

## *Zapornia parva* (Little Crane)

### European Red List of Birds

### Supplementary Material

The European Union (EU28) 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 2019-20. 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 (2021).

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Species factsheet bibliography

#### Recommended citation

BirdLife International (2021) European Red List of Birds. Luxembourg: Publications Office of the European Union.

#### Further information

<http://datazone.birdlife.org/info/euroredlist>  
<http://www.birdlife.org/europe-and-central-asia/european-red-list-birds-0>  
<http://www.iucnredlist.org/regions/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).

*Zapornia parva* (Little Crane)

**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>5</sup>				Long-term population trend <sup>5</sup>				Subspecific population (where relevant)
	Size (pairs) <sup>3</sup>	Europe (%)	Year(s)	Method <sup>4</sup>	Direction <sup>6</sup>	Magnitude (%) <sup>7</sup>	Year(s)	Method <sup>4</sup>	Direction <sup>6</sup>	Magnitude (%) <sup>7</sup>	Year(s)	Method <sup>4</sup>	
Armenia		<1	2013-2018	complete	?		2007-2018		?		2003-2018	deficient	
Austria	1500–3000	4	2013-2018	expert	0		2007-2018	partial	-	-90 to -70	1981-2018	partial	
Azerbaijan	50–500	<1	1996-2000	expert	?		2013-2019	expert	?		1980-2019	expert	
Belarus	2000–3000	4	2010-2018	partial	0	-10 to 10	2012-2019	expert	0	-10 to 10	1980-2019	expert	
Bosnia & HG	5–10	<1	2015-2018	complete	?		2007-2018		?		1980-2018	deficient	
Bulgaria	300–600	<1	2005-2018	partial	?		2001-2018	deficient	?		1980-2018	deficient	
Croatia	80–250	<1	2013-2018	expert	?		2007-2018	deficient	?		1980-2018	deficient	
Czechia	20–40	<1	2014-2017	complete	?		2007-2018	deficient	?		1980-2018	deficient	
Estonia	40–100	<1	2013-2017	partial	0	-9 to -5	2006-2017	partial	-		1980-2017	partial	
Finland	1–15	<1	2013-2018	partial	F		2007-2018	partial	?		1980-2018	expert	
France	2–8	<1	2013-2018	expert	?		2007-2017	expert	?		1980-2018	deficient	
Georgia	present	<1		deficient	?			deficient	?				
Germany	0	<1	2011-2016	deficient	?		2004-2016	deficient	?		1980-2016	deficient	
Greece	10–50	<1	2015	partial	0		2007-2018	partial	0		1980-2018	partial	
Hungary	1000–3000	3	2014-2018	expert	0		2007-2018	expert	-	-66 to -40	1990-2018	expert	
Italy	5–20	<1	2013-2018	expert	?		2007-2018	deficient	-		1993-2018	expert	
Kosovo	0–5	<1	2007-2019	partial	?		2007-2018	deficient	?		1990-2018	partial	
Latvia	200–500	<1	2013-2018	partial	-	-13 to -8	2012-2018	partial	+	320 to 361	1991-2017	partial	
Lithuania	400–600	<1	2013-2018	partial	+	20 to 35	2013-2018	partial	?		1980-2018	partial	
North Macedonia	0–10	<1	2014-2019	expert	?		2007-2018	expert	?		1980-2019		
Moldova	28–50	<1	2014-2017	deficient	?		2007-2018	deficient	?		1990-2018	deficient	
Poland	1500–2000	3	2013-2018	expert	?		2007-2018	deficient	?		1980-2018	deficient	
Romania	3600–36000	19	2013-2018	expert	?		2007-2018	deficient	?		1980-2018	deficient	
Russia	15000–26000	32	2008-2018	partial	?		2008-2018	deficient	?		1980-2018	deficient	
Serbia	210–430	<1	2013-2018	partial	?	-10 to 10	2007-2018	expert	?	-10 to 10	1980-2018	expert	
Slovakia	50–100	<1	2013-2018	partial	-	-20 to -10	2007-2018	partial	-	-50 to -30	1980-2018	partial	
Slovenia	20–40	<1	2013-2018	complete	?		2005-2018	complete	?		1980-2018	deficient	
Switzerland	1–5	<1	2013–2016	complete	F		2007-2018	partial	F		1990-2018	partial	
Turkey	10–100	<1	2002-2012	partial	?		2008-2019	deficient	?		1980-2013	deficient	
Ukraine	15000–25000	32	2015-2017	partial	?		2007-2018	deficient	F		1980-2018	deficient	
EU28	8700–46400	31											
<b>Europe</b>	<b>41000–102000</b>	<b>100</b>											

*Zapornia parva* (Little Crane)

**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>5</sup>				Long-term population trend <sup>5</sup>				Subspecific population (where relevant)
	Size (pairs) <sup>3</sup>	Europe (%)	Year(s)	Method <sup>4</sup>	Direction <sup>6</sup>	Magnitude (%) <sup>7</sup>	Year(s)	Method <sup>4</sup>	Direction <sup>6</sup>	Magnitude (%) <sup>7</sup>	Year(s)	Method <sup>4</sup>	

<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 'method used' (replacing the data 'quality' assessment in the 2015 European Red List) is reported as: a) Complete: complete survey or a statistically robust estimate; b) Partial: based mainly on extrapolation from a limited amount of data; c) Expert: based mainly on expert opinion with very limited data; d) Defficient: insufficient or no data available.

<sup>5</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>6</sup> Trend directions are reported as: increasing (+); decreasing (-); stable (0); fluctuating (F); or unknown (?).

<sup>7</sup> Trend magnitudes are rounded to the nearest integer.

*Zapornia parva* (Little Crane)

**Table 2.** Reported national wintering population sizes and trends in Europe<sup>1</sup>. Note that some countries within the species' wintering range did not report any data, and that only minimum totals are presented, to avoid double-counting of birds moving between countries.

Country (or territory) <sup>2</sup>	Population estimate				Short-term population trend <sup>5</sup>				Long-term population trend <sup>5</sup>				Subspecific population (where relevant)
	Size (individuals) <sup>3</sup>	Europe (%)	Year(s)	Method <sup>4</sup>	Direction <sup>6</sup>	Magnitude (%) <sup>7</sup>	Year(s)	Method <sup>4</sup>	Direction <sup>6</sup>	Magnitude (%) <sup>7</sup>	Year(s)	Method <sup>4</sup>	
Croatia	10	100	2013-2018	expert	?		2007-2018	deficient	?		1980-2013	deficient	
EU28	10	100											
<b>Europe</b>	<b>10</b>	<b>100</b>											

<sup>1</sup> See 'Sources' at end of factsheet, and for more details on individual EU Member State reports, see the Article 12 reporting portal at <http://bd.eionet.europa.eu/article12/report>.

<sup>2</sup> The designation of geographical entities and the presentation of the material do not imply the expression of any opinion whatsoever on the part of IUCN or BirdLife International concerning the legal status of any country, territory or area, or of its authorities, or concerning the delimitation of its frontiers or boundaries.

<sup>3</sup> In the few cases where population size estimates were reported in units other than those specified, they were converted to the correct units using standard correction factors.

<sup>4</sup> The 'method used' (replacing the data 'quality' assessment in the 2015 European Red List) is reported as: a) Complete: complete survey or a statistically robust estimate; b) Partial: based mainly on extrapolation from a limited amount of data; c) Expert: based mainly on expert opinion with very limited data; d) Deficient: insufficient or no data available.

<sup>5</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>6</sup> Trend directions are reported as: increasing (+); decreasing (-); stable (0); fluctuating (F); or unknown (?).

<sup>7</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

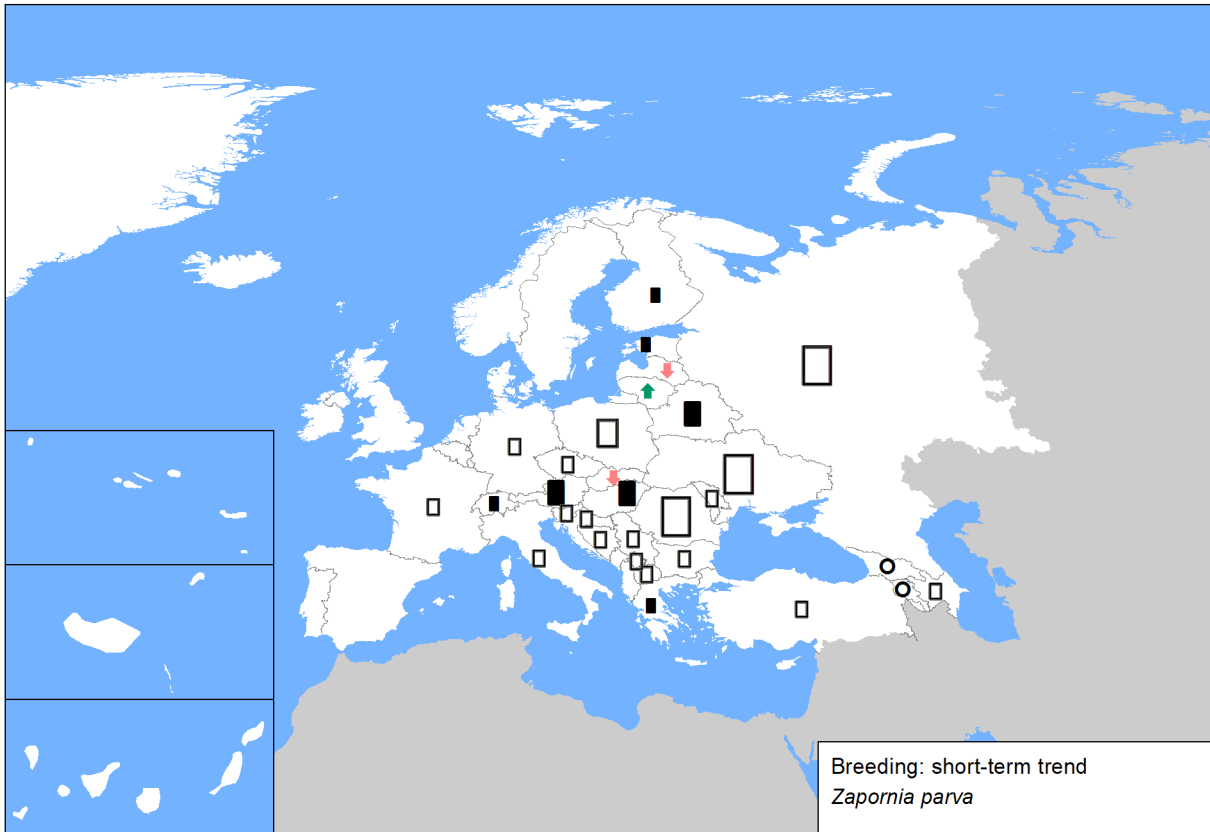
- |   |                                 |
|---|---------------------------------|
| ↑ Large increase (≥50%)                 | ↓ Large decrease (≥50%)         |
| ↑ Moderate increase (20–49%)            | ↓ Moderate decrease (20–49%)    |
| ↑ Small increase (<20%)                 | ↓ Small decrease (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

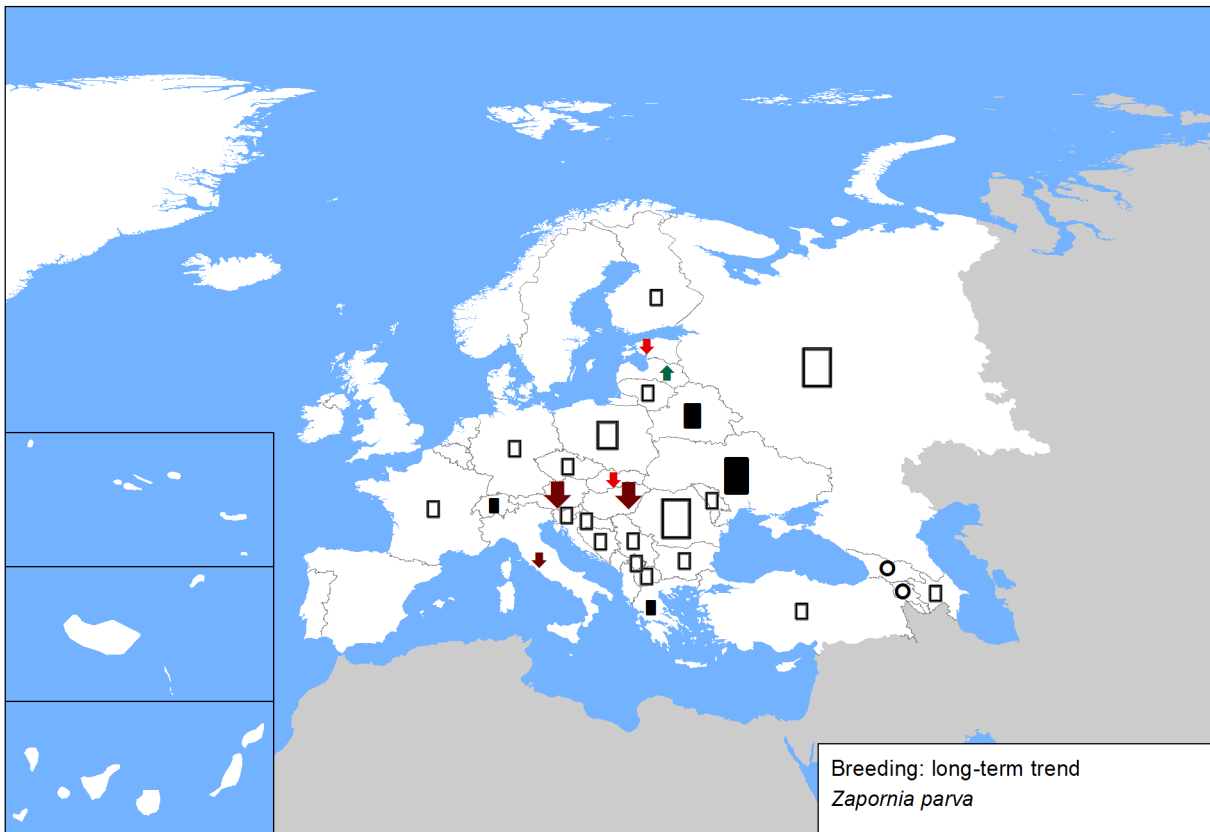
- ↑ Large: ≥10% of the European population
- ↑ Medium: 1–9% of the European population
- ↑ Small: <1% of the European population

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.



**Figure 4.** Reported wintering population sizes and long-term trends across Europe. Note that some countries within the species' wintering range did not report any data.



## Zapornia parva (Little Crane)

### Sources

#### Armenia

<b>Breeding population size:</b> TSE NGO National Bird Monitoring data.
<b>Breeding short-term trend:</b> TSE (2020) The Atlas of the Breeding Birds in Armenia. In preparation.
<b>Breeding long-term trend:</b> TSE (2020) The Atlas of the Breeding Birds in Armenia. In preparation.

#### Austria

<b>Breeding population size:</b> Dvorak & Nemeth 2014; BirdLife Austria, unpublished data from the bird monitoring program of the national park Neusiedler See-Seewinkel
<b>Breeding short-term trend:</b> Dvorak & Nemeth 2014; BirdLife Austria, unpublished data from the bird monitoring program of the national park Neusiedler See-Seewinkel
<b>Breeding long-term trend:</b> Dvorak et al. 1997; Dvorak & Nemeth 2014; BirdLife Austria, unpublished data from the bird monitoring program of the national park Neusiedler See-Seewinkel

#### Azerbaijan

<b>Breeding population size:</b> BirdLife International 2004
<b>Breeding short-term trend:</b> AOS data base
<b>Breeding long-term trend:</b> AOS Data Base

#### Belarus

<b>Breeding population size:</b> Research work of the National Academy of Sciences of the Republic of Belarus "Dynamics and predictive assessment of changes in the state of populations of the main resource and biocenotically most important bird species in Belarus"
<b>Breeding long-term trend:</b> Nikiforov M.E., Kozulin A.V., eds. Belarussian birds at the beginning of XXI century: status, numbers, distribution. - 1997. - Minsk. - 187 p.

#### Bosnia and Herzegovina

<b>Breeding population size:</b> Based on data for EBBA2
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#### Bulgaria

<b>Breeding population size:</b> DELOV, V. Little Crane Porzana parva. Red Data Book of Bulgaria. e-version: <a href="http://e-ecodb.bas.bg/rdb/en/vol2/Poparva.html">http://e-ecodb.bas.bg/rdb/en/vol2/Poparva.html</a> last access: August 2013; National Art. 12 reporting database 2013-2018; IANKOV, P. (ed.) 2007. Atlas of Breeding Birds in Bulgaria. BSPB Conservation Series, Book 10. Sofia. 679 pp. NANKINOV, D., A. DUTSOV, B. NIKOLOV, B. BORISSOV, G. STOYANOV, G. GRADEV, D. GEORGIEV, D. POPOV, D. DOMUSCHIEV, D. KIROV, E. TILOVA, I. NIKOLOV, I. IVANOV, K. DICHEV, K. POPOV, N. KARAIVANOV, N. TODOROV, P. SHURULINKOV, R. STANCHEV, R. ALEKSOV, R. TSONEV, S. DALAKTCHIEVA, S. IVANOV, S. MARIN, S. STAJKOV, S. NIKOLOV & H. NIKOLOV. 2004. Breeding totals of the ornithofauna in Bulgaria, 2004. Green Balkans, Plovdiv. 32 pp.
<b>Breeding short-term trend:</b> DELOV, V. Little Crane Porzana parva. Red Data Book of Bulgaria. e-version: <a href="http://e-ecodb.bas.bg/rdb/en/vol2/Poparva.html">http://e-ecodb.bas.bg/rdb/en/vol2/Poparva.html</a> last access: August 2013; National Art. 12 reporting database 2013-2018; IANKOV, P. (ed.) 2007. Atlas of Breeding Birds in Bulgaria. BSPB Conservation Series, Book 10. Sofia. 679 pp. NANKINOV, D., A. DUTSOV, B. NIKOLOV, B. BORISSOV, G. STOYANOV, G. GRADEV, D. GEORGIEV, D. POPOV, D. DOMUSCHIEV, D. KIROV, E. TILOVA, I. NIKOLOV, I. IVANOV, K. DICHEV, K. POPOV, N. KARAIVANOV, N. TODOROV, P. SHURULINKOV, R. STANCHEV, R. ALEKSOV, R. TSONEV, S. DALAKTCHIEVA, S. IVANOV, S. MARIN, S. STAJKOV, S. NIKOLOV & H. NIKOLOV. 2004. Breeding totals of the ornithofauna in Bulgaria, 2004. Green Balkans, Plovdiv. 32 pp.
<b>Breeding long-term trend:</b> DELOV, V. Little Crane Porzana parva. Red Data Book of Bulgaria. e-version: <a href="http://e-ecodb.bas.bg/rdb/en/vol2/Poparva.html">http://e-ecodb.bas.bg/rdb/en/vol2/Poparva.html</a> last access: August 2013 IANKOV, P. (ed.) 2007. Atlas of Breeding Birds in Bulgaria. BSPB Conservation Series, Book 10. Sofia. 679 pp. NANKINOV, D., A. DUTSOV, B. NIKOLOV, B. BORISSOV, G. STOYANOV, G. GRADEV, D. GEORGIEV, D. POPOV, D. DOMUSCHIEV, D. KIROV, E. TILOVA, I. NIKOLOV, I. IVANOV, K. DICHEV, K. POPOV, N. KARAIVANOV, N. TODOROV, P. SHURULINKOV, R. STANCHEV, R. ALEKSOV, R. TSONEV, S. DALAKTCHIEVA, S. IVANOV, S. MARIN, S. STAJKOV, S. NIKOLOV & H. NIKOLOV. 2004. Breeding totals of the ornithofauna in Bulgaria, 2004. Green Balkans, Plovdiv. 32 pp. SIMEONOV, A., T. MICHEV, D. NANKINOV. 1990. The Fauna of Bulgaria. Vol. 20. AVES. Part I. BAS Press. Sofia. 351 pp.

#### Croatia

<b>Breeding population size:</b> Dumbović Mazal V., Pintar V., Zadavec M. (2019): Prvo izvješće o brojnosti i rasprostranjenosti ptica u Hrvatskoj sukladno odredbama Direktive o pticama. Zavod za ornitologiju (Sanja Barišić, Davor Čiković, Jelena Kralj, Goran Sušić, Vesna Tutiš), Dragan Radović, Ivan Budinski, Robert Crnković, Antun Delić, Dubravko Dender, Vlatka Dumbović, Ivan Darko Grlica, Bariša Ilić, Luka Jurinović, Davor Krnjeta, Krešimir Leskovar, Duje Lisičić, Ivica Lolić, Gordan Lukač, Kristijan Mandić, Krešimir Mikulić, Tibor Mikuska, Gvido Piasevoli, Andrej Radalaj, Zlatko Ružanović, Vlatka Ščetarić, Mirko Šetina, Adrian Tomik (2015): Procjene brojnosti za SPA područja. Državni zavod za zaštitu prirode, Zagreb Tutiš, V., Kralj, J., Radović, D., Čiković, D., Barišić, S. (ur.) (2013): Crvena knjiga ptica Hrvatske. Ministarstvo zaštite okoliša i prirode, Državni zavod za zaštitu prirode, Zagreb, 258 str.
<b>Breeding short-term trend:</b> no data available
<b>Breeding long-term trend:</b> no data available
<b>Winter population size:</b> Tutiš, V., Kralj, J., Radović, D., Čiković, D., Barišić, S. (ur.) (2013): Crvena knjiga ptica Hrvatske. Ministarstvo zaštite okoliša i prirode, Državni zavod za zaštitu prirode, Zagreb, 258 str.
<b>Winter short-term trend:</b> no data available
<b>Winter long-term trend:</b> no data available

#### Czechia

<b>Breeding population size:</b> Šťastný et Bejček in prep. - Atlas hnízdního rozšíření ptáků ČR 2014-2017
<b>Breeding short-term trend:</b> expert opinion
<b>Breeding long-term trend:</b> expert opinion

#### Estonia

<b>Breeding population size:</b> Estonian Working Group on Bird Status and Numbers
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## Zapornia parva (Little Crane)

### Estonia

**Breeding short-term trend:** Estonian Working Group on Bird Status and Numbers

**Breeding long-term trend:** Estonian Working Group on Bird Status and Numbers

### Finland

**Breeding population size:** Lehtikainen, A., Below, A., Jukarainen, A., Laaksonen, T., Lehtiniemi, T., Mikkola-Roos, M., Pessa, J., Rajasärkkä, A., Rusanen, P., Sirkiä, P., Tiainen, J. & Valkama, J. 2019: Suomen lintujen pesimäkantojen koot. – Linnut-vuosikirja 2018: 38-45.

**Breeding short-term trend:** BirdLife Finland 2019: Tiira bird observation database.

**Breeding long-term trend:** BirdLife Finland 2019: Regional observation summary database of Finnish Birdwatching societies on scarce bird species. Expert working group.

### France

**Breeding population size:** Issa N. & Muller Y. 2015. Atlas des oiseaux nicheurs de France métropolitaine. , LPO/SEOF/MNHN/Delachaux et Niestlé, Paris

### Georgia

**Breeding population size:** BirdLife International 2004

### Germany

**Breeding population size:** Gerlach et al. (in Vorb.): Vögel in Deutschland – 2019. Dachverband Deutscher Avifaunisten, Bundesamt für Naturschutz und Länderarbeitsgemeinschaft der Vogelschutzwarten, Münster.

**Breeding short-term trend:** Gerlach et al. (in Vorb.): Vögel in Deutschland – 2019. Dachverband Deutscher Avifaunisten, Bundesamt für Naturschutz und Länderarbeitsgemeinschaft der Vogelschutzwarten, Münster.

**Breeding long-term trend:** Gerlach et al. (in Vorb.): Vögel in Deutschland – 2019. Dachverband Deutscher Avifaunisten, Bundesamt für Naturschutz und Länderarbeitsgemeinschaft der Vogelschutzwarten, Münster.

### Greece

**Breeding population size:** 1) BirdLife International (2004) Birds in Europe: Population estimates, trends and conservation status. Cambridge, UK: BirdLife International (BirdLife Conservation Series No. 12). 2) Λεγάκις, Α. & Μαραγκού, Π. (επιμ.). 2009. Το Κόκκινο Βιβλίο των Απειλούμενων Ζώων της Ελλάδας. Ελληνική Ζωολογική Εταιρεία, Αθήνα, 528 σελ. 3) Natura Viewer (<http://natura2000.eea.europa.eu/#>). 4) Πορτόλου, Δ., Μπουρδάκης, Σ., Βλάχος, Χ., Καστρίτης, Θ. & Δημαλέξης, Τ. (επιμ.). 2009. Οι Σημαντικές Περιοχές για τα Πουλιά της Ελλάδας: Περιοχές Προτεραιότητας για τη Διατήρηση της Βιοποικιλότητας. Ελληνική Ορνιθολογική Εταιρεία, Αθήνα. 5) Βλάχος Χ., Μπίρτσας Π., Θωμαΐδης Χ., Χατζηνίκος Ε., Μποντζώρλος Β., Μπραζιώτης Σ., Κόντος Κ., Βλαχάκη Δ., Δεδουσοπούλου Ε., Κιούσης Δ., Ξένος Α., Στεφάνου Λ.Μ., Κασάμπαλης Δ., και Μελικώκη Κ. (Συντονιστές έκδοσης). 2015. Γ' Φάση της Μελέτης 9 «Εποπτεία και Αξιολόγηση της Κατάστασης Διατήρησης Ειδών Ορνιθοπανίδας στην Ελλάδα» ΥΠΑΠΕΝ, Αθήνα, Σύμπραξη Γραφείων Μελετών «Φ.ΦΑΣΟΥΛΑΣ-Ν.ΜΑΝΤΖΙΟΣ" Ε.Ε. – ΡΟΔΟΥΛΑ ΚΩΝΣΤΑΝΤΙΝΙΔΟΥ ΤΟΥ ΓΕΩΡΓΙΟΥ – "ΑΘ.ΤΖΑΚΟΠΟΥΛΟΣ ΚΑΙ ΣΙΑ" Ε.Ε.», Θεσσαλονίκη.

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### Hungary

**Breeding population size:** National park directorates' databases <http://map.mme.hu/maps/map2>

**Breeding short-term trend:** [http://www.termeszetvedelem.hu/\\_user/browser/File/Natura2000/BD\\_12\\_jelentes\\_2013\\_anyagai/Porzana\\_parva.pdf](http://www.termeszetvedelem.hu/_user/browser/File/Natura2000/BD_12_jelentes_2013_anyagai/Porzana_parva.pdf) National park directorates' databases <http://map.mme.hu/maps/map2>

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**Breeding population size:** Brichetti P., Fracasso G., 2018. The Birds of Italy. Vol. I. Anatidae-Alcidae. Ed. Belvedere, Latina (Italy), "historia naturae" (6), pp. 512.

**Breeding short-term trend:** No recent data available

**Breeding long-term trend:** Brichetti P., Meschini E., 1993. Stima delle popolazioni di uccelli nidificanti. In Meschini E., Frugis S., 1993. Atlante degli uccelli nidificanti in Italia. Suppl. Ric. Biol. Selvaggina, 20, 1-345.

### Kosovo

**Breeding population size:** Qenan Maxhuni

**Breeding short-term trend:** Qenan Maxhuni

## Zapornia parva (Little Crane)

### Kosovo

**Breeding long-term trend:** Puzovic, S. et al. (2004): Birds of Serbia and Montenegro – Size of nesting populations. I trends: 1990-2002. Ciconia 12

### Latvia

**Breeding population size:** Unpublished data for European Breeding Bird Atlas (2013-2017); Expert: Andris Dekants, andris.dekants@lob.lv

**Breeding short-term trend:** Unpublished data for European Breeding Bird Atlas (2013-2017); Expert: Andris Dekants, andris.dekants@lob.lv

**Breeding long-term trend:** Strazds M., Priednieks J., Vaverins G. 1994. [Size of Latvian bird populations.] (in Latvian) In: Putni dabā, 4: 3–18 Unpublished data for European Breeding Bird Atlas (2013-2017); Expert: Andris Dekants, andris.dekants@lob.lv

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**Breeding population size:** Expert working group of the Lithuanian Ornithological Society (lod@birdlife.lt) 2015-2018. Lietuvos perinčių paukščių atlaso duomenų bazė (Lithuanian Breeding Birds Atlas Database). Vilnius. Ministry of Environment of the Republic of Lithuania. 2012. Status and trends of bird populations (Article 12, Birds Directive 2009/147/EC) National Summary 2008-2012 Lithuania. Ministry of Environment of the Republic of Lithuania. 2016-2018. Leidinio "Lietuvos raudonoji knyga" parengimo paslaugos (Red data book of Lithuania). (Agreement No VPS-2016-104-ES)

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### North Macedonia

**Breeding population size:** unpublished data from the European Breeding Bird Atlas 2

**Breeding short-term trend:** unpublished data from the European Breeding Bird Atlas 2

### Moldova

**Breeding population size:** Moldova's contribution for the second European Breeding Bird Atlas (EBBA2)

**Breeding short-term trend:** SPPN expert opinion (sppn.moldova@gmail.com)

**Breeding long-term trend:** SPPN expert opinion (sppn.moldova@gmail.com)

### Poland

**Breeding population size:** Chodkiewicz T., Kuczyński L., Sikora A., Chylarecki P., Neubauer G., Ławicki Ł., Stawarczyk T. 2015. Ocena liczebności populacji ptaków lęgowych w Polsce w latach 2008–2012. Ornis Polonica 56: 149-189; expert assessment

**Breeding short-term trend:** Chief Inspectorate of Environmental Protection & Polish Society for the Protection of Birds (OTOP) / BirdLife Poland

**Breeding long-term trend:** Chief Inspectorate of Environmental Protection & Polish Society for the Protection of Birds (OTOP) / BirdLife Poland

### Romania

**Breeding population size:** Ornitodata (Romanian Ornithological Society) Database, OpenBirdMaps (Milvus Group) Database, Rombird (Romanian Rarity Commission) Database

**Breeding short-term trend:** Ornitodata (Romanian Ornithological Society) Database, OpenBirdMaps (Milvus Group) Database, Rombird (Romanian Rarity Commission) Database

**Breeding long-term trend:** Ornitodata (Romanian Ornithological Society) Database, OpenBirdMaps (Milvus Group) Database, Rombird (Romanian Rarity Commission) Database

### Russia

**Breeding population size:** Voltzit & Kalyakin 2013-2019; Database of the project on Atlas of breeding birds of European Russia

### Serbia

**Breeding population size:** EBBA2 project; Puzović, S., Radišić, D., Ružić, M., Rajković, D., Radaković, M., Pantović, U., Janković, M., Stojnić, N., Šćiban, M., Tucakov, M., Gergelj, J., Sekulić, G., Agošton, A. & Raković, M. 2015. Birds of Serbia: Breeding Population Estimates and Trends for the Period 2008-2013. Bird protection and study society of Serbia, and Department of Biology and Ecology, Faculty of Sciences, University of Novi Sad, Novi Sad.

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**Breeding population size:** Coordinatory group for reporting 2019. R Karaska D., Trnka A., Krištín A., Ridzoň J.: Chránené vtáčie územia Slovenska. ŠOP SR Banská Bystrica, 2015.

**Breeding short-term trend:** Coordinatory group for reporting 2019, AVES-Symfony Database 2013-2018, KIMS Database 2013-2018.

## Zapornia parva (Little Crane)

### Slovakia

**Breeding long-term trend:** Coordinatory group for reporting 2019, AVES-Symfony Database 2013-2018, KIMS Database 2013-2018.

### Slovenia

**Breeding population size:** Denac K., Jančar T., Božič, L., Mihelič, T., Koče, U., Kmecl, P., Kljun, I., Denac, D., Bordjan, D. (2018): Monitoring populacij izbranih ciljnih vrst ptic na območjih Natura 2000 v letu 2018 in sinteza monitoringa 2016-2018. Poročilo. Naročnik: Ministrstvo za kmetijstvo, gozdarstvo in prehrano. DOPPS, Ljubljana. Mihelič T., Kmecl P., Denac K., Koče U., Vrezec A., Denac D. (eds.) (2019): Atlas ptic Slovenije. Popis gnezdilk 2002–2017. – DOPPS, Ljubljana.

**Breeding short-term trend:** Bordjan D. (2012): Vodne ptice in ujede Cerknškega polja (južna Slovenija) v letih 2007 in 2008, s pregledom zanimivejših opazovanj do konca leta 2010. – *Acrocephalus* 33 (152/153): 25–104. Denac K., Mihelič T., Božič L., Kmecl P., Jančar T., Figelj J., Rubinič B. (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). – DOPPS, Ljubljana. Denac K., Jančar T., Božič, L., Mihelič, T., Koče, U., Kmecl, P., Kljun, I., Denac, D., Bordjan, D. (2018): Monitoring populacij izbranih ciljnih vrst ptic na območjih Natura 2000 v letu 2018 in sinteza monitoringa 2016-2018. Poročilo. Naročnik: Ministrstvo za kmetijstvo, gozdarstvo in prehrano. DOPPS, Ljubljana. Mihelič T., Kmecl P., Denac K., Koče U., Vrezec A., Denac D. (eds.) (2019): Atlas ptic Slovenije. Popis gnezdilk 2002–2017. – DOPPS, Ljubljana.

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**Breeding population size:** Knaus, P., S. Antoniazza, S. Wechsler, J. Guélat, M. Kéry, N. Strebel & T. Sattler (2018): Swiss Breeding Bird Atlas 2013–2016. Distribution and population trends of birds in Switzerland and Liechtenstein. Swiss Ornithological Institute, Sempach.

**Breeding short-term trend:** <https://www.vogelwarte.ch/en/projects/population-trends/breeding-population-indices/>

**Breeding long-term trend:** <https://www.vogelwarte.ch/en/projects/population-trends/breeding-population-indices/>

### Turkey

**Breeding population size:** Kusbank Bird Database (Ebird) Kirwan G.M., Boyla K. A., Castell P., Demirci B., Özen M., Welch H., Marlow T., 2008, Birds of Turkey. Londra, Christopher Helm, 978-1-4081-0475-

### Ukraine

**Breeding population size:** Atlas work, non-published data

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