THE IUCN RED LIST
OF THREATENED SPECIES™

# *Nycticorax nycticorax* (Black-crowned Night-heron)

## 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**



**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.

*Nycticorax nycticorax* (Black-crowned Night-heron)

**Table 1**. Reported national breeding population size and trends in Europe[1].

| 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 | 0-10 | <1 | 2002-2012 | medium | 0 | 0 | 2002-2012 | medium | - | 50-90 | 1980-2012 | poor | |
| Armenia | 200-400 | <1 | 2002-2012 | good | ? | | | | ? | | | | |
| Austria | 55-65 | <1 | 2008-2012 | good | 0 | 0 | 2001-2012 | good | F | 0 | 1980-2012 | good | N. n. nycticorax, C & E Europe/Black Sea & E Mediterranean (bre) |
| Azerbaijan | 5,000-10,000 | 10 | 2014 | poor | + | | 2000-2014 | | + | | 1980-2014 | poor | |
| Belarus | 30-70 | <1 | 2012 | medium | + | 159-500 | 1998-2012 | medium | + | 500-1300 | 1980-2012 | medium | |
| Belgium | 6-11 | <1 | 2008-2012 | good | - | 69-83 | 2000-2012 | good | ? | | | | N. n. nycticorax, W Europe, NW Africa (bre) |
| Bosnia & HG | 50-150 | <1 | 2010-2014 | poor | ? | | | | - | 10-20 | 1980-2013 | poor | |
| Bulgaria | 1,800-2,500 | 3 | 2005-2012 | medium | 0 | 0-5 | 2000-2012 | medium | 0 | 0-10 | 1980-2012 | medium | N. n. nycticorax, C & E Europe/Black Sea & E Mediterranean (bre) |
| Croatia | 600-800 | 1 | 2013 | medium | 0 | 0 | 2001-2012 | medium | ? | | | | |
| Cyprus | 5-10 | <1 | 2005-2010 | good | 0 | 0 | 2001-2012 | good | + | 75-125 | 1980-2012 | medium | N. n. nycticorax, C & E Europe/Black Sea & E Mediterranean (bre) |
| Czech Rep. | 619-768 | 1 | 2001-2012 | good | + | 57-59 | 2000-2012 | medium | + | 49-50 | 1980-2012 | medium | N. n. nycticorax, C & E Europe/Black Sea & E Mediterranean (bre) |
| France | 3,356 | 5 | 2007 | good | - | 20 | 2000-2007 | good | 0 | 0 | 1980-2008 | good | N. n. nycticorax, W Europe, NW Africa (bre) |
| Georgia | Present | <1 | | | ? | | | | ? | | | | |
| Germany | 18-22 | <1 | 2005-2009 | good | 0 | 0 | 1998-2008 | medium | + | 471-2078 | 1985-2008 | good | N. n. nycticorax, W Europe, NW Africa (bre) |
| Greece | 1,325 | 2 | 2009 | good | 0 | 0 | 2003-2009 | good | + | 100-150 | 1985-2009 | good | N. n. nycticorax, C & E Europe/Black Sea & E Mediterranean (bre) |
| Hungary | 2,200-3,600 | 4 | 2008-2012 | good | 0 | 0 | 2000-2012 | good | ? | | | | N. n. nycticorax, C & E Europe/Black Sea & E Mediterranean (bre) |
| Italy | 6,300-6,600 | 9 | 2002-2012 | medium | - | 50-55 | 2002-2012 | medium | - | 60-65 | 1981-2012 | medium | N. n. nycticorax, W Europe, NW Africa (bre) |
| Kosovo | 80-120 | <1 | 2009-2014 | good | ? | | | | ? | | | | |
| FYRO Macedonia | 20-40 | <1 | 2001-2012 | medium | 0 | 0 | 2001-2012 | medium | ? | | | | |
| Moldova | 500-900 | 1 | 2001-2012 | medium | F | 0 | 2001-2012 | medium | F | 0 | 1980-2012 | medium | |
| Montenegro | 30-60 | <1 | 2002-2012 | good | 0 | 0 | 2002-2012 | good | ? | | | | |
| Netherlands | 25-45 | <1 | 2008-2011 | good | + | 10-138 | 2002-2011 | good | + | 2400-4400 | 1983-2011 | good | N. n. nycticorax, W Europe, NW Africa (bre) |
| Poland | 967 | 1 | 2012 | good | + | 150 | 2001-2013 | good | + | 1800 | 1980-2013 | good | N. n. nycticorax, C & E Europe/Black Sea & E Mediterranean (bre) |
| Portugal | 160-200 | <1 | 2008-2012 | medium | - | 30-70 | 2001-2012 | medium | - | 50-70 | 1990-2012 | medium | N. n. nycticorax, W Europe, NW Africa (bre) |
| Romania | 4,000-8,000 | 8 | 2008-2013 | medium | ? | | | | + | 0-19 | 1980-2012 | medium | N. n. nycticorax, C & E Europe/Black Sea & E Mediterranean (bre) |
| Russia | 10,000-15,000 | 17 | 2005-2008 | poor | - | 5-30 | 2000-2012 | poor | - | 5-30 | 1980-2012 | poor | |

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**Table 1**. Reported national breeding population size and trends in Europe[1].

| 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 | |
| Serbia | 2,800-3,750 | 5 | 2008-2012 | medium | + | 1-9 | 2000-2012 | medium | + | 10-29 | 1980-2012 | medium | |
| Slovakia | 500-1,000 | 1 | 2012 | medium | + | 10-20 | 2000-2012 | medium | + | 50-100 | 1980-2012 | medium | N. n. nycticorax, C & E Europe/Black Sea & E Mediterranean (bre) |
| Slovenia | 10-20 | <1 | 2002-2012 | medium | + | 0-20 | 2001-2012 | medium | + | 10-20 | 1980-2012 | medium | N. n. nycticorax, C & E Europe/Black Sea & E Mediterranean (bre) |
| Spain | 4,964-5,354 | 7 | 2010-2011 | good | - | 61 | 1998-2011 | good | + | | 1980-2011 | medium | N. n. nycticorax, W Europe, NW Africa (bre) |
| ES: Canary Is | 7-8 | <1 | 2011 | medium | + | | 2001-2012 | medium | + | | 1980-2012 | poor | N. n. nycticorax, W Europe, NW Africa (bre) |
| Turkey | 4,000-8,000 | 8 | 2013 | poor | 0 | 0 | 2000-2012 | poor | + | 30-49 | 1990-2013 | medium | |
| Ukraine | 10,400-12,900 | 16 | 2000 | medium | F | 10-20 | 2001-2012 | medium | F | 15-30 | 1980-2012 | medium | |
| **EU27** | **26,300-33,900** | **42** | | | **Decreasing** | | | | | | | | |
| **Europe** | **60,000-86,100** | **100** | | | **Decreasing** | | | | | | | | |

[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 (≥50%)
- Moderate increase (20–49%)
- Small increase (<20%)
- Increase of unknown magnitude
- Large decrease (≥50%)
- Moderate decrease (20–49%)
- Small decrease (<20%)
- 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: ≥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.

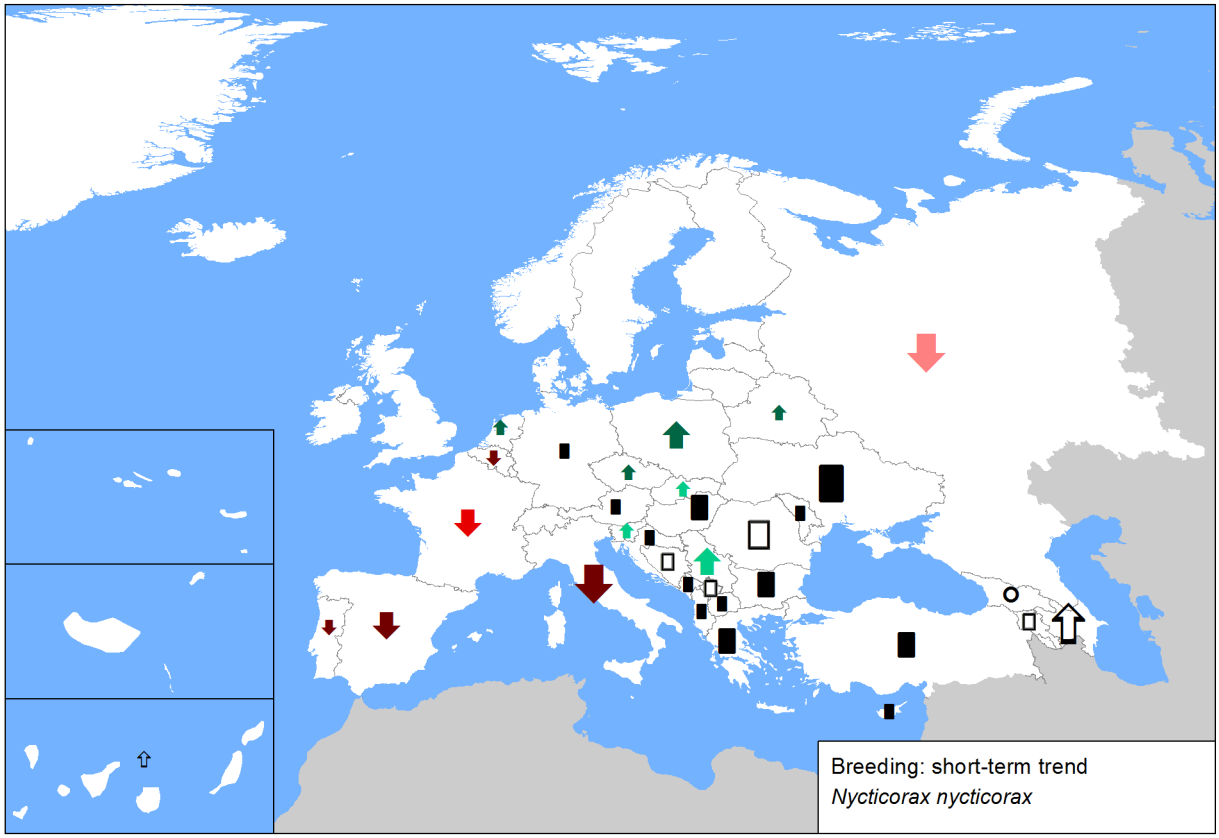
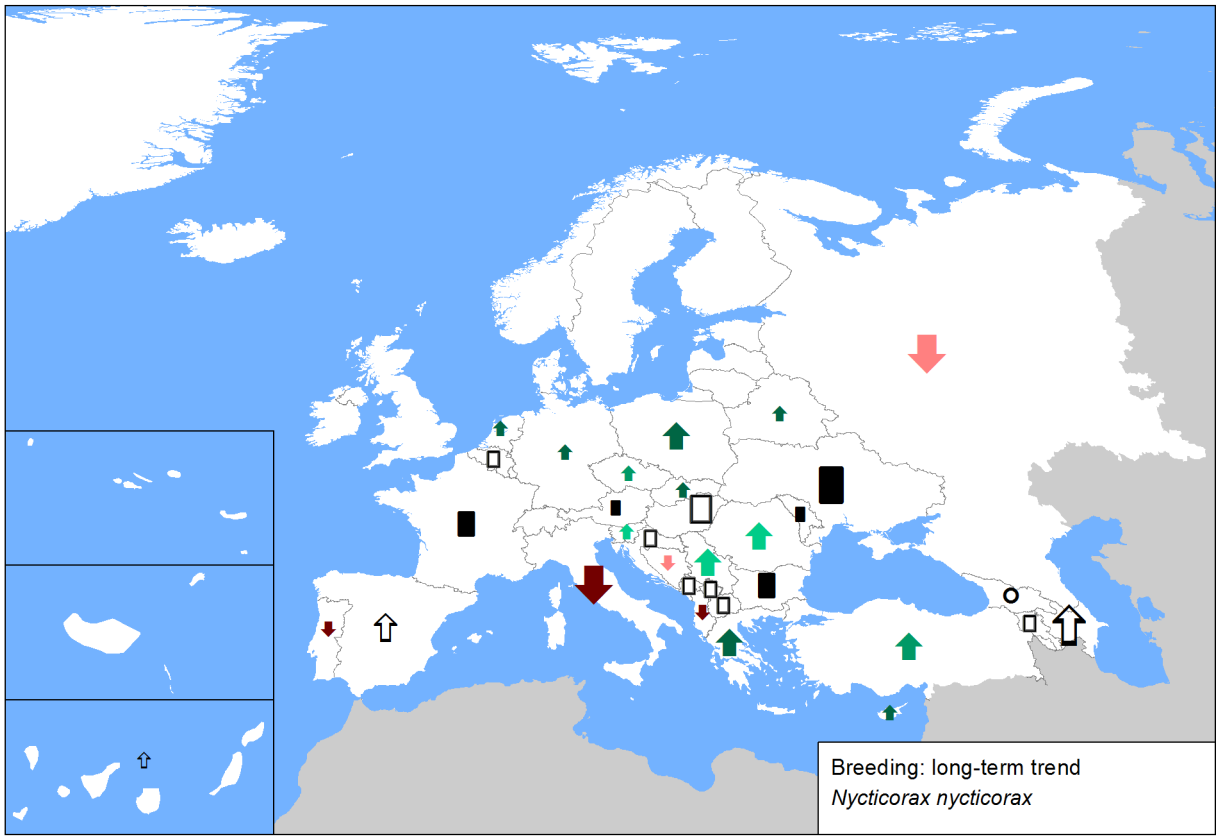



**Figure 2.** Breeding population sizes and long-term trends across Europe.



# Sources

## Albania

| |
|---|
| **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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|---|
| **Breeding population size:** ASPB data |

## Austria: N. n. nycticorax, C & E Europe/Black Sea & E Mediterranean (bre)

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|---|
| **Breeding population size:** BirdLife Austria, estimate on the basis of available unpublished and published population data |
| **Breeding short-term trend:** BirdLife Austria, estimate on the basis of available unpublished and published trend data |
| **Breeding long-term trend:** Dvorak et al. 1993, BirdLife Austria, estimate on the basis of available unpublished and published trend data |

## Azerbaijan

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| **Breeding population size:** AOS data base |
| **Breeding short-term trend:** AOS data base |
| **Breeding long-term trend:** AOS data base |

## Belarus

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|---|
| **Breeding population size:** Samusenko I.E. - personal communication |
| **Breeding short-term trend:** Samusenko I.E. - personal communication |
| **Breeding long-term trend:** Samusenko I.E. - personal communication |

## Belgium: N. n. nycticorax, W Europe, NW Africa (bre)

| |
|---|
| **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., Drocić, N., Trbojević, S., Šimić, E., Dervović, I., 2012: Program IBA, Međunarosdno značajna područja za ptice, u Bosni i Hercegovini. Ornitološko društvo “Naše ptice”, interno izdanje za projekat “Evaluacija IBA područja u FBiH”, Sarajevo |
| **Breeding long-term trend:** Vasić, V., 1979: Kolonije srebrenastog galeba (Larus argentatus michahellis) Neumann 1840 (Laridae) i gaka (Nyctycorax nyctycorax nyctycorax) Linnaeus 1758 (Ardeidae) na Bilećkom jezeru u Hercegovini. Biosistematika, 5(7): 187:200. |

## Bulgaria: N. n. nycticorax, C & E Europe/Black Sea & E Mediterranean (bre)

| |
|---|
| **Breeding population size:** 1. Iankov, P. (ed.) 2007 Atlas of Breeding Birds in Bulgaria. Bulgarian Society for the Protection of Birds, Conservation Series, Book 10, Sofia, BSPB, 679 p. 2. Golemansky V. (ed.) 2011. Red data book of the Republic of Bulgaria, Vol. 2 Animals, Bulgarian Academy of Sciences, Ministry of Environment and Waters of Bulgaria. Sofia,2011 3. BSPB Bird Database 4. WWF Green borders LIFE+ Project Reports Expert for contact: Svilen Cheshmedjiev, svilen.cheshmedjiev@bspb.org |
| **Breeding short-term trend:** 1. Iankov, P. (ed.) 2007 Atlas of Breeding Birds in Bulgaria. Bulgarian Society for the Protection of Birds, Conservation Series, Book 10, Sofia, BSPB, 679 p. 2. Golemansky V. (ed.) 2011. Red data book of the Republic of Bulgaria, Vol. 2 Animals, Bulgarian Academy of Sciences, Ministry of Environment and Waters of Bulgaria. Sofia,2011 3. BSPB Bird Database 4. WWF Green borders LIFE+ Project Reports Expert for contact: Svilen Cheshmedjiev, svilen.cheshmedjiev@bspb.org |
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## Croatia

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|---|
| **Breeding population size:** Zavod za ornitologiju (Sanja Barišić, Davor Ćiković, 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, Gordan Lukač. Kristijan Mandić, Krešimir Mikulić, Tibor Mikuska, Gvido Piasevoli, Andrej Radalj, Zlatko Ružanović, Vlatka Šćetarić, 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 |

## Cyprus: N. n. nycticorax, C & E Europe/Black Sea & E Mediterranean (bre)

| |
|---|
| **Breeding population size:** Monthly waterbird counts by BirdLife Cyprus and Game & Fauna Service, as published in BirdLife Cyprus monthly checklists and also by the Game & Fauna Service; Analysis of recent BirdLife Cyprus bird sightings records reported in the society's annual reports; Whaley DJ & Dawes JC, 2003 Cyprus Breeding Birds’ Atlas; Whaley & Dawes (2005), Sandgrouse 27(2); Miltiadou (2011), Sandgrouse 33 |
| **Breeding short-term trend:** Monthly waterbird counts by BirdLife Cyprus and Game & Fauna Service, as published in BirdLife Cyprus monthly checklists and also by the Game & Fauna Service; Analysis of recent BirdLife Cyprus bird sightings records reported in the society's annual reports; Whaley DJ & Dawes JC, 2003 Cyprus Breeding Birds’ Atlas; Whaley & Dawes (2005), Sandgrouse 27(2); Miltiadou (2011), Sandgrouse 33 |

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## Czech Republic: N. n. nycticorax, C & E Europe/Black Sea & E Mediterranean (bre)

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

**Breeding short-term trend:** HORA J. HORAL D.,KUCERA Z. & PYKAL V. inpress: Monitoring druhu prilohy I směrnice o ptacich a ptacich oblasti v letech 2008-2010. AOPK CR

**Breeding long-term trend:** STASTNY K., BEJCEK V. & HUDEC K. 2006: Atlas hnizdniho rozsireni ptaku v Ceske republice. Aventinum Praha.

## France: N. n. nycticorax, W Europe, NW Africa (bre)

**Breeding population size:** 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.

**Breeding short-term trend:** Roché J. 2013 Suivi quantitatif de l'avifaune nicheuse de la Loire et de l'Allier 1990-2012. Programme STORI, Université de Bourgogne, 114 p. Marion L. 2009 Recensement national des Hérons arboricoles de France en 2000. Héron cendré, Héron pourpré, Héron bihoreau, Héron crabier, Héron gardebœuf, Aigrette garzette, Grande Aigrette, MEEDDMT, 84 p.

**Breeding long-term trend:** Roché J. 2013 Suivi quantitatif de l'avifaune nicheuse de la Loire et de l'Allier 1990-2012. Programme STORI, Université de Bourgogne, 114 p. Marion L. 2009 Recensement national des Hérons arboricoles de France en 2000. Héron cendré, Héron pourpré, Héron bihoreau, Héron crabier, Héron gardebœuf, Aigrette garzette, Grande Aigrette, MEEDDMT, 84 p.

## Georgia

**Breeding population size:** BirdLife International 2004

## Germany: N. n. nycticorax, W Europe, NW Africa (bre)

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

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

**Breeding long-term trend:** Monitoring seltener Brutvögel

## Greece: N. n. nycticorax, C & E Europe/Black Sea & E Mediterranean (bre)

**Breeding population size:** Kazantzidis, S. & G. Yfantis. 2012. Heronries in Greece - 2nd national Census. Oionos (Hellenic Ornithological Society's 3-mothly edition) 49: 8-9.

**Breeding short-term trend:** Kazantzidis, S. 2005. Herons. Hellenic Ornithological Society, Thessaloniki.

**Breeding long-term trend:** Crivelli, A., Jerrentrup, H. & B. Hallmann. 1988. Preliminary results of a complete census of breeding colonial wading birds in Greece, spring 1985-1986. HOS Newsletter 4:31-33

## Hungary: N. n. nycticorax, C & E Europe/Black Sea & E Mediterranean (bre)

**Breeding population size:** National Park Directorates databases. Breeding bird (MME RTM) database.

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

**Breeding long-term trend:** Haraszthy L. (szerk.) (1984): Magyarország fészkelő madarai. Natura, Budapest. 247 p. MME Nomenclator Bizottság (2008): Magyarország madarainak névjegyzéke. Nomenclator avium Hungariae. Magyar Madártani és Természetvédelmi Egyesület, Budapest. p. 278. Magyar, G., Hadarics, T., Waliczky, Z., Schmidt, A., Nagy, T. & Bankovics, A. (1998): Nomenclator avium Hungariae. Magyarország madarinak névjegyzéke. KTM Természetvédelmi Hivatal Madártani Intézete – Magyar Madártani és Természetvédelmi Egyesület – Winter Fair, Budapest – Szeged. P. 202.

## Italy: N. n. nycticorax, W Europe, NW Africa (bre)

**Breeding population size:** 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.

**Breeding short-term trend:** 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.

**Breeding long-term trend:** 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.

## Kosovo

**Breeding population size:** NGO "Finch" (2014)

## The Former Yugoslav Republic of Macedonia

**Breeding population size:** data provided in Velevski, M., B. Hallmann, B. Grubač, T. Lisičanec, E. Stoynov, E. Lisičanec, V. Avukatov, L. Božič, and B. Stumberger. 2010. Important Bird Areas in Macedonia: Sites of Global and European Importance. Acrocephalus 31:181–282 are with error. The original dataset was used

**Breeding short-term trend:** data provided in Velevski, M., B. Hallmann, B. Grubač, T. Lisičanec, E. Stoynov, E. Lisičanec, V. Avukatov, L. Božič, and B. Stumberger. 2010. Important Bird Areas in Macedonia: Sites of Global and European Importance. Acrocephalus 31:181–282 are with error. The original dataset was used

## Moldova

| |
|---|
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| **Breeding short-term trend:** Munteanu A, Zubcov N., Atlasul păsărilor clocitoare din Republica Moldova, 2010, 100p. |
| **Breeding long-term trend:** 1. Birds in Europe: population estimates, trends and conservation status. Cambridge, UK: BirdLife International. (BirdLife Conservation Series No. 12). 2004. 1160 pp 2. Munteanu A, Zubcov N., Atlasul păsărilor clocitoare din Republica Moldova, 2010, 100p. |

## Montenegro

| |
|---|
| **Breeding population size:** Saveljić, D (2014):Unpub.data |
| **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. Ciconia 12, |

## Netherlands: N. n. nycticorax, W Europe, NW Africa (bre)

| |
|---|
| **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: N. n. nycticorax, C & E Europe/Black Sea & E Mediterranean (bre)

| |
|---|
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| **Breeding population size:** informação ICNF |
| **Breeding short-term trend:** informação ICNF |
| **Breeding long-term trend:** informação ICNF |

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## Serbia

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| **Breeding population size:** BPSSS (2014) Unpublished data |
| **Breeding short-term trend:** BPSSS (2014) Unpublished data |
| **Breeding long-term trend:** BPSSS (2014) Unpublished data |

## Slovakia: N. n. nycticorax, C & E Europe/Black Sea & E Mediterranean (bre)

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| **Breeding population size:** Ridzoň, J., Karaska, D., Darolová, A. |
| **Breeding short-term trend:** Ridzoň, J., Karaska, D., Darolová, A. |
| **Breeding long-term trend:** Ridzoň, J., Karaska, D., Darolová, A. |

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**Breeding long-term trend:** DOPPS-neobjavljeno, Denac, D.-osebno, Berce-osebno, Klenovšek-osebno

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