 | 5 | 2008-2012 | medium | + | 30-60 | 2001-2012 | good | + | 400-500 | 1980-2012 | medium | C. c. ciconia, W Europe & North-west Africa/Sub-Saharan Africa |
| Romania | 5,000-6,000 | 2 | 2004-2005 | good | + | 4-6 | 1995-2005 | medium | + | 8-12 | 1980-2012 | medium | C. c. ciconia, Central & Eastern Europe/Sub-Saharan Africa |
| Russia | 10,200 | 4 | 2004-2005 | good | + | 5-30 | 2000-2012 | poor | + | 70-150 | 1980-2012 | good | |
| Serbia | 1,220-1,370 | 1 | 2008-2012 | good | 0 | 0 | 2000-2012 | medium | 0 | 0 | 1980-2012 | medium | |
| Slovakia | 1,100-1,300 | 1 | 2011-2012 | good | - | 6 | 2000-2012 | good | - | 0-10 | 1980-2012 | good | C. c. ciconia, Central & Eastern Europe/Sub-Saharan Africa |
| Slovenia | 204-239 | <1 | 2008-2012 | good | 0 | 21 | 2001-2012 | good | + | 42 | 1980-2012 | medium | C. c. ciconia, Central & Eastern Europe/Sub-Saharan Africa |
| Spain | 33,217 | 14 | 2004 | good | + | 60 | 1998-2012 | good | + | 100 | 1980-2012 | good | C. c. ciconia, W Europe & North-west Africa/Sub-Saharan Africa |
| Sweden | 0 | <1 | 2008-2012 | good | 0 | 0 | 2001-2012 | good | + | | 1989-2012 | good | C. c. ciconia, Central & Eastern Europe/Sub-Saharan Africa |
| Switzerland | 325 | <1 | 2012 | good | + | 73-79 | 2001-2012 | good | + | 251-424 | 1980-2012 | good | |
| Turkey | 6,195-9,000 | 3 | 2005 | medium | - | 20-29 | 2000-2012 | good | 0 | 0-19 | 1990-2013 | poor | |
| Ukraine | 26,200-32,400 | 12 | 2000 | medium | F | 5-10 | 2001-2012 | medium | F | 10-20 | 1980-2012 | medium | |
| EU27 | 154,000-164,000 | 68 | | | Increasing | | | | | | | | |
| Europe | 224,000-247,000 | 100 | | | Increasing | | | | | | | | |

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.

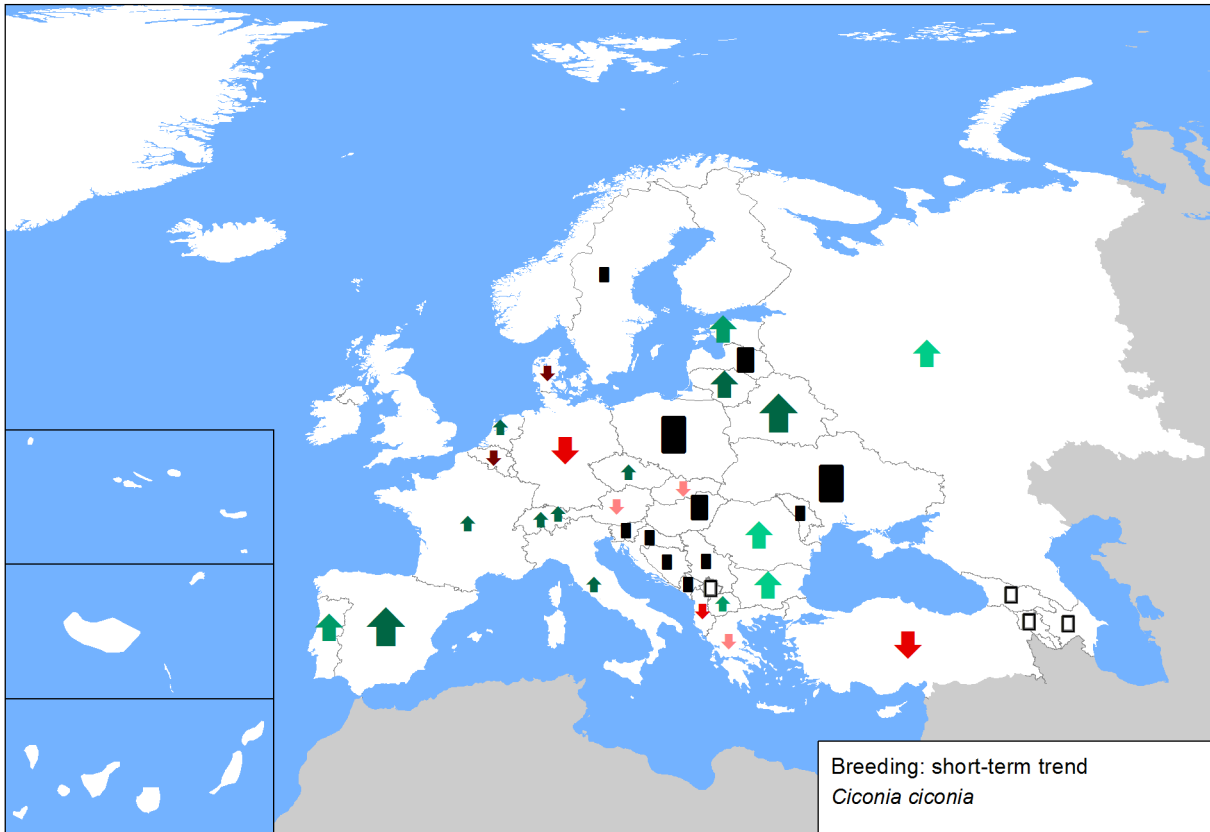
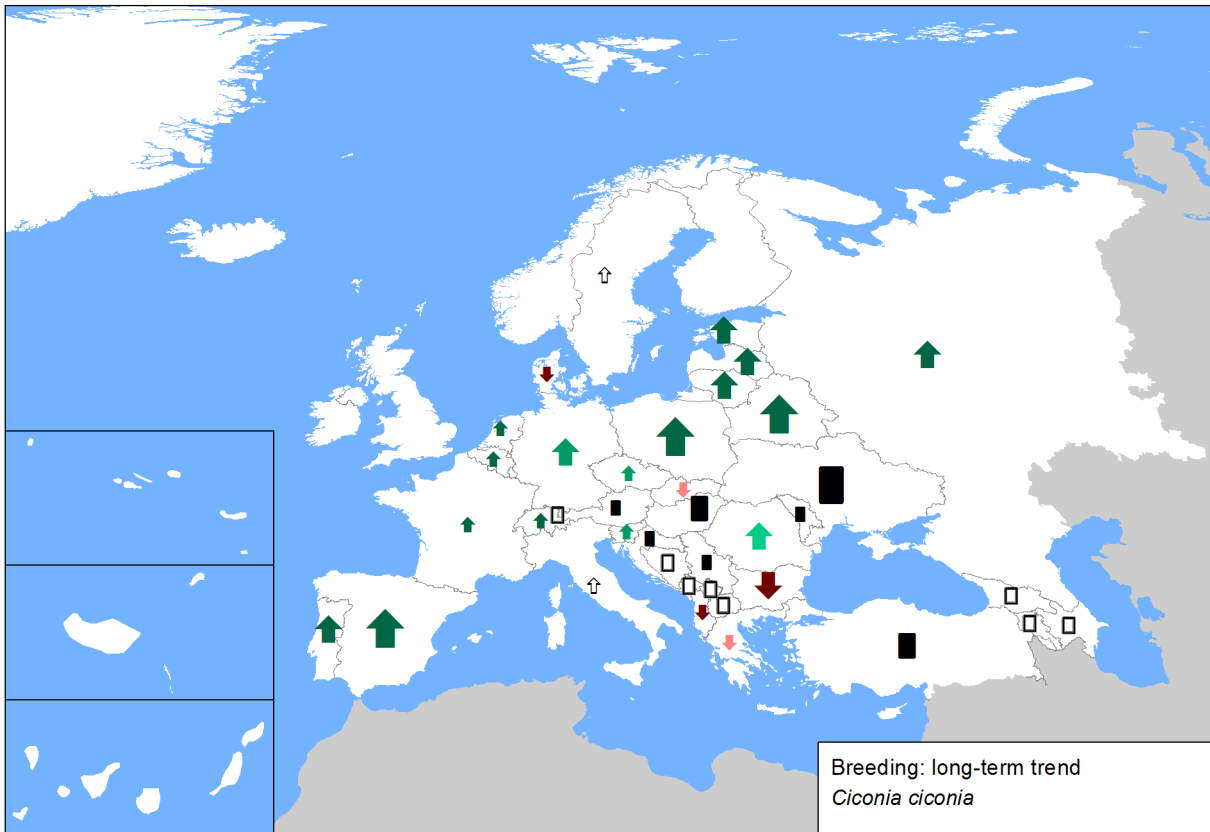


Figure 2. Breeding population sizes and long-term trends across Europe.



Ciconia ciconia (White Stork)

Sources

Albania

| |
|---|
| Breeding population size: Bego pers. Obs. |
| Breeding short-term trend: Bino pers. obs. |
| Breeding long-term trend: Bino pers. obs. |

Armenia

| |
|--|
| Breeding population size: AGHABABYAN, K.; KOCHINYAN, M.; LYMAN, J. C. & L. STEPANYAN (2013). White Storks (<i>Ciconia ciconia</i> L.) in Armenia: population, trend, and relationships to humans. In: NABU (2013). White Stork populations across the world – Results of the 6th International White Stork Census 2004/05. Berlin; ASPB data |
|--|

Austria: *C. c. ciconia*, Central & Eastern Europe/Sub-Saharan Africa

| |
|--|
| Breeding population size: BirdLife Austria, results of the yearly national White Stork monitoring scheme |
| Breeding short-term trend: BirdLife Austria, results of the yearly national White Stork monitoring scheme |
| Breeding long-term trend: BirdLife Austria, results of the yearly national White Stork monitoring scheme |

Azerbaijan

| |
|--|
| Breeding population size: BirdLife International 2004 |
|--|

Belarus

| |
|--|
| Breeding population size: Samusenko, I. (2013). The breeding population of the White Stork in Belarus in 2004-2005 – Results of the 6th International White Stork Census. In: NABU (2013). White Stork populations across the world – Results of the 6th International White Stork Census 2004/05. Berlin. (Imprint) |
| Breeding short-term trend: Samusenko I.E. Results of 20th years monitoring of White Stork <i>Ciconia ciconia</i> in Pripyat river floodplain // "Zoological chtenia": proceeding of Intern. scientific-practical conf. dedicated to the memory of prof. I.K. Lopatin, Grodno, 14-16 March 2013. Grodno, 2013: 265-268. Samusenko, I. (2013). The breeding population of the White Stork in Belarus in 2004-2005 – Results of the 6th International White Stork Census. In: NABU (2013). White Stork populations across the world – Results of the 6th International White Stork Census 2004/05. Berlin. (Imprint) |
| Breeding long-term trend: Samusenko I.E. Results of 20th years monitoring of White Stork <i>Ciconia ciconia</i> in Pripyat river floodplain // "Zoological chtenia": proceeding of Intern. scientific-practical conf. dedicated to the memory of prof. I.K. Lopatin, Grodno, 14-16 March 2013. Grodno, 2013: 265-268. (in Russian) |

Belgium: *C. c. ciconia*, W Europe & North-west Africa/Sub-Saharan Africa

| |
|--|
| Breeding population size: Database Rare and less common Breeding Birds, INBO (coord. A.Anselin), selected data Waarnemingen.be, compilation of data and enquiries in ornithological community |
| Breeding short-term trend: Rare bird panel |
| Breeding long-term trend: Comparison between 2008-2012 estimate and Devillers, 1989 (Atlas of the Belgian Breeding Bird) population estimate |

Bosnia and Herzegovina

| |
|---|
| Breeding population size: Kotrošan, D., Dročić, N., Trbojević, S., Šimić, E., Dervović, I., 2012: Program IBA, Međunarodno značajna područja za ptice, u Bosni i Hercegovini. Ornitološko društvo "Naše ptice", interno izdanje za projekat "Evaluacija IBA područja u FBiH", Sarajevo |
| Breeding short-term trend: Kotrošan, D. 2005: Prvi rezultati praćenja gniježđenja bijele rode (<i>Ciconia ciconia</i>) u Bosni i Hercegovini. Bilten Mreže posmatrača ptica u Bosni i Hercegovini, 1(1): 12-18. Kotrošan, D., Dervović, I., Mulaomerović, J., 2006: Gniježđenja bijele rode (<i>Ciconia ciconia</i>) na području Bosne i Hercegovine u 2006. godini. Bilten Mreže posmatrača ptica u Bosni i Hercegovini, 2(2): 3-8. |

Bulgaria: *C. c. ciconia*, Central & Eastern Europe/Sub-Saharan Africa

| |
|---|
| Breeding population size: Iankov, P. (ed.) 2007. Atlas of breeding birds in Bulgaria. Bulgarian Society for the Protection of Birds, Conservation Series, Book 10. Sofia, BSPB. Petrov, Ts. (ed.) 2007. The White Stork (<i>Ciconia ciconia</i>) in Bulgaria, II. Bulgarian Society for the protection of Birds, Conservation Series, Book 12, BSPB, Plovdiv. BSPB Bird Database |
| Breeding short-term trend: Iankov, P. (ed.) 2007. Atlas of breeding birds in Bulgaria. Bulgarian Society for the Protection of Birds, Conservation Series, Book 10. Sofia, BSPB. Petrov, Ts. (ed.) 2007. The White Stork (<i>Ciconia ciconia</i>) in Bulgaria, II. Bulgarian Society for the protection of Birds, Conservation Series, Book 12, BSPB, Plovdiv. BSPB Bird Database Population trend estimate is a comparison for the period 1994/95 - 2004/2005 coinciding with the two international white stork censuses. |
| Breeding long-term trend: Iankov, P. (ed.) 2007. Atlas of breeding birds in Bulgaria. Bulgarian Society for the Protection of Birds, Conservation Series, Book 10. Sofia, BSPB. Petrov, Ts. (ed.) 2007. The White Stork (<i>Ciconia ciconia</i>) in Bulgaria, II. Bulgarian Society for the protection of Birds, Conservation Series, Book 12, BSPB, Plovdiv. Petrov, Ts. (ed.) 1997. The White Stork (<i>Ciconia ciconia</i>) in Bulgaria, I. Bulgarian Society for the protection of Birds, Conservation Series, Book 2, BSPB, Plovdiv. Michev, T., L. Stoyanova. 1986. Breeding Distribution and Numbers of the White Stork (<i>Ciconia ciconia</i> L., 1758) in Bulgaria. – Ecology (BAS), 18: 17-26. BSPB Bird Database Population trend estimate is a comparison between the periods of the national white stork census, the first being in 1961, second in 1979, third in 1984, fourth in 1994/95, fifth in 2004/2005 (the last census). http://bspb.org/monitoring/bg/product-view/2/13.html |

Croatia

| |
|--|
| Breeding population size: Zavod za ornitologiju (Sanja Barišić, Davor Čiković, Jelena Kralj, Goran Sušić, Vesna Tutiš), Dragan Radović, Ivan Budinski, Robert Crković, 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 |
| Breeding short-term trend: BiE III Work group, Croatia |
| Breeding long-term trend: BiE III Work group, Croatia |

Czech Republic: *C. c. ciconia*, Central & Eastern Europe/Sub-Saharan Africa

| |
|---|
| Breeding population size: STASTNY K., BEJCEK V. & HUDEC K. 2006: Atlas hnízdního rozšíření ptaku v České republice. Aventinum Praha. |
|---|

Ciconia ciconia (White Stork)

Czech Republic: *C. c. ciconia*, Central & Eastern Europe/Sub-Saharan Africa

Breeding short-term trend: HORA J., BRINKE B., VOJTECHOVSKA E., HANZAL V. & KUCERA Z. (eds.) 2010: Monitoring druhu přílohy I směrnice o ptacích a ptacích oblasti v letech 2005-2007. AOPK Praha HORA J., KLOUBEC B. & KUCERA Z. inpress: Monitoring druhu přílohy I směrnice o ptacích a ptacích oblasti v letech 2008-2010. AOPK CR

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

Denmark: *C. c. ciconia*, Central & Eastern Europe/Sub-Saharan Africa

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 Ornitologisk Forening. Nyegaard, T. & M.B. Grell (2009): Truede og sjældne ynglefugle i Danmark 2008. Dansk Ornitologisk Forening. Nyegaard, T. & M.B. Grell (2008): Truede og sjældne ynglefugle i Danmark 2007. Dansk Ornitologisk Forening. Nyegaard, T. & M.B. Grell (2007): Truede og sjældne ynglefugle i Danmark 2006. Dansk Ornitologisk 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., Tofft, J. & T. Vikstrøm (2004): Truede og sjældne ynglefugle i Danmark 1998-2003. Midtvejsrapport fra Dansk Ornitologisk 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 Ornitologisk Forening. Nyegaard, T. & M.B. Grell (2009): Truede og sjældne ynglefugle i Danmark 2008. Dansk Ornitologisk Forening. Nyegaard, T. & M.B. Grell (2008): Truede og sjældne ynglefugle i Danmark 2007. Dansk Ornitologisk Forening. Nyegaard, T. & M.B. Grell (2007): Truede og sjældne ynglefugle i Danmark 2006. Dansk Ornitologisk 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., Tofft, J. & T. Vikstrøm (2004): Truede og sjældne ynglefugle i Danmark 1998-2003. Midtvejsrapport fra Dansk Ornitologisk Forenings Arbejdsgruppe for Truede og Sjældne Ynglefugle (DATSY). DOFT 98: 45-100. Grell, Michael Borch (1998): Fuglenes Danmark. Gads forlag i samarbejde med Dansk Ornitologisk Forening. Sørensen, Uffe Gjøel (1995): Rare and endangered breeding birds in Denmark, 1976-1991. DOFT 89: 1-48.

Estonia: *C. c. ciconia*, Central & Eastern Europe/Sub-Saharan Africa

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

France: *C. c. ciconia*, W Europe & North-west Africa/Sub-Saharan Africa

Breeding population size: Dupuis, V. & coordinateurs espèces 2012 Les Oiseaux nicheurs rares & menacés en 2011, p. 289-325

Breeding short-term trend: Dupuis, V. & coordinateurs espèces 2012 Les Oiseaux nicheurs rares & menacés en 2011, p. 289-325

Breeding long-term trend: Dupuis, V. & coordinateurs espèces 2012 Les Oiseaux nicheurs rares & menacés en 2011, p. 289-325

Georgia

Breeding population size: Gavashelishvili, A. 1998. The 1996 Census of White Storks in Georgia. BWP Update/Sympos. Proc. Hamburg. (in English)

Germany: *C. c. ciconia*, Central & Eastern Europe/Sub-Saharan Africa

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

Breeding short-term trend: Monitoring seltener Brutvögel

Breeding long-term trend: Monitoring seltener Brutvögel

Germany: *C. c. ciconia*, W Europe & North-west Africa/Sub-Saharan Africa

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

Breeding short-term trend: Monitoring seltener Brutvögel

Breeding long-term trend: Monitoring seltener Brutvögel

Greece: *C. c. ciconia*, Central & Eastern Europe/Sub-Saharan Africa

Breeding population size: Handrinos, G., 2009. White Stork. In: Legakis, A. & P. Maragou (eds.). The Greek Red Data Book. Hellenic Zoological Society.

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

Breeding long-term trend: Tucker, G.M. & Heath, M.F. 1994. Birds in Europe: their conservation status. Cambridge, U.K.: BirdLife International (BirdLife Conservation Series no. 3)

Hungary: *C. c. ciconia*, Central & Eastern Europe/Sub-Saharan Africa

Breeding population size: Lovászi, P., Nagy, K. & Lendvai, Cs. (2013): Results of the White Stork Census in Hungary in 2004. In: NABU (2013): White Stork populations cross the word – Results of the 6th International White Stork Census 2004/05. Berlin. Lovászi, P. és Nagy, K. (2013): A fehér gólya és védelme. Nimfea Természeti Védelmi Egyesület, Túrkeve. p. 32. MME White Stork Nest Database (golya.mme.hu)

Breeding short-term trend: Lovászi, P., Nagy, K. & Lendvai, Cs. (2013): Results of the White Stork Census in Hungary in 2004. In: NABU (2013): White Stork populations cross the word – Results of the 6th International White Stork Census 2004/05. Berlin. MME White Stork Nest Database (golya.mme.hu)

Breeding long-term trend: Lovászi, P., Nagy, K. & Lendvai, Cs. (2013): Results of the White Stork Census in Hungary in 2004. In: NABU (2013): White Stork populations cross the word – Results of the 6th International White Stork Census 2004/05. Berlin. MME White Stork Nest Database (golya.mme.hu)

Ciconia ciconia (White Stork)

Italy: C. c. ciconia, W Europe & North-west Africa/Sub-Saharan Africa

| |
|--|
| Breeding population size: LIPU unpublished data |
| Breeding short-term trend: LIPU unpublished data Brichetti P & Fracasso G. 2013. Ornitologia italiana. Vol.8 (Sturnidae-Fringillidae). Alberto Perdisa Editore, Bologna |
| Breeding long-term trend: LIPU unpublished data Brichetti P & Fracasso G. 2013. Ornitologia italiana. Vol.8 (Sturnidae-Fringillidae). Alberto Perdisa Editore, Bologna |

Kosovo

| |
|---|
| Breeding population size: NGO "Finch" (2014) |
|---|

Latvia: C. c. ciconia, Central & Eastern Europe/Sub-Saharan Africa

| |
|---|
| Breeding population size: Mara Janaus: ornlab@latnet.lv |
| Breeding short-term trend: Aunins A. 2006. [Ensuring continuity and compatibility of bird monitoring data regarding changes in the Biodiversity monitoring section of the National Monitoring programme]. Aunins A. 2012. [Changes in the Abundance of Common Birds in Latvia during the Previous Seven Years]. Putni Dabā 2013/1, 10 - 13. Aunins A., Keišs O. 2012. [Monitoring for the Farmland Bird Population Index. Final report for the year 2012.]. Latvian Ornithological society, 47 pp. |
| Breeding long-term trend: Priednieks J., Strazds M., Strazds A., Petriņš A. 1989. Latvian Breeding Bird Atlas 1980-1984. Rīga: Zinatne. Mara Janaus: ornlab@latnet.lv |

Liechtenstein

| |
|---|
| Breeding population size: Willi, G. (2014) Unpublished collection data |
| Breeding short-term trend: Willi, G. (2014) Unpublished breeding survey data |

Lithuania: C. c. ciconia, Central & Eastern Europe/Sub-Saharan Africa

| |
|--|
| Breeding population size: Dagys M., D. Vaitkuvienė. 2013. Baltasis gendras Lietuvoje: lizdų atlasas. Gamtos tyrimų centras, Vilnius. 142 p. ("The White Stork in Lithuania: atlas of the nests", 2013) Mindaugas Dagys (dagys@ekoi.lt) |
| Breeding short-term trend: Dagys M., D. Vaitkuvienė. 2013. Baltasis gendras Lietuvoje: lizdų atlasas. Gamtos tyrimų centras, Vilnius. 142 p. ("The White Stork in Lithuania: atlas of the nests", 2013) Mindaugas Dagys (dagys@ekoi.lt) 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: Dagys M., D. Vaitkuvienė. 2013. Baltasis gendras Lietuvoje: lizdų atlasas. Gamtos tyrimų centras, Vilnius. 142 p. ("The White Stork in Lithuania: atlas of the nests", 2013) Mindaugas Dagys (dagys@ekoi.lt) Baltojo gandro (<i>Ciconia ciconia</i>) apsaugos planas (2013-07-05 Valstybės žinios, Nr. 72, Dok. Nr. 3616; https://www.e-tar.lt/portal/forms/legalAct.html?documentId=TAR.746F245E1C07) 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 atlasas. Kaunas: „Lututė“, 256 p. |

The Former Yugoslav Republic of Macedonia

| |
|---|
| Breeding population size: Veleviski, M., B. Hallmann, B. Grubač, T. Lisičanec, E. Stojnov, E. Lisičanec, V. Avukatov, L. Božič, and B. Stumberger. 2010. Important Bird Areas in Macedonia: Sites of Global and European Importance. <i>Acrocephalus</i> 31:181–282 Veleviski, M., K. Putilin, D. Uzunova, B. Stumberger, E. Lisičanec, B. Grubač, and V. Škorpiková. 2013. State of the birds of Macedonia 2012. Macedonian Ecological Society, Skopje. Unpublished data of Borut Stumberger and Metodija Veleviski |
| Breeding short-term trend: Štumberger, B., and M. Veleviski. 2002. White Stork <i>Ciconia ciconia</i> survey in Pelagonia indicates a decrease in its breeding population and colony disintegration. <i>Acrocephalus</i> 23:67–74 Veleviski, M., B. Hallmann, B. Grubač, T. Lisičanec, E. Stojnov, E. Lisičanec, V. Avukatov, L. Božič, and B. Stumberger. 2010. Important Bird Areas in Macedonia: Sites of Global and European Importance. <i>Acrocephalus</i> 31:181–282 Veleviski, M., K. Putilin, D. Uzunova, B. Stumberger, E. Lisičanec, B. Grubač, and V. Škorpiková. 2013. State of the birds of Macedonia 2012. Macedonian Ecological Society, Skopje. Unpublished data of Borut Stumberger and Metodija Veleviski |

Moldova

| |
|--|
| Breeding population size: The Atlas of the Breeding Birds of Republic of Moldova. 2010. 100p. |
| Breeding short-term trend: The Atlas of the Breeding Birds of Republic of Moldova. 2010. 100p. |
| Breeding long-term trend: 1.Аверин Ю. В., Ганя И.М., Успенский Г. Птицы Молдавии, том 2, Кишинев, 1971, 2р 2.Burfield I., Bommel van F., Birds in Europe. Population estimates, trends and conservation status. BirdLife International. Oxford, 2004. 374p. Zubcov, N., Buciuceanu L., Stirbu V., Jurminski S., Glavan T. On the status of the White Stork (<i>Ciconia ciconia</i>) population in Moldova. Weisstorch im Aufwind? White Storks on the up? Hamdurg, 1999, p. 237-241 |

Montenegro

| |
|---|
| Breeding population size: Jovičević, M., Saveljić, D (2012): White Stork <i>Ciconia ciconia</i> , short communications, <i>Acrocephalus</i> 33 (152/153):131, Slovenia |
| Breeding 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., Vucanovic, M., Jovanovic, T. (2004): Birds of Serbia and Montenegro – Size of nesting populations. I trends: 1990-2002. <i>Ciconia</i> 12, |

Netherlands: C. c. ciconia, W Europe & North-west Africa/Sub-Saharan Africa

| |
|--|
| 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: Sovon |

Poland: C. c. ciconia, Central & Eastern Europe/Sub-Saharan Africa

| |
|---|
| Breeding population size: Chodkiewicz T., Kuczyński L., Sikora A., Ławicki Ł., Chylarecki P., Neubauer G., Meissner W., Rohde Z. 2013. Opracowanie raportu dla Komisji Europejskiej z wdrażania Dyrektywy Ptasięj w Polsce w zakresie Monitoringu Ptaków Polski w Państwowym Monitoringu Środowiska. Sprawozdanie dla Głównego Inspektoratu Ochrony Środowiska. OTOP, Marki. |
| Breeding short-term trend: MFGP: Sikora A., Chodkiewicz T., Rohde Z. 2012. Monitoring Flagowych Gatunków Ptaków. In: Podsumowanie sezonu lęgowego Monitoringu Ptaków Polski w 2012 r. OTOP, Miłz, KOO, SOS: 47-61 (source: http://monitoringptakow.gios.gov.pl/raporty?file=files/pliki/raporty_faza4/RaportMPP4_etap1_zad2%264_wiosna2012.pdf) |
| Breeding long-term trend: Profus P., Jakubiec Z., Mielczarek P. 1989. Zur Situation des Weißstorchs, <i>Ciconia ciconia</i> L. in Polen, Stand 1984. W: Reinwald G., Ogden J., Schulz H. (red.) Weißstorch – White Stork. Proc. I. Int. Stork Conserv. Symp. Walsrode. Schriftenreihe des DDA 10: 81–97 |

Ciconia ciconia (White Stork)

Portugal: C. c. ciconia, W Europe & North-west Africa/Sub-Saharan Africa

Breeding population size: informação ICNF

Breeding short-term trend: informação ICNF

Breeding long-term trend: informação ICNF

Romania: C. c. ciconia, Central & Eastern Europe/Sub-Saharan Africa

Breeding population size: Distribution, population size and dynamics of the White Stork in Romania in 2004-2005 Ferenc Kósa, "Babes-Bolyai" University Fac. of Biology and Geology in "WHITE STORK POPULATIONS ACROSS THE WORLD"

Breeding short-term trend: Distribution, population size and dynamics of the White Stork in Romania in 2004 2005 Ferenc Kósa, "Babes-Bolyai" University Fac. of Biology and Geology in "WHITE STORK POPULATIONS ACROSS THE WORLD"

Breeding long-term trend: Distribution, population size and dynamics of the White Stork in Romania in 2004 2005 Ferenc Kósa, "Babes-Bolyai" University Fac. of Biology and Geology in "WHITE STORK POPULATIONS ACROSS THE WORLD"

Russia

Breeding population size: Grishchenko V.N., Galchenkov Yu.D. 2011. White Stork. – In: Priklonskiy S.G., Zubakin V.A., Koblik E.A. (eds.). Birds of Russia and adjacent regions. Pelecaniformes, Ciconiiformes, Phoenicopteriformes. Moscow, KMK: 384-416 (in Russian).

Breeding short-term trend: Grishchenko V.N., Galchenkov Yu.D. 2011. White Stork. – In: Priklonskiy S.G., Zubakin V.A., Koblik E.A. (eds.). Birds of Russia and adjacent regions. Pelecaniformes, Ciconiiformes, Phoenicopteriformes. Moscow, KMK: 384-416 (in Russian). Chekulaeva E. 2010. Results of census of White Stork's nests in Moscow Region in 2010. – In: Koerkamp H.G., Kalyakin M., Voltsit O. (eds.). Moskovka. News of the program Birds of Moscow and Moscow Region, No. 12: 4-8 (in Russian).

Breeding long-term trend: Grishchenko V.N., Galchenkov Yu.D. 2011. White Stork. – In: Priklonskiy S.G., Zubakin V.A., Koblik E.A. (eds.). Birds of Russia and adjacent regions. Pelecaniformes, Ciconiiformes, Phoenicopteriformes. Moscow, KMK: 384-416 (in Russian). Cherevichko V.I., Fedorov Yu.V., Fetisov S.A. et al. 1999. The historical status, present-day distribution and numbers of the White Stork (*Ciconia ciconia*) in North-western Russia. – White Stork on the up? Proc. Intern. Symp. on the White Stork, Hamburg 1996. Bonn, NABU: 305-317.

Serbia

Breeding population size: BPSSS (2014) Unpublished data

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

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

Slovakia: C. c. ciconia, Central & Eastern Europe/Sub-Saharan Africa

Breeding population size: Fulín M.: Informačný spravodaj Bocian 1/2011, ZO SZOPK Bocian, Moldava n/B, 2011. www.bociany.sk

Breeding short-term trend: Fulín M.: Informačný spravodaj Bocian biely 1/2011, ZO SZOPK Bocian, Moldava n/B, 2011. www.bociany.sk

Breeding long-term trend: Fulín M.: Informačný spravodaj Bocian biely 1/2011, ZO SZOPK Bocian, Moldava n/B, 2011. www.bociany.sk

Slovenia: C. c. ciconia, Central & Eastern Europe/Sub-Saharan Africa

Breeding population size: Denac, D. (2010): Population dynamics of the White Stork *Ciconia ciconia* in Slovenia between 1999 and 2010. - *Acrocephalus* 31 (145/146): 101-114. Denac, K., T. Mihelič, L. Božič, P. Kmecl, T. Jančar, J. Figelj & B. Rubinič (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. Denac, K., T. Mihelič, D. Denac, L. Božič, P. Kmecl & D. Bordjan (2011): Monitoring populacij izbranih vrst ptic. Popisi gnezdičk spomladi 2011 in povzetek popisov v obdobju 2010-2011. Končno poročilo. Naročnik: Ministrstvo za okolje in prostor. DOPPS, Ljubljana. Denac, K., L. Božič, T. Mihelič, D. Denac, P. Kmecl, J. Figelj & D. Bordjan (2013): Monitoring populacij izbranih vrst ptic - popisi gnezdičk 2012 in 2013. Poročilo. Naročnik: Ministrstvo za kmetijstvo in okolje. DOPPS-BirdLife Slovenia, Ljubljana. [Http://www.natura2000.gov.si/uploads/tx_library/Koncno_porocilo_monitoring_2012-2013_1.pdf](http://www.natura2000.gov.si/uploads/tx_library/Koncno_porocilo_monitoring_2012-2013_1.pdf)

Breeding short-term trend: Denac, D. (2010): Population dynamics of the White Stork *Ciconia ciconia* in Slovenia between 1999 and 2010. - *Acrocephalus* 31 (145/146): 101-114. Denac, K., T. Mihelič, L. Božič, P. Kmecl, T. Jančar, J. Figelj & B. Rubinič (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. Denac, K., T. Mihelič, D. Denac, L. Božič, P. Kmecl & D. Bordjan (2011): Monitoring populacij izbranih vrst ptic. Popisi gnezdičk spomladi 2011 in povzetek popisov v obdobju 2010-2011. Končno poročilo. Naročnik: Ministrstvo za okolje in prostor. DOPPS, Ljubljana. Denac, K., L. Božič, T. Mihelič, D. Denac, P. Kmecl, J. Figelj & D. Bordjan (2013): Monitoring populacij izbranih vrst ptic - popisi gnezdičk 2012 in 2013. Poročilo. Naročnik: Ministrstvo za kmetijstvo in okolje. DOPPS-BirdLife Slovenia, Ljubljana. [Http://www.natura2000.gov.si/uploads/tx_library/Koncno_porocilo_monitoring_2012-2013_1.pdf](http://www.natura2000.gov.si/uploads/tx_library/Koncno_porocilo_monitoring_2012-2013_1.pdf)

Breeding long-term trend: Šoštar, M. (1965): Štorklje v slovenskem Podravju in Pomurju (Storks (*Ciconia ciconia*) in the northwestern part of Slovenia). – *Varstvo narave* 4: 81–89. Jež, M. (1987): Bela štorklja (*Ciconia ciconia* L.) v Sloveniji v letu 1979 (The white stork (*Ciconia ciconia* L.) in Slovenia in the year 1979). – *Varstvo narave* 13: 79–92. Schulz, H. (1999): The world population of the White Stork (*Ciconia ciconia*) – Results of the 5th International White Stork Census 1994/95. pp. 351–365 In: SCHULZ, H. (ed.): *Weißstorch im Aufwind? – White Storks on the up? – Proceedings, Internat. Symp. On the White Stork, Hamburg 1996.* – Naturschutzbund Deutschland, Bonn. Denac, D. (2001): Gnezditvena biologija, fenologija in razširjenost bele štorklje *Ciconia ciconia* v Sloveniji. - *Acrocephalus* 22(106/107): 89-103. Denac, D. (2010): Population dynamics of the White Stork *Ciconia ciconia* in Slovenia between 1999 and 2010. - *Acrocephalus* 31 (145/146): 101-114. Denac, K., T. Mihelič, L. Božič, P. Kmecl, T. Jančar, J. Figelj & B. Rubinič (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. Denac, K., T. Mihelič, D. Denac, L. Božič, P. Kmecl & D. Bordjan (2011): Monitoring populacij izbranih vrst ptic. Popisi gnezdičk spomladi 2011 in povzetek popisov v obdobju 2010-2011. Končno poročilo. Naročnik: Ministrstvo za okolje in prostor. DOPPS, Ljubljana. Denac, K., L. Božič, T. Mihelič, D. Denac, P. Kmecl, J. Figelj & D. Bordjan (2013): Monitoring populacij izbranih vrst ptic - popisi gnezdičk 2012 in 2013. Poročilo. Naročnik: Ministrstvo za kmetijstvo in okolje. DOPPS-BirdLife Slovenia, Ljubljana. [Http://www.natura2000.gov.si/uploads/tx_library/Koncno_porocilo_monitoring_2012-2013_1.pdf](http://www.natura2000.gov.si/uploads/tx_library/Koncno_porocilo_monitoring_2012-2013_1.pdf)

Spain: C. c. ciconia, W Europe & North-west Africa/Sub-Saharan Africa

Breeding population size: Molina, B. & Del Moral, J. C. 2005. La Cigüeña Blanca en España. VI Censo Internacional (2004). SEO/BirdLife. Madrid. 235pp. http://www.magrama.gob.es/es/biodiversidad/temas/inventarios_nacionales/4_ciguena_blanca_2004_tcm7-218217.pdf

Ciconia ciconia (White Stork)

Spain: *C. c. ciconia*, W Europe & North-west Africa/Sub-Saharan Africa

Breeding short-term trend: SEO/BirdLife (2013). Programas de seguimiento de SEO/BirdLife en 2012. SEO/BirdLife. Madrid. 35 pp. Información obtenida a partir de la Base de Datos del Inventario Español de especies terrestres. Seguimiento de Aves SACRE. (Ministerio de Agricultura, Alimentación y Medio Ambiente). http://www.magrama.gob.es/es/biodiversidad/temas/inventarios-nacionales/inventario-especies-terrestres/tendencia_aves_comunes_espania.aspx Gráfica de la tendencia poblacional: http://www.magrama.gob.es/es/biodiversidad/temas/inventarios-nacionales/inventario-especies-terrestres/ieet_aves_sist_seg_tendencia_comunes_esp.aspx <http://www.seo.org/RESULTADOS-SEGUIMIENTO-DE-AVES/>

Breeding long-term trend: Molina, B. & Del Moral, J. C. 2005. La Cigüeña Blanca en España. VI Censo Internacional (2004). SEO/BirdLife. Madrid. 235pp. http://www.magrama.gob.es/es/biodiversidad/temas/inventarios-nacionales/4_ciguena_blanca_2004_tcm7-218217.pdf

Sweden: *C. c. ciconia*, Central & Eastern Europe/Sub-Saharan Africa

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 Ornitologiska Förening, Halmstad.

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

Breeding long-term trend: Released and managed population. Project started in 1989 when the species had been missing as a breeder since 1954.

Switzerland

Breeding population size: Database of Swiss Ornithological Institute based on report by "Storch Schweiz": <http://www.storch-schweiz.ch/bestand.html?&L=1%2F%2F>

Breeding short-term trend: Swiss Ornithological Institute: <http://www.vogelwarte.ch/monitoring-ausgewaehlte-arten.html>

Breeding long-term trend: Swiss Ornithological Institute: <http://www.vogelwarte.ch/monitoring-ausgewaehlte-arten.html>

Turkey

Breeding population size: Naturschutzbund.2013. White Stork populations across the World, Results of the 6th International White Stork Census 2004-2005. Nabu, Germany

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

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

Ukraine

Breeding population size: 1. Tucker G.M., Heath M.F. Birds in Europe: their conservation status. - Cambridge. U.K. Bird Life Conservation Series № 3. 1994. 600 p. 2. Hagemajier 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. Hagemajier/ 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: Бокотей А.А., Дзюбенко Н.В., Горбань І.М. Та інші. Гніздова орнітофауна басейну Верхнього Дністра. – Львів: ЛНУ, 2010. – 400 с.

Breeding long-term trend: 1. Горбань І.М. Об учетах численности и некоторых особенностях экологии белых аистов на западе Украины // Аисты: распространение, экология, охрана. Минск, 1990. С.80-84. 2. Серебряков В.В., Грищенко В.Н., Грищенко И.А. Численность белого аиста на Украине по данным анкетного учета в 1987-1988 гг. К. 1989. Деп. в УкрНИИТИ 25.05.1989. №1372-Ук89. 96 с. 3. Tucker G.M., Heath M.F. Birds in Europe: their conservation status. - Cambridge. U.K. Bird Life Conservation Series № 3. 1994. 600 p. 4. Hagemajier W.J.M., Blair M.J. The EBCC Atlas of European Breeding Birds: Their Distribution and Abundance. Poyser. - London. 1997. 903 p. 5. 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. 6. European birds populations; Estimates and trends Compiled by M. Heath, C. Borggreve, N. Peet, W. Hagemajier/ BirdLife International/EBCC. 2000. Cambridge, UK: BirdLife Conservation Series N10, 160 p. 7. Birds in Europe: Population Estimates, Trends and Conservation Status. BirdLife Conservation Series 12; 2004. 374 p.

Bibliography

- Bairlein, F. 1991. Population studies of White Storks (*Ciconia ciconia*) in Europe. In C.M. Perrins, J.-D. Lebreton & G.J.M. Hirons (eds). *Bird Population Studies: Relevance to Conservation and Management*: 207–229. Oxford: Oxford University Press.
- Baldi, A.; Batary, B.; Erdos, S. 2005. Effects of grazing intensity on bird assemblages and populations of Hungarian grasslands. *Agriculture Ecosystems & Environment* 108: 251–263.
- Blanco, G. 1996. Population dynamics and communal roosting of white storks foraging at a Spanish refuse dump. *Colonial Waterbirds* 19: 273–276.
- Brown, L. H.; Urban, E. K.; Newman, K. 1982. *The birds of Africa vol I*. Academic Press, London.
- Correia, A.M. 2001. Seasonal and interspecific evaluation of predation by mammals and birds on the introduced red swamp crayfish *Procambarus clarkii* (Crustacea, Cambaridae) in a freshwater marsh (Portugal). *Journal of Zoology* 255: 533–541.
- Elliott, A., Garcia, E.F.J. & Boesman, P. (2014). White Stork (*Ciconia ciconia*). In: del Hoyo, J., Elliott, A., Sargatal, J., Christie, D.A. & de Juana, E. (eds.) (2014). *Handbook of the Birds of the World Alive*. Lynx Edicions, Barcelona. (retrieved from <http://www.hbw.com/node/52744> on 14 April 2015).
- Goriup, P.; Schulz, H. 1990. Conservation management of the White Stork: an international opportunity. International Council for Bird Preservation, Cambridge, U.K.
- Hancock, J. A.; Kushlan, J. A.; Kahl, M. P. 1992. *Storks, ibises and spoonbills of the world*. Academic Press, London.
- Hockey, P. A. R.; Dean, W. R. J.; Ryan, P. G. 2005. *Roberts birds of southern Africa*. Trustees of the John Voelcker Bird Book Fund, Cape Town, South Africa.
- Johst, K.; Brandl, R.; Pfeifer, R. 2001. Foraging in a patchy and dynamic landscape: human hand use and the White Stork. *Ecological Applications* 11(1): 60–69.
- Schulz, H. 1999. The world population of the White Stork (*Ciconia ciconia*) – Results of the 5th International White Stork Census 1994/95. In H. Schulz (ed.). *Weißstorch im Aufwind? – White Stork on the up? – Proceedings, International Symposium on the White Stork, Hamburg 1996*: 351–365. Bonn: NABU.
- Snow, D. W.; Perrins, C. M. 1998. *The Birds of the Western Palearctic vol. 1: Non-Passerines*. Oxford University Press, Oxford.
- van den Bossche, W. 2002. Eastern European white stork populations: migration studies and elaboration of conservation measures. *BfN - Skripten (Bundesamt für Naturschutz)* 66: Unpaginated.