



THE IUCN RED LIST  
OF THREATENED SPECIES™



## ***Gallinula chloropus (Common Moorhen)***

### **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).

*Gallinula chloropus* (Common Moorhen)

**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                             | 200-600                   | <1         | 2002-2012 | medium  | 0  | 0                          | 2002-2012 | medium  | -                                       | 10-20                      | 1980-2012 | poor    |   |
| Armenia                             | 800-2,500                 | <1         | 2002-2012 | medium  | ?  |                            |           |         | ?                                       |                            |           |         |   |
| Austria                             | 1,500-2,700               | <1         | 2001-2012 | medium  | 0  | 0                          | 2001-2012 | medium  | ?                                       |                            |           |         | G. c. chloropus, Europe & North Africa  |
| Azerbaijan                          | 5,000-15,000              | 1          | 1996-2000 | poor    | ?  |                            |           |         | ?                                       |                            |           |         |   |
| Belarus                             | 15,000-20,000             | 2          | 2008-2012 | medium  | 0  | 0                          | 2000-2012 | medium  | 0                                       | 0                          | 1980-2012 | medium  |   |
| Belgium                             | 10,000-50,000             | 2          | 2008-2012 | poor    | -  | 1-37                       | 2000-2012 | medium  | 0                                       | 0                          | 1973-2012 | medium  | G. c. chloropus, Europe & North Africa  |
| Bosnia & HG                         | 500-1,000                 | <1         | 2010-2014 | poor    | -  | 5-10                       | 2001-2012 | poor    | -                                       | 10-15                      | 1980-2013 | poor    |   |
| Bulgaria                            | 5,000-12,000              | 1          | 2005-2012 | medium  | 0  | 0-10                       | 2000-2012 | medium  | 0                                       | 0-20                       | 1980-2012 | medium  | G. c. chloropus, Europe & North Africa  |
| Croatia                             | 5,000-15,000              | 1          | 2014      | poor    | ?  |                            |           |         | ?                                       |                            |           |         |   |
| Cyprus                              | 50-150                    | <1         | 2006-2012 | good    | +  | 20-50                      | 2001-2012 | medium  | +                                       | 250-500                    | 1980-2012 | medium  | G. c. chloropus, Europe & North Africa  |
| Czech Rep.                          | 4,000-8,000               | <1         | 2012      | medium  | F  | 0                          | 2000-2012 | good    | 0                                       | 0                          | 1982-2012 | good    | G. c. chloropus, Europe & North Africa  |
| Denmark                             | 3,600                     | <1         | 2011      | medium  | -  | 20-33                      | 1999-2011 | good    | -                                       | 33-50                      | 1980-2011 | good    | G. c. chloropus, Europe & North Africa  |
| Estonia                             | 700-1,500                 | <1         | 2008-2012 | poor    | 0  | 0-10                       | 2001-2012 | poor    | +                                       | 20-50                      | 1980-2012 | poor    | G. c. chloropus, Europe & North Africa  |
| Finland                             | 50-200                    | <1         | 2006-2010 | medium  | +  | 165-466                    | 2000-2011 | medium  | +                                       | 3-78                       | 1980-2011 | medium  | G. c. chloropus, Europe & North Africa  |
| France                              | 100,000-300,000           | 15         | 2005-2012 | medium  | 0  | 0                          | 2001-2011 | medium  | 0                                       | 0                          | 1981-2011 | medium  | G. c. chloropus, Europe & North Africa  |
| Georgia                             | Present                   | <1         |           |         | ?  |                            |           |         | ?                                       |                            |           |         |   |
| Germany                             | 34,000-59,000             | 4          | 2005-2009 | good    | +  | 83-175                     | 1998-2009 | good    | +                                       | 1-132                      | 1990-2009 | good    | G. c. chloropus, Europe & North Africa  |
| Greece                              | 5,000-10,000              | 1          | 2008-2012 | poor    | 0  | 0                          | 2001-2012 | poor    | ?                                       |                            |           |         | G. c. chloropus, Europe & North Africa  |
| Hungary                             | 6,000-12,000              | 1          | 2000-2012 | medium  | ?  |                            |           |         | ?                                       |                            |           |         | G. c. chloropus, Europe & North Africa  |
| Rep. Ireland                        | 64,496                    | 6          | 2008-2011 | medium  | 0  | 0                          | 2000-2011 | medium  | -                                       | 20                         | 1972-2011 | medium  | G. c. chloropus, Europe & North Africa  |
| Italy                               | 100,000-150,000           | 11         | 2004      | poor    | ?  |                            |           |         | 0                                       | 0                          | 1980-2012 | poor    | G. c. chloropus, Europe & North Africa  |
| Kosovo                              | 50-70                     | <1         | 2009-2014 | medium  | ?  |                            |           |         | ?                                       |                            |           |         |   |
| Latvia                              | 500-1,000                 | <1         | 2000-2004 | poor    | ?  |                            |           |         | ?                                       |                            |           |         | G. c. chloropus, Europe & North Africa  |
| Liechtenstein                       | 10-15                     | <1         | 2009-2014 | good    | 0  | 0                          | 2003-2014 | good    | +                                       | 50-100                     | 1980-2014 | medium  |   |
| Lithuania                           | 3,000-4,000               | <1         | 2008-2012 | medium  | 0  | 0                          | 2001-2012 | medium  | 0                                       | 0                          | 1980-2012 | medium  | G. c. chloropus, Europe & North Africa  |
| Luxembourg                          | 400-600                   | <1         | 2008-2012 | medium  | +  | 0-10                       | 2000-2012 | poor    | ?                                       |                            |           |         | G. c. chloropus, Europe & North Africa  |
| FYRO Macedonia                      | 1,000-2,500               | <1         | 2001-2012 | poor    | ?  |                            |           |         | ?                                       |                            |           |         |   |
| Malta                               | 34                        | <1         | 2009      | good    | +  | 40-240                     | 2001-2012 | good    | +                                       | 3300                       | 1984-2012 | good    | G. c. chloropus, Europe & North Africa  |
| Moldova                             | 1,200-1,800               | <1         | 2000-2010 | medium  | 0  | 0                          | 2000-2010 | medium  | 0                                       | 0                          | 1980-2010 | medium  |   |
| Montenegro                          | 2,000-4,000               | <1         | 2002-2012 | medium  | ?  |                            |           |         | ?                                       |                            |           |         |   |
| Netherlands                         | 31,815-43,745             | 3          | 2008-2011 | medium  | -  | 27-46                      | 2002-2011 | medium  | 0                                       | 0                          | 1984-2011 | medium  | G. c. chloropus, Europe & North Africa  |
| Norway                              | 80-125                    | <1         | 2008-2013 | 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 |   |
| Poland                              | 10,000-21,000             | 1          | 2008-2012 | good    | ?  |                            |           |         | ?                                       |                            |           |         | G. c. chloropus, Europe & North Africa  |
| Portugal                            | Present                   | 1          | 2001      |         | +  |                            | 2001-2012 | poor    | +                                       |                            | 1980-2012 | poor    | G. c. chloropus, Europe & North Africa  |
| PT: Azores                          | Present                   | <1         |           |         | ?  |                            |           |         | ?                                       |                            |           |         | G. c. chloropus, Europe & North Africa  |
| PT: Madeira                         | 50-100                    | <1         | 2009-2012 | medium  | +  |                            | 1999-2012 | medium  |   |                            |           |         | G. c. chloropus, Europe & North Africa  |
| Romania                             | 30,527-38,873             | 3          | 2008-2013 | medium  | ?  |                            |           |         | 0                                       | 0                          | 1980-2012 | poor    | G. c. chloropus, Europe & North Africa  |
| Russia                              | 70,000-150,000            | 9          | 2000-2008 | poor    | ?  |                            |           |         | ?                                       |                            |           |         |   |
| Serbia                              | 8,500-11,000              | 1          | 2008-2012 | medium  | +  | 1-9                        | 2000-2012 | medium  | +                                       | 10-29                      | 1980-2012 | medium  |   |
| Slovakia                            | 1,000-2,500               | <1         | 2002      | poor    | 0  | 0                          | 2000-2012 | poor    | 0                                       | 0                          | 1980-2012 | poor    | G. c. chloropus, Europe & North Africa  |
| Slovenia                            | 750-1,000                 | <1         | 2002-2012 | medium  | ?  |                            |           |         | ?                                       |                            |           |         | G. c. chloropus, Europe & North Africa  |
| Spain                               | 58,400                    | 5          | 2007      | medium  | -  | 44                         | 1998-2011 | good    | 0                                       | 0                          | 1980-2011 | medium  | G. c. chloropus, Europe & North Africa  |
| ES: Canary Is                       | 250-1,000                 | <1         | 1997-2003 | poor    | +  |                            | 2000-2012 | medium  | +                                       |                            | 1980-2012 | poor    | G. c. chloropus, Europe & North Africa  |
| Sweden                              | 2,500-3,700               | <1         | 2008-2012 | medium  | -  | 5-25                       | 2001-2012 | medium  | -                                       | 25-75                      | 1980-2012 | medium  | G. c. chloropus, Europe & North Africa  |
| Switzerland                         | 1,000-2,500               | <1         | 2008-2012 | medium  | 0  | 0                          | 2001-2012 | good    | 0                                       | 0                          | 1990-2012 | medium  |   |
| Turkey                              | 15,000-25,000             | 2          | 2013      | poor    | 0  | 0                          | 2000-2012 | poor    | ?                                       |                            |           |         |   |
| Ukraine                             | 40,000-66,000             | 5          | 2000      | medium  | F  | 10-15                      | 2001-2012 | medium  | F                                       | 10-30                      | 1980-2012 | medium  |   |
| United Kingdom                      | 270,000                   | 24         | 2009      | medium  | 0  | 0                          | 1998-2010 | good    | -                                       | 15                         | 1980-2010 | good    | G. c. chloropus, Europe & North Africa  |
| EU27                                | 744,000-1,120,000         | 80         |           |         | Stable                                   |                            |           |         |   |                            |           |         |   |
| Europe                              | 909,000-1,440,000         | 100        |           |         | Stable                                   |                            |           |         |   |                            |           |         |   |

<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  |

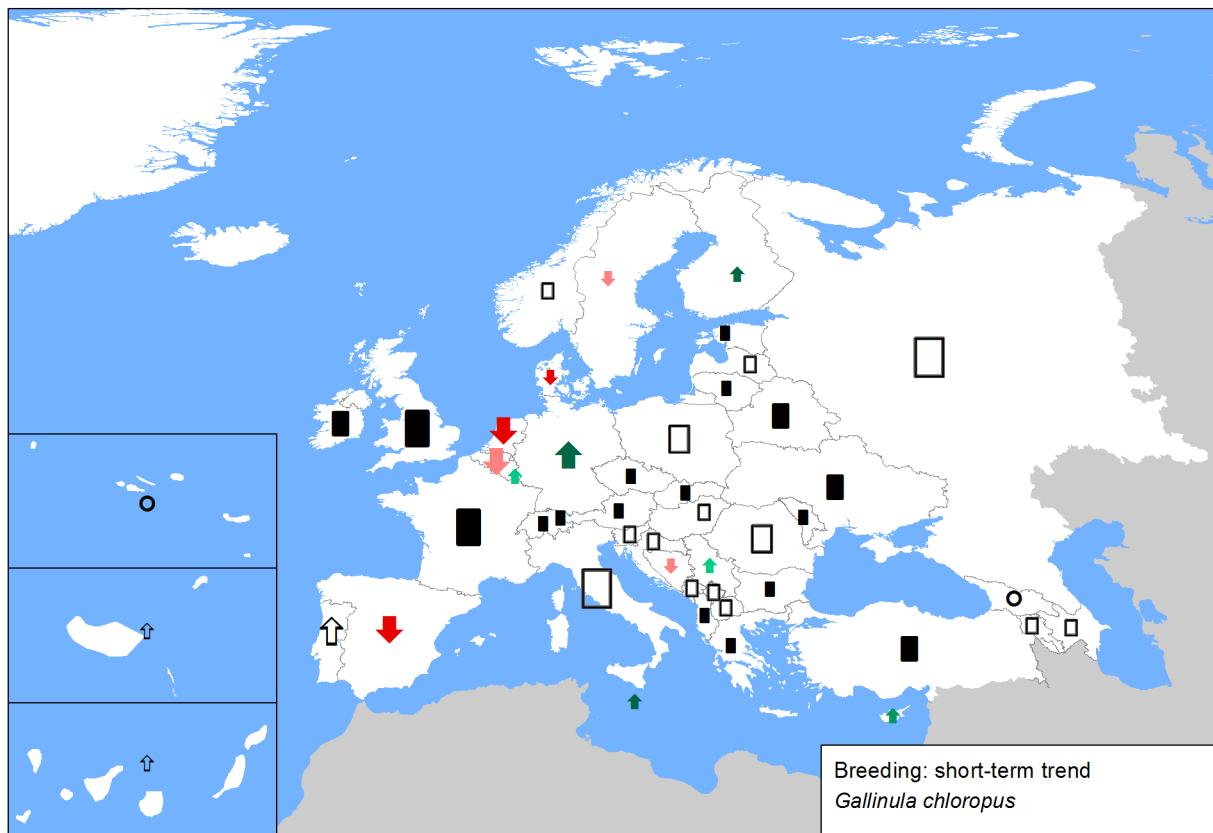
- Stable or fluctuating
- Unknown
- Present (no population or trend data)
- ✗ Extinct since 1980

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.

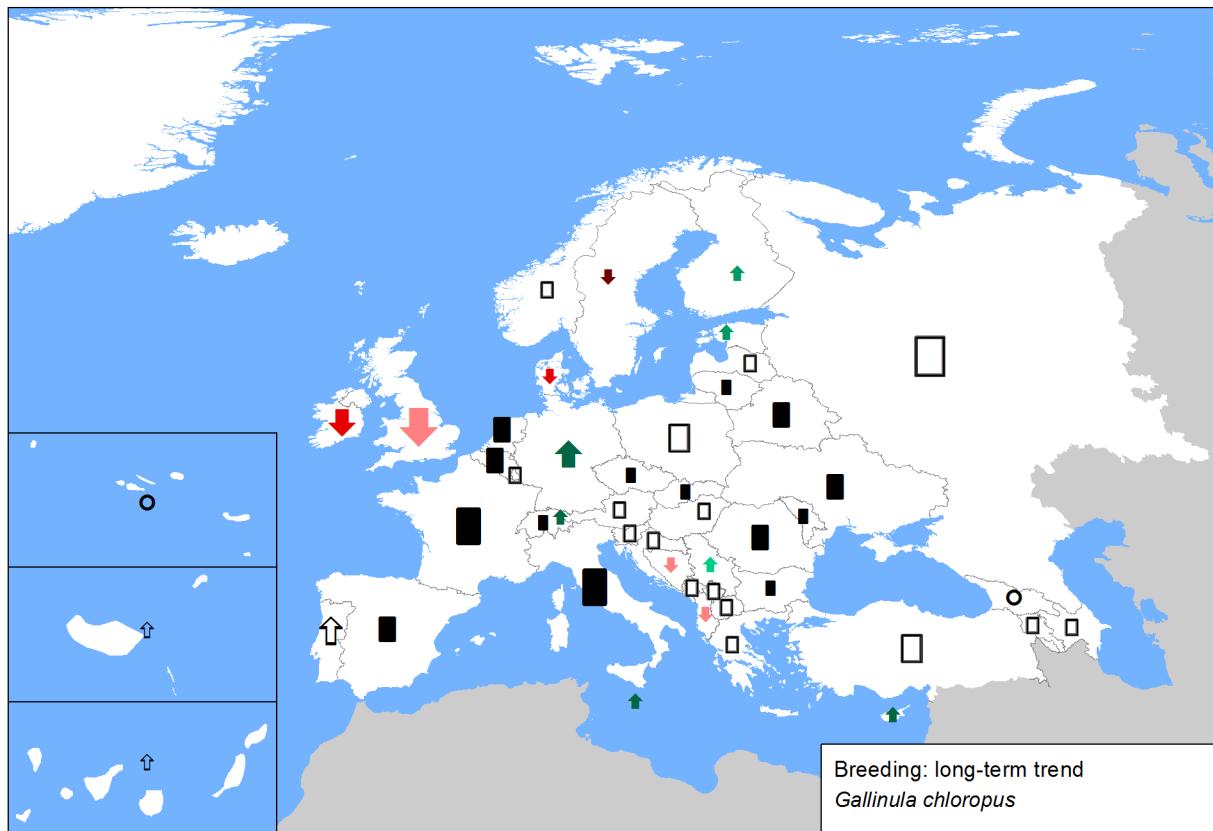
- ↑ Large:  $\geq 10\%$  of the European population
- ↑ Medium: 1–9% of the European population
- ↑ Small: <1% of the European population

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.



*Gallinula chloropus* (Common Moorhen)

## Sources

### Albania

Breeding population size: Bino pers. obs.

Breeding short-term trend: Bino pers. obs.

Breeding long-term trend: Bino pers. obs.

### Armenia

Breeding population size: ASPB data

### Austria: *G. c. chloropus*, Europe & North Africa

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

### Azerbaijan

Breeding population size: BirdLife International 2004

### Belarus

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

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

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

### Belgium: *G. c. chloropus*, Europe & North Africa

Breeding population size: Data Breeding Bird atlas Wallonia (Jacob et al 2010), Brussels (Weiserbs 2012) and Flanders (Vermeersch et al 2004) in combination with trend data.

Breeding short-term trend: Common bird monitoring schemes

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: unpublis data

Breeding short-term trend: unpublis data

Breeding long-term trend: unpublis data

### Bulgaria: *G. c. chloropus*, Europe & North Africa

Breeding population size: Iankov, P. (ed.). 2007. Atlas of Breeding Birds in Bulgaria. BSPB Conservation Series Book 10. BSPB GIS related ornithological database

Breeding short-term trend: Iankov, P. (ed.). 2007. Atlas of Breeding Birds in Bulgaria. BSPB Conservation Series Book 10. BSPB GIS related ornithological database

Breeding long-term trend: Iankov, P. (ed.). 2007. Atlas of Breeding Birds in Bulgaria. BSPB Conservation Series Book 10. BSPB GIS related ornithological database Cramp, S. & K. E. L. Simmons. 1980. The Birds of the Western Palearctic, Vol. 2. Simeonov, S., T. Michev & D. Nankinov. 1990. Fauna of Bulgaria, Vol. 20 Aves-I.

### Croatia

Breeding population size: BiE III Work group, Croatia

Breeding short-term trend: BiE III Work group, Croatia

Breeding long-term trend: BiE III Work group, Croatia

### Cyprus: *G. c. chloropus*, Europe & North Africa

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.

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.

Breeding long-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 BirdLife Cyprus bird sightings records reported in the society's annual reports; Whaley DJ & Dawes JC, 2003 Cyprus breeding Birds' Atlas; Flint & Stewart BOU Checklist no.6 (1992) The Birds of Cyprus

### Czech Republic: *G. c. chloropus*, Europe & North Africa

Breeding population size: STASTNY K., BEJCEK V. & HUDEC K. 2006: Atlas hñizdñho rozsireni ptaku v Ceske republike. Aventinum Praha. JPSP: <http://jpsc.birds.cz/vysledky.php?taxon=468>

Breeding short-term trend: JPSP: <http://jpsc.birds.cz/vysledky.php?taxon=468>

Breeding long-term trend: JPSP: <http://jpsc.birds.cz/vysledky.php?taxon=468>

## *Gallinula chloropus* (Common Moorhen)

### **Denmark: G. c. chloropus, Europe & North Africa**

**Breeding population size:** BIRDLIFE INTERNATIONAL (2004) Birds in Europe: population estimates, trends and conservation status. Wageningen, The Netherlands: BirdLife International. (BirdLife Conservation Series No. 12) Heldbjerg, H. & Lerche-Jørgensen, M. (2012): Overvågning af de danske almindelige fuglearter i Danmark 1975-2011. Årsrapport for Punkttællingsprojektet. Dansk Ornitoligisk Forening. (The Danish Point Count Census for breeding birds during the period 1999-2011)

**Breeding short-term trend:** Heldbjerg, H. & Lerche-Jørgensen, M. (2012): Overvågning af de danske almindelige fuglearter i Danmark 1975-2011. Årsrapport for Punkttællingsprojektet. Dansk Ornitoligisk Forening. (The Danish Point Count Census for breeding birds during the period 1999-2011)

**Breeding long-term trend:** Heldbjerg, H. & Lerche-Jørgensen, M. (2012): Overvågning af de danske almindelige fuglearter i Danmark 1975-2011. Årsrapport for Punkttællingsprojektet. Dansk Ornitoligisk Forening. (The Danish Point Count Census for breeding birds during the period 1980-2011)

### **Estonia: G. c. chloropus, Europe & North Africa**

**Breeding population size:** Elts, J., Leito, A., Leivits, A., Luigjõe, 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](http://www.eoy.ee/hirundo/file_download/149/Elts_et_al_2013_2.pdf)

**Breeding short-term trend:** Elts, J., Leito, A., Leivits, A., Luigjõe, 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](http://www.eoy.ee/hirundo/file_download/149/Elts_et_al_2013_2.pdf)

**Breeding long-term trend:** Elts, J., Leito, A., Leivits, A., Luigjõe, 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](http://www.eoy.ee/hirundo/file_download/149/Elts_et_al_2013_2.pdf)

### **Finland: G. c. chloropus, Europe & North Africa**

**Breeding population size:** Väisänen, Risto A., Harjo, Martti & Saurola, Pertti 2011: Population estimates of Finnish birds. In: Valkama, Jari, Vepsäläinen, Ville & Lehikoinen, Aleksi 2011: The Third Finnish Breeding Bird Atlas. – Finnish Museum of Natural History and Ministry of Environment. (cited [15.11.2013]) ISBN 978-952-10-7145-4.

**Breeding short-term trend:** BirdLife Finland 2013: Regional observation summary database of Finnish Birdwatching societies on scarce bird species.

**Breeding long-term trend:** BirdLife Finland 2013: Regional observation summary database of Finnish Birdwatching societies on scarce bird species.

### **France: G. c. chloropus, Europe & North Africa**

**Breeding population size:** ROCHE J.E., MULLER Y. & SIBLET J.-Ph. 2013 Une méthode d'estimation des oiseaux nicheurs de France, SEO/F, p. 241-268 Roché J. 1982 Structure de l'avifaune des étangs de la plaine de Saône : influence de la superficie et de la diversité végétale, p. 193-215 Roché J. 1995 Diversité et conservation des peuplements d'oiseaux nicheurs dans les paysages du Centre Est de la France, ONC, 60 p. Roché J. 1978 Dénombrements d'oiseaux aquatiques en Côte d'Or et Saône et Loire, p. 60-71

**Breeding short-term trend:** <http://vigenature.mnhn.fr/page/gallinule-poule-d-eau> Frochot B. & Roché J. 1990 Suivi de populations d'oiseaux nicheurs par la méthode des indices ponctuels d'abondance (I.P.A.), p. 29-35 Roché J. 1995 Diversité et conservation des peuplements d'oiseaux nicheurs dans les paysages du Centre Est de la France, ONC, 60 p.

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### **Georgia**

**Breeding population size:** BirdLife International 2004

### **Germany: G. c. chloropus, Europe & North 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 häufiger Brutvögel

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

### **Greece: G. c. chloropus, Europe & North Africa**

**Breeding population size:** Hellenic Ornithological Society database

**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).

### **Hungary: G. c. chloropus, Europe & North Africa**

**Breeding population size:** MME Nomenclator Bizottság (2008): Magyarország madarainak névjegyzéke. Nomenclator avium Hungariae. Magyar Madártani és Természetvédelmi Egyesület, Budapest. p. 27

### **Republic of Ireland: G. c. chloropus, Europe & North Africa**

**Breeding population size:** Balmer, D., Gillings, S., Caffrey, B., Swan, B., Downie, I. & Fuller, R. (2013) Bird Atlas 2007-11 The breeding and wintering birds of Britain and Ireland. British Trust for Ornithology. Gibbons D.W., Reid J.B. & Chapman R.A. (1993) The New Atlas of Breeding Birds in Britain and Ireland 1988-1991. Poyser, London.

**Breeding short-term trend:** Balmer, D., Gillings, S., Caffrey, B., Swan, B., Downie, I. & Fuller, R. (2013) Bird Atlas 2007-11 The breeding and wintering birds of Britain and Ireland. British Trust for Ornithology. Gibbons D.W., Reid J.B. & Chapman R.A. (1993) The New Atlas of Breeding Birds in Britain and Ireland 1988-1991. Poyser, London.

**Breeding long-term trend:** Balmer, D., Gillings, S., Caffrey, B., Swan, B., Downie, I. & Fuller, R. (2013) Bird Atlas 2007-11 The breeding and wintering birds of Britain and Ireland. British Trust for Ornithology. Gibbons D.W., Reid J.B. & Chapman R.A. (1993) The New Atlas of Breeding Birds in Britain and Ireland 1988-1991. Poyser, London. Tucker, G.M. & Heath, M.F. (1994) Birds in Europe: their conservation status. Cambridge, U.K. : BirdLife International (BirdLife Conservation Series No. 3).

### **Italy: G. c. chloropus, Europe & North Africa**

**Breeding population size:** Brichetti P & Fracasso G. 2004. Ornitologia italiana. Vol.2 (Tetraonidae-Scolopacidae). Alberto Perdisa Editore, Bologna

**Breeding short-term trend:** Brichetti P & Fracasso G. 2004. Ornitologia italiana. Vol.2 (Tetraonidae-Scolopacidae). Alberto Perdisa Editore, Bologna Gustin M, Brambilla M & Celada C. 2010. Valutazione dello stato di Conservazione dell'avifauna italiana. Volume I, Non-Passeriformes. Ministero dell'Ambiente e della Tutela del Territorio e del Mare, Lega Italiana Protezione Uccelli (LIPU)

## *Gallinula chloropus* (Common Moorhen)

### **Italy: G. c. chloropus, Europe & North Africa**

**Breeding long-term trend:** Tucker GM & Heath MF. 1994. Birds in Europe. Their conservation status. Cambridge, UK: BirdLife International. BirdLife Conservation Series No. 3 BirdLife International 2004. Birds in Europe: population estimates, trends and conservation status Cambridge, UK: BirdLife International. BirdLife Conservation Series No. 12 Brichetti P & Fracasso G. 2004. Ornitologia italiana. Vol.2 (Tetraonidae-Scolopacidae). Alberto Perdisa Editore, Bologna Gustin M, Brambilla M & Celada C. 2010. Valutazione dello stato di Conservazione dell'avifauna italiana. Volume I, Non-Passeriformes. Ministero dell'Ambiente e della Tutela del Territorio e del Mare, Lega Italiana Protezione Uccelli (LIPU)

### **Kosovo**

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

### **Latvia: G. c. chloropus, Europe & North Africa**

**Breeding population size:** Viesturs Kerus: viesturs@lob.lv Kerus V. 2011. Latvijas ligzdojoso putnu stavokla parmainas laika no 1980. līdz 2010. gadam. Promocijas darbs. Riga: Latvijas Universitate

### **Liechtenstein**

**Breeding population size:** Willi, G. (2014) Unpublished collection data

**Breeding short-term trend:** Willi, G. (2006) Die Vögel des Fürstentums Liechtenstein. Amtlicher Lehrmittelverlag, Vaduz (Naturkundliche Forschung im Fürstentum Liechtenstein, Bd. 22., Willi; G. (2014) Unpublished data

**Breeding long-term trend:** Willi, G. & M.F. Broggi (1985) Die Vogelwelt des Fürstentums Liechtenstein unter Berücksichtigung der benachbarten Gebiete; Teil II: Galliformes (Hühnervögel) – Piciformes (Spechtvögel). Ber. Bot.-Zool. Ges. Liechtenstein-Sargans-Werdenberg, Band 14, S. 103-143.; Willi, G. (2006) Die Vögel des Fürstentums Liechtenstein. Amtlicher Lehrmittelverlag, Vaduz (Naturkundliche Forschung im Fürstentum Liechtenstein, Bd. 22.

### **Lithuania: G. c. chloropus, Europe & North Africa**

**Breeding population size:** Expert working group of the Lithuanian Ornithological Society (lod@birdlife.lt) Jusys, V., Karalius, S., Raudonikis, L. 2012. Lietuvos paukščių pažinimo vadovas. Kaunas: „Lututė“, 288 p.

**Breeding short-term trend:** Expert working group of the Lithuanian Ornithological Society (lod@birdlife.lt) Jusys, V., Karalius, S., Raudonikis, L. 2012. Lietuvos paukščių pažinimo vadovas. Kaunas: „Lututė“, 288 p. Kurlavičius, P. (ed.) 2006. Lietuvos perinčių paukščių atlasas. Kaunas: „Lututė“, 256 p. Raudonikis L. 2004. Lithuania. In: Birds in Europe: population estimates, trends, and conservation status. BirdLife International, BirdLife Conservation Series No12, Cambridge, UK.

**Breeding long-term trend:** Expert working group of the Lithuanian Ornithological Society (lod@birdlife.lt) BirdLife International/European Bird Census Council. 2000. European bird populations: estimates and trends. Cambridge, UK: BirdLife International (BirdLife Conservation Series No. 10). Kurlavičius, P. (ed.) 2006. Lietuvos perinčių paukščių atlasas. Kaunas: „Lututė“, 256 p.

### **Luxembourg: G. c. chloropus, Europe & North Africa**

**Breeding population size:** LUXOR (2013): NATUR&EMWELT - BIRD-DATABASE, LUXEMBOURG Recorder (2013): database, Musée national d'histoire naturelle, Luxembourg Konter A. (2010): Wasservögel an der Sauer im Raum Echternach: Bestand und Ausblick. Wissenschaftliche Berichte, 25: 41-55 (<http://www.luxnatur.lu/publi/wb25001144.pdf>) Biver, G. (2013): Waterbird count - recensement hivernal des oiseaux d'eau 2009-2012. Regulus Wissenschaftliche Berichte, 28: 43-58.

**Breeding short-term trend:** LUXOR (2013): NATUR&EMWELT - BIRD-DATABASE, LUXEMBOURG Recorder (2013): database, Musée national d'histoire naturelle, Luxembourg Konter A. (2010): Wasservögel an der Sauer im Raum Echternach: Bestand und Ausblick. Wissenschaftliche Berichte, 25: 41-55 (<http://www.luxnatur.lu/publi/wb25001144.pdf>) Biver, G. (2013): Waterbird count - recensement hivernal des oiseaux d'eau 2009-2012. Regulus Wissenschaftliche Berichte, 28: 43-58.

**Breeding long-term trend:** LUXOR (2013): NATUR&EMWELT - BIRD-DATABASE, LUXEMBOURG Recorder (2013): database, Musée national d'histoire naturelle, Luxembourg Konter A. (2010): Wasservögel an der Sauer im Raum Echternach: Bestand und Ausblick. Wissenschaftliche Berichte, 25: 41-55 (<http://www.luxnatur.lu/publi/wb25001144.pdf>) Biver, G. (2013): Waterbird count - recensement hivernal des oiseaux d'eau 2009-2012. Regulus Wissenschaftliche Berichte, 28: 43-58.

### **The Former Yugoslav Republic of Macedonia**

**Breeding population size:** M. Velevski, unedited data

### **Malta: G. c. chloropus, Europe & North Africa**

**Breeding population size:** Baldacchino, A.E. & Azzopardi, J. (2012): Breeding Birds of the Maltese Islands - A Scientific and Historical Review. Malta: Malta University Publishing. Raine, A. (2009): 2009 Rare Breeding Bird Report. Malta: BirdLife Malta. Sultana, J.; Borg, J.J.; Gauci, C. & Falzon, V. (2011): The Breeding Birds of Malta. Malta: BirdLife Malta & BDL Publishing.

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**Breeding long-term trend:** Baldacchino, A.E. & Azzopardi, J. (2007): L-Ġhasafar li Jbejt il-Ambient Naturali tal-Gżejjer Maltin. Malta: Malta University Publishers Ltd. Baldacchino, A.E. & Azzopardi, J. (2012): Breeding Birds of the Maltese Islands - A Scientific and Historical Review. Malta: Malta University Publishing. Fenech, N. (2010): A Complete Guide to the Birds of Malta: Gutenberg Press Ltd. Raine, A. (2009): 2009 Rare Breeding Bird Report. Malta: BirdLife Malta. Sultana, J.; Borg, J.J.; Gauci, C. & Falzon, V. (2011): The Breeding Birds of Malta. Malta: BirdLife Malta & BDL Publishing.

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**Breeding population size:** The Atlas of the Breeding Birds of Republic of Moldova. 2010. 100p.

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**Breeding long-term trend:** The Atlas of the Breeding Birds of Republic of Moldova. 2010. 100p. Аверин Ю. В., Ганя И.М., Успенский Г. Птицы Молдавии, том 2, Кишинев, 1971, 240p Burfield I., Bommel van F., Birds in Europe. Population estimates, trends and conservation status. BirdLife International. Oxford, 2004. 374p.

### **Montenegro**

**Breeding population size:** Puzovic, S., Simic, D., Saveljić, D., Gergelj, J., Tucakov, M., Stojnic, N., Hulo, I., Ham, I., Vizi, O., Sciban, M., Ruzic, M., Vukanovic, M., Jovanovic, T. (2004): Birds of Serbia and Montenegro – Size of nesting populations. I trends: 1990-2002. Ciconia 12,

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### **Netherlands: G. c. chloropus, Europe & North Africa**

Breeding population size: NEM, Sovon en CBS, SOVON (2002)

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

Breeding long-term trend: NEM, Sovon en CBS

### **Norway**

Breeding population size: Artsobservasjoner.no & county bird reports, Shimmings & Øien 2015

### **Poland: G. c. chloropus, Europe & North 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 Ptasiej w Polsce w zakresie Monitoringu Ptaków Polski w Państwowym Monitoringu Środowiska. Sprawozdanie dla Głównego Inspektoratu Ochrony Środowiska. OTOP, Marki.

Breeding short-term trend: MPM: Neubauer G., Zieliński P. 2012. Monitoring Ptaków Mokradel. In: Podsumowanie sezonu lęgowego Monitoringu Ptaków Polski w 2012 r. OTOP, MiZ, KOO, SOS: 47-61 (source: [http://monitoringptakow.gios.gov.pl/raporty?file=files/pliki/raporty\\_faza4/RaportMPP4\\_etap1\\_zad2%264\\_wiosna2012.pdf](http://monitoringptakow.gios.gov.pl/raporty?file=files/pliki/raporty_faza4/RaportMPP4_etap1_zad2%264_wiosna2012.pdf))

### **Portugal: G. c. chloropus, Europe & North Africa**

Breeding population size: BirdLife International 2004

Breeding short-term trend: Informação ICNF

Breeding long-term trend: Informação ICNF

### **PT: Azores: G. c. chloropus, Europe & North Africa**

### **PT: Madeira: G. c. chloropus, Europe & North Africa**

Breeding population size: Equipa Atlas, 2013 - [http://www.atlasdasaves.netmadeira.com/index.php?option=com\\_content&view=article&id=82&Itemid=80](http://www.atlasdasaves.netmadeira.com/index.php?option=com_content&view=article&id=82&Itemid=80) =pt

Breeding short-term trend: Equipa Atlas, 2013 - [http://www.atlasdasaves.netmadeira.com/index.php?option=com\\_content&view=article&id=82&Itemid=80](http://www.atlasdasaves.netmadeira.com/index.php?option=com_content&view=article&id=82&Itemid=80) =pt Nunes, J. & Fagundes, I. (2004). Novas Espécies Nidificantes no Arquipélago da Madeira Galinha-d'água Gallinula chloropus e Lugar Carduelis spinus. Congresso Internacional Aves do Atlântico. 29 de Out a 1 de Nov 2004. São Vicente, Madeira.

Breeding long-term trend: This species has seen its nesting confirmed only in the early 2000s (Fagundes & Nunes, 2004), showing since a significant increase in its effective population in the archipelago.

### **Romania: G. c. chloropus, Europe & North Africa**

Breeding population size: SOR database

Breeding short-term trend: BirLife International (2004) Birds in Europe: population estimates, trebds and conservation status. Cambridge, UK Papp T., Fântână C. – editori 2008, Ariile de Importanță Avifaunistică din România, Publicație Comună a Societății Ornitológice Române și a Asociației „Grupul Milvus”

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

### **Russia**

Breeding population size: Mischenko A.L. (ed.) 2004. Estimation of numbers and trends for birds of the European part of Russia («Birds in Europe-II»). Moscow, RBCU (in Russian). Belik V.P. 2005. Cadastre of breeding avifauna of South Russia. - Strepet 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 Krivenko V.G., Vinogradov V.G. 2008. Birds of the Water Environment and Rhythms of Climate of the Northern Eurasia. Moscow: 588 p. (in Russian).

Breeding short-term trend: Borodin O.V., Smirnova S.L., unpublished. spinus73@mail.ru 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). Shepel A.I., unpublished. shai53@mail.ru

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### **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: G. c. chloropus, Europe & North Africa**

Breeding population size: Danko Štefan, Darolová Alžbeta, Krištín Anton: Rozšírenie vtákov na Slovensku. VEDA, vyd. SAV Bratislava, 2002.

Breeding short-term trend: Danko Štefan, Darolová Alžbeta, Krištín Anton: Rozšírenie vtákov na Slovensku. VEDA, vyd. SAV Bratislava, 2002.

Breeding long-term trend: Danko Štefan, Darolová Alžbeta, Krištín Anton: Rozšírenie vtákov na Slovensku. VEDA, vyd. SAV Bratislava, 2002.

### **Slovenia: G. c. chloropus, Europe & North Africa**

Breeding population size: Mihelič, T. (2013): Novi ornitološki atlas gnezdzilk Slovenije 2002-2010. Internetna baza podatkov. Spletna stran: <http://www.ptice.si/atlas>. Društvo za opazovanje in proučevanje ptic Slovenije, DOPPS - BirdLife Slovenija. Ljubljana.

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### Slovenia: G. c. chloropus, Europe & North Africa

**Breeding short-term trend:** Mihelič, T. (2013): Novi ornitološki atlas gnezdkl Slovenije 2002-2010. Internetna baza podatkov. Spletna stran: <http://www.ptice.si/atlas>. Društvo za opazovanje in proučevanje ptic Slovenije, DOPPS - BirdLife Slovenija. Ljubljana.

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### Spain: G. c. chloropus, Europe & North Africa

**Breeding population size:** Palomino, D. y B. Molina (Eds) (2009). Aves acuáticas reproductoras en España, Población en 2007 y método de censo. Seguimiento de Aves 26. SEO/BirdLife. Madrid. 210 pp. ([http://www.magrama.gob.es/es/biodiversidad/temas/inventarios-nacionales/26\\_aves\\_acuaticas\\_reproductoras\\_tcm7-218238.pdf](http://www.magrama.gob.es/es/biodiversidad/temas/inventarios-nacionales/26_aves_acuaticas_reproductoras_tcm7-218238.pdf))

**Breeding short-term trend:** SEO/BirdLife (2012). Programas de seguimiento SEO/BirdLife en 2011. 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](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.magrama.gob.es/es/biodiversidad/temas/inventarios-nacionales/inventario-especies-terrestres/ieet_aves_sist_seg_tendencia_comunes_esp.aspx)

**Breeding long-term trend:** 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) Purroy, F.J. (Coord.) (1997). Atlas de las aves de España (1975-1995). SEO/BirdLife. Lynx Edicions. Barcelona. 583 pp.

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**Breeding population size:** Emmerson, K. W., J. A. Lorenzo, R. Barone, D. Trujillo & G. Delgado. 1991. Resultados del censo de las aves acuáticas nidificantes en Canarias. Ornistro S. L./Tragsatec. Informe no publicado. 38 pp. Martín, A. & J. A. Lorenzo. 2001. Aves del Archipiélago Canario. Francisco Lemus Editor. La Laguna. 787 pp. Lorenzo, J.A. 2007 (ed). Atlas de las Aves Nidificantes en el Archipiélago Canario (1997-2003). Dirección General de Conservación de la Naturaleza-Sociedad Española de Ornitología. Madrid. 520 pp.

**Breeding short-term trend:** Emmerson, K. W., J. A. Lorenzo, R. Barone, D. Trujillo & G. Delgado. 1991. Resultados del censo de las aves acuáticas nidificantes en Canarias. Ornistro S. L./Tragsatec. Informe no publicado. 38 pp. Martín, A. & J. A. Lorenzo. 2001. Aves del Archipiélago Canario. Francisco Lemus Editor. La Laguna. 787 pp. Lorenzo, J.A. 2007 (ed). Atlas de las Aves Nidificantes en el Archipiélago Canario (1997-2003). Dirección General de Conservación de la Naturaleza-Sociedad Española de Ornitología. Madrid. 520 pp.

**Breeding long-term trend:** Emmerson, K. W., J. A. Lorenzo, R. Barone, D. Trujillo & G. Delgado. 1991. Resultados del censo de las aves acuáticas nidificantes en Canarias. Ornistro S. L./Tragsatec. Informe no publicado. 38 pp. Martín, A. & J. A. Lorenzo. 2001. Aves del Archipiélago Canario. Francisco Lemus Editor. La Laguna. 787 pp. Lorenzo, J.A. 2007 (ed). Atlas de las Aves Nidificantes en el Archipiélago Canario (1997-2003). Dirección General de Conservación de la Naturaleza-Sociedad Española de Ornitología. Madrid. 520 pp.

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**Breeding population size:** Ottosson, U., Ottvall, R., Elmberg, J., Green, M., Gustafsson, R., Haas, F., Holmqvist, N., Lindström, Å., Nilsson, L., Svensson, M., Svensson, S. & Tjernberg, M. 2012. Fåglarna i Sverige - antal och förekomst. Sveriges Ornitolologiska Förening, Halmstad.

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

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

### Switzerland

**Breeding population size:** Original estimate: Schmid, H., R. Luder, B. Naef-Daenzer, R. Graf & N. Zbinden (1998): Schweizer Brutvogelatlas. Verbreitung der Brutvögel in der Schweiz und im Fürstentum Liechtenstein 1993-1996/Atlas des oiseaux nicheurs de Suisse. Distribution des oiseaux nicheurs en Suisse et au Liechtenstein en 1993-1996. Schweizerische Vogelwarte/Station ornithologique suisse, Sempach. Swiss Ornithological Institute: checked with population trend: no change.

**Breeding short-term trend:** Swiss Ornithological Institute: <http://www.vogelwarte.ch/monitoring-breeding-birds-in-wetlands.html> 95% Confidence interval see point 3.3.

**Breeding long-term trend:** Swiss Ornithological Institute: <http://www.vogelwarte.ch/monitoring-breeding-birds-in-wetlands.html> 95% Confidence interval see point 3.3.

### Turkey

**Breeding population size:** Birdlife International (2004) Birds in Europe: population estimates, trends and conservation status, Cambridge UK: Birdlife International (Birdlife Conservation series no: 12) [www.kusbanks.org](http://www.kusbanks.org)

**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)

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