

***Charadrius dubius* (Little Ringed Plover)**

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.

Charadrius dubius (Little Ringed Plover)

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

Country (or territory) ²	Population estimate				Short-term population trend ⁴				Long-term population trend ⁴				Subspecific population (where relevant)
	Size (pairs) ³	Europe (%)	Year(s)	Quality	Direction ⁵	Magnitude (%) ⁶	Year(s)	Quality	Direction ⁵	Magnitude (%) ⁶	Year(s)	Quality	
Albania	200-800	<1	2002-2012	poor	-	10-20	2002-2012	poor	-	20-30	1980-2012	poor	
Armenia	300-600	<1	2002-2012	medium	?				?				
Austria	300-450	<1	2001-2012	medium	0	0	2001-2012	medium	?				C. d. curonicus, Europe & North-west Africa/West Africa
Azerbaijan	500-1,000	<1	1996-2000	poor	?				?				
Belarus	8,500-12,500	6	2000-2012	medium	0	0	2001-2012	medium	0	0	1980-2012	medium	
Belgium	100-500	<1	2008-2012	poor	0	0	2000-2012	poor	0	0	1973-2012	poor	C. d. curonicus, Europe & North-west Africa/West Africa
Bosnia & HG	300-500	<1	2010-2014	poor	?				?				
Bulgaria	1,387-2,433	1	2005-2012	medium	0	0	2001-2012	medium	0	0	1980-2012	medium	C. d. curonicus, Europe & North-west Africa/West Africa
Croatia	≥1,000-	1	2013	poor	?				?				
Cyprus	9-29	<1	2005-2009	good	0	0	2001-2012	good	+	50-150	1980-2012	medium	C. d. curonicus, Europe & North-west Africa/West Africa
Czech Rep.	800-1,400	1	2012	medium	F	0	2000-2012	good	0	0	1982-2012	good	C. d. curonicus, Europe & North-west Africa/West Africa
Denmark	300	<1	2011	medium	0	0	1999-2011	medium	0	0	1980-2011	medium	C. d. curonicus, Europe & North-west Africa/West Africa
Estonia	1,000-2,000	1	2008-2012	poor	+	20-50	2001-2012	poor	0	0-10	1980-2012	poor	C. d. curonicus, Europe & North-west Africa/West Africa
Finland	4,000-6,000	3	2006-2010	medium	?				0	0	1992-2012	medium	C. d. curonicus, Europe & North-west Africa/West Africa
France	5,000-7,000	3	2010-2011	good	0	0	1996-2010	good	+	30-50	1984-2012	medium	C. d. curonicus, Europe & North-west Africa/West Africa
Georgia	Present	<1			?				?				
Germany	5,500-8,000	4	2005-2009	good	0	0	1998-2009	medium	0	0	1985-2009	medium	C. d. curonicus, Europe & North-west Africa/West Africa
Greece	3,000-5,000	2	2008-2012	poor	0	0	2001-2012	poor	?				C. d. curonicus, Europe & North-west Africa/West Africa
Hungary	800-1,500	1	2005-2007	poor	?				?				C. d. curonicus, Europe & North-west Africa/West Africa
Italy	2,300-4,000	2	2004	poor	?				-		1980-2004	poor	C. d. curonicus, Europe & North-west Africa/West Africa
Kosovo	150-250	<1	2009-2014	medium	?				?				
Latvia	422-819	<1	2000-2004	medium	?				-	45-79	1980-2004	poor	C. d. curonicus, Europe & North-west Africa/West Africa

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	Size (pairs) ³	Europe (%)	Year(s)	Quality	Direction ⁵	Magnitude (%) ⁶	Year(s)	Quality	Direction ⁵	Magnitude (%) ⁶	Year(s)	Quality	
Liechtenstein	15-25	<1	2009-2014	good	F	50	2003-2014	good	+	30-50	1980-2014	good	
Lithuania	2,500-4,000	2	2008-2012	medium	0	0	2001-2012	medium	0	0	1980-2012	medium	C. d. curonicus, Europe & North-west Africa/West Africa
Luxembourg	10-15	<1	2008-2012	medium	F	0-50	2000-2012	poor	F	0-50	1980-2012	poor	C. d. curonicus, Europe & North-west Africa/West Africa
FYRO Macedonia	20-100	<1	2001-2012	poor	?				?				
Malta	5-6	<1	2010	good	+	200-400	2001-2012	good	+	400-500	1995-2012	good	C. d. curonicus, Europe & North-west Africa/West Africa
Moldova	5-10	<1	2000-2010	medium	-	20-40	2000-2010	medium	-	20-40	1980-2010	medium	
Montenegro	60-80	<1	2002-2012	good	-		2002-2012	good	?				
Netherlands	1,200-1,400	1	2011	good	0	0	2002-2011	good	+	6-35	1984-2011	good	C. d. curonicus, Europe & North-west Africa/West Africa
Norway	150-275	<1	2000-2013	medium	0	0	2000-2013	medium	?				
Poland	5,000-13,000	4	2008-2012	good	?				?				C. d. curonicus, Europe & North-west Africa/West Africa
Portugal	1,000-5,000	1	2008-2012	poor	?				?				C. d. curonicus, Europe & North-west Africa/West Africa
Romania	3,000-6,000	2	2008-2013	medium	?				?				C. d. curonicus, Europe & North-west Africa/West Africa
Russia	40,000-120,000	38	2005-2008	poor	-	5-30	2000-2012	medium	0	0	1980-2012	poor	
Serbia	600-900	<1	2008-2012	medium	0	0	2000-2012	medium	-	1-9	1980-2012	medium	
Slovakia	1,000-2,000	1	2012	poor	0	0	2000-2012	poor	0	0	1980-2012	poor	C. d. curonicus, Europe & North-west Africa/West Africa
Slovenia	300-500	<1	2001-2012	medium	-	10-20	2001-2012	medium	-	10-20	1980-2012	poor	C. d. curonicus, Europe & North-west Africa/West Africa
Spain	33,050	18	2007	good	-	9	1998-2011	good	0	0	1980-2011	poor	C. d. curonicus, Europe & North-west Africa/West Africa
ES: Canary Is	50-250	<1	1997-2003	poor	-		2001-2012	good	?				C. d. curonicus, Europe & North-west Africa/West Africa
Sweden	1,300-2,300	1	2008-2012	medium	0	0	2001-2012	medium	0	0	1980-2012	medium	C. d. curonicus, Europe & North-west Africa/West Africa
Switzerland	90-110	<1	2008-2012	medium	-	8-42	2001-2012	medium	0	0	1990-2012	medium	
Turkey	1,000-5,000	1	2013	medium	-	0-19	2000-2012	poor	-	20-29	1990-2013	poor	
Ukraine	7,000-10,600	5	2000	medium	F	10-15	1998-2010	medium	F	15-20	1980-2012	medium	
United Kingdom	1,200-1,300	1	2007	good	+	18	1989-2007	good	+	80	1984-2007	good	C. d. curonicus, Europe & North-west Africa/West Africa

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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	
EU27	74,500-108,000	48			Stable								
Europe	134,000-262,000	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 ($\geq 50\%$) | ↓ 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

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Figure 1. Breeding population sizes and short-term trends across Europe.

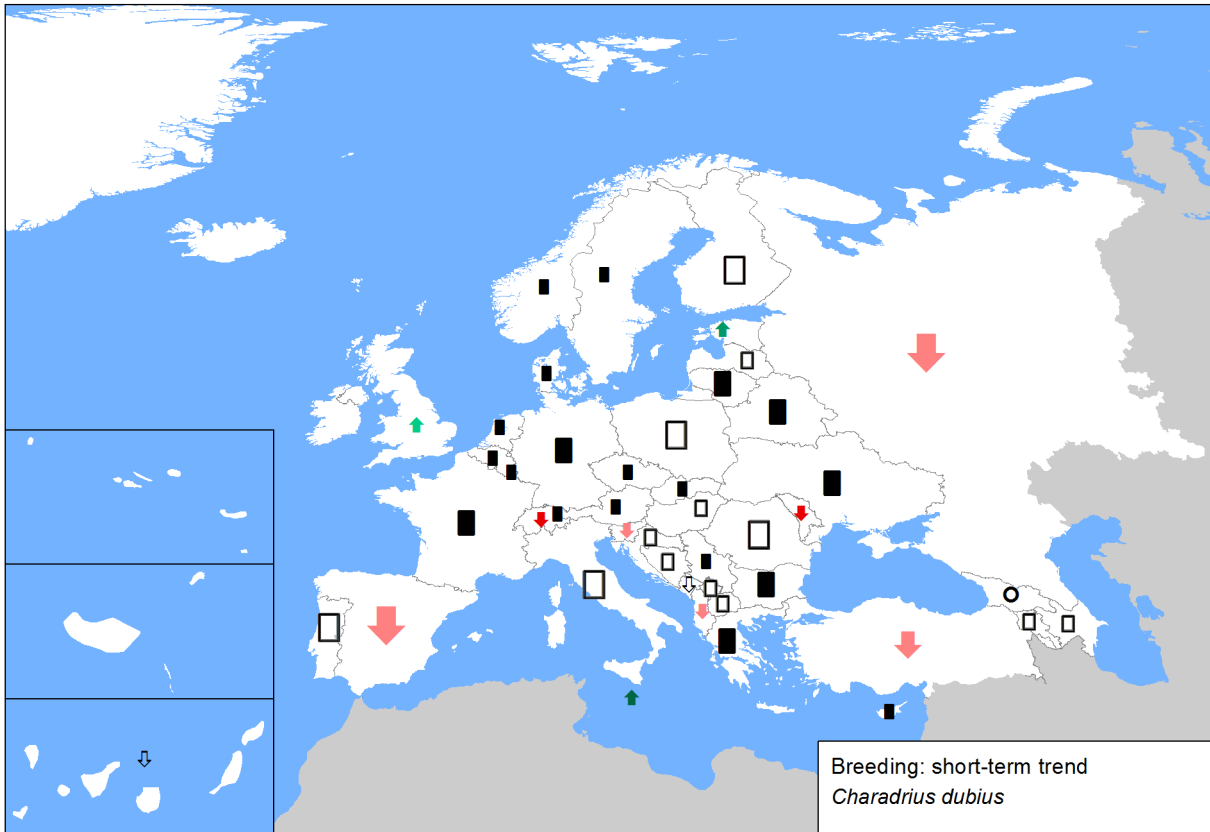
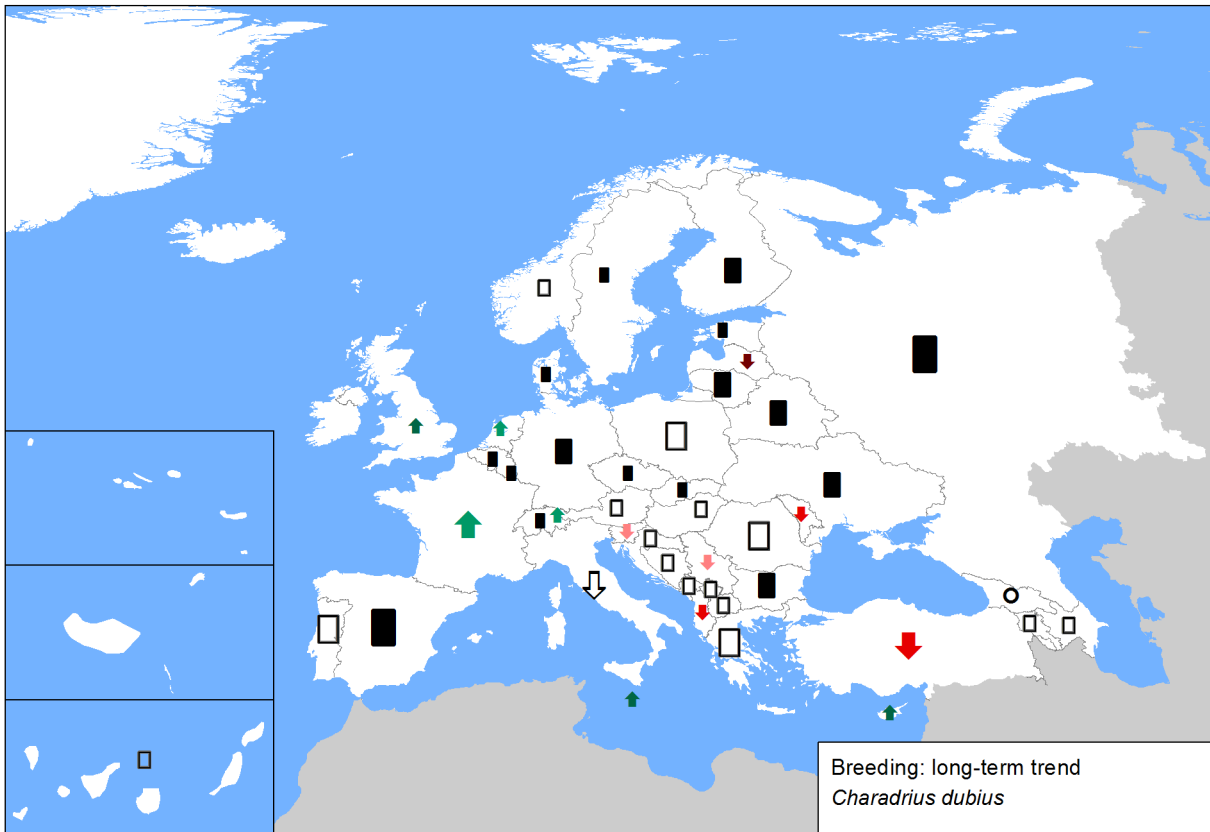


Figure 2. Breeding population sizes and long-term trends across Europe.



Charadrius dubius (Little Ringed Plover)

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: *C. d. curonicus*, Europe & North-west Africa/West 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: Karlionova N.V. - personal communication Pinchuk P.V. - personal communication

Breeding short-term trend: Karlionova N.V. - personal communication Pinchuk P.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: *C. d. curonicus*, Europe & North-west Africa/West Africa

Breeding population size: Database Rare and less common Breeding Birds, INBO (coord. A.Anselin), selected data Waarnemingen.be, compilation of data and enquiries in ornithological community

Breeding short-term trend: 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: unpublished data

Bulgaria: *C. d. curonicus*, Europe & North-west Africa/West Africa

Breeding population size: DALAKCHIEVA, S., I. VATEV. Little Ringed Plover *Charadrius dubius*. Red Data Book of Bulgaria., e-version: <http://e-ecodb.bas.bg/rdb/en/vol2/Chdubius.html> 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. SHURLINKOV, 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.

Breeding short-term trend: DALAKCHIEVA, S., I. VATEV. Little Ringed Plover *Charadrius dubius*. Red Data Book of Bulgaria., e-version: <http://e-ecodb.bas.bg/rdb/en/vol2/Chdubius.html> last access: August 2013 IANKOV, P. (ed.) 2007. Atlas of Breeding Birds in Bulgaria. BSPB Conservation Series, Book 10. Sofia. 679 pp. NANKINOV, D., S. SIMEONOV, T. MICHEV, B. IVANOV. 1997. The Fauna of Bulgaria. Vol. 26. AVES. Part II. BAS Press, Pensoft. Sofia. 428 pp.

Breeding long-term trend: DALAKCHIEVA, S., I. VATEV. Little Ringed Plover *Charadrius dubius*. Red Data Book of Bulgaria., e-version: <http://e-ecodb.bas.bg/rdb/en/vol2/Chdubius.html> last access: August 2013 IANKOV, P. (ed.) 2007. Atlas of Breeding Birds in Bulgaria. BSPB Conservation Series, Book 10. Sofia. 679 pp. NANKINOV, D., S. SIMEONOV, T. MICHEV, B. IVANOV. 1997. The Fauna of Bulgaria. Vol. 26. AVES. Part II. BAS Press, Pensoft. Sofia. 428 pp.

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: *C. d. curonicus*, Europe & North-west Africa/West 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.

Breeding long-term trend: For the period 2005-12, based on systematic monthly waterbird counts by BirdLife Cyprus and Game & Fauna Service, as published in BirdLife Cyprus monthly checklists and also by the Game & Fauna Service. For the period 1980 -2004, based on birdwatching records as reported in BirdLife Cyprus annual reports; Whaley DJ & Dawes JC, 2003 Cyprus Breeding Birds' Atlas; Flint & Stewart BOU Checklist no.6 (1992) The Birds of Cyprus

Czech Republic: *C. d. curonicus*, Europe & North-west Africa/West Africa

Breeding population size: STASTNY K., BEJCEK V. & HUDEC K. 2006: Atlas hnízdního rozšíření ptáku v České republice. Aventinum Praha. JPSP: <http://jpsp.birds.cz/vysledky.php?taxon=493>

Breeding short-term trend: JPSP: <http://jpsp.birds.cz/vysledky.php?taxon=493>

Breeding long-term trend: JPSP: <http://jpsp.birds.cz/vysledky.php?taxon=493>

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Denmark: *C. d. curonicus*, Europe & North-west Africa/West 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) Ekspertvurdering foretaget af Dansk Ornitologisk Forening på baggrund af tidligere publicerede oplysninger, modtagne oplysninger og data i www.dofbasen.dk (Knud N. Flensted)

Breeding short-term trend: BIRDLIFE INTERNATIONAL (2004) Birds in Europe: population estimates, trends and conservation status. Wageningen, The Netherlands: BirdLife International. (BirdLife Conservation Series No. 12) Ekspertvurdering foretaget af Dansk Ornitologisk Forening på baggrund af tidligere publicerede oplysninger, modtagne oplysninger og data i www.dofbasen.dk (Knud N. Flensted)

Breeding long-term trend: Grell, Michael Borch (1998): Fuglenes Danmark. Gads forlag i samarbejde med Dansk Ornitologisk Forening. BIRDLIFE INTERNATIONAL (2004) Birds in Europe: population estimates, trends and conservation status. Wageningen, The Netherlands: BirdLife International. (BirdLife Conservation Series No. 12) Ekspertvurdering foretaget af Dansk Ornitologisk Forening på baggrund af tidligere publicerede oplysninger, modtagne oplysninger og data i www.dofbasen.dk (Knud N. Flensted)

Estonia: *C. d. curonicus*, Europe & North-west Africa/West Africa

Breeding population size: Elts, J., Leito, A., Leivits, A., Luigujõe, L., Mägi, E., Nellis, Rein, Nellis, Renno, Ots, M., Pehlak, H. 2013. Status and numbers of Estonian birds, 2008–2012. *Hirundo* 26(2): 80–112. URL: http://www.eoy.ee/hirundo/file_download/149/Elts_et_al_2013_2.pdf

Breeding short-term trend: Elts, J., Leito, A., Leivits, A., Luigujõe, L., Mägi, E., Nellis, Rein, Nellis, Renno, Ots, M., Pehlak, H. 2013. Status and numbers of Estonian birds, 2008–2012. *Hirundo* 26(2): 80–112. URL: http://www.eoy.ee/hirundo/file_download/149/Elts_et_al_2013_2.pdf

Breeding long-term trend: Elts, J., Leito, A., Leivits, A., Luigujõe, L., Mägi, E., Nellis, Rein, Nellis, Renno, Ots, M., Pehlak, H. 2013. Status and numbers of Estonian birds, 2008–2012. *Hirundo* 26(2): 80–112. URL: http://www.eoy.ee/hirundo/file_download/149/Elts_et_al_2013_2.pdf

Finland: *C. d. curonicus*, Europe & North-west Africa/West Africa

Breeding population size: Väisänen, Risto A., Hario, Martti & Saurola, Pertti 2011: Population estimates of Finnish birds. In: Valkama, Jari, Vepsäläinen, Ville & Lehikoinen, Alekski 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 long-term trend: Väisänen, R. A. & Lehikoinen, A. 2013: Monitoring population changes of land bird species breeding in Finland in 1975–2012. – *Linnut-vuosikirja* 2012: 62–81. (in Finnish with English summary)

France: *C. d. curonicus*, Europe & North-west Africa/West Africa

Breeding population size: Issa, N. 2012 Limicoles nicheurs en France. Enquête 2010-2011 - Année 2, Rochefort, LPO, 41 p.

Breeding short-term trend: Issa, N. 2012 Limicoles nicheurs en France. Enquête 2010-2011 - Année 2, Rochefort, LPO, 41 p. Deceuninck, B. & Mahéo, R. 1998 Limicoles nicheurs de France. Synthèse de l'enquête nationale 1995-1996 et évolution des populations sur 12 ans, 97-117 Dubois, P. J. & Mahéo, R. 1986 Limicoles nicheurs de France, Rochefort, LPO, 291 p.

Breeding long-term trend: Issa, N. 2012 Limicoles nicheurs en France. Enquête 2010-2011 - Année 2, Rochefort, LPO, 41 p. Deceuninck, B. & Mahéo, R. 1998 Limicoles nicheurs de France. Synthèse de l'enquête nationale 1995-1996 et évolution des populations sur 12 ans, 97-117 Dubois, P. J. & Mahéo, R. 1986 Limicoles nicheurs de France, Rochefort, LPO, 291 p.

Georgia

Breeding population size: BirdLife International 2004

Germany: *C. d. curonicus*, Europe & North-west Africa/West Africa

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: Dachverband Deutscher Avifaunisten e.V.

Greece: *C. d. curonicus*, Europe & North-west Africa/West 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: *C. d. curonicus*, Europe & North-west Africa/West Africa

Breeding population size: MME Nomenclator Bizottság (2008): Magyarország madarainak névjegyzéke. Nomenclator avium Hungariae. Magyar Madártani és Természetvédelmi Egyesület, Budapest. P. 278.

Italy: *C. d. curonicus*, Europe & North-west Africa/West Africa

Breeding population size: Bricchetti 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)

Breeding short-term trend: Gustin M, Brambilla M & Celada C. 2010. Valutazione dello stato di Conservazione dell'avifauna italiana. Volume II, Passeriformes. Ministero dell'Ambiente e della Tutela del Territorio e del Mare, Lega Italiana Protezione Uccelli (LIPU)

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

Kosovo

Breeding population size: NGO "Finch" (2014)

Latvia: *C. d. curonicus*, Europe & North-west Africa/West Africa

Breeding population size: Kerus V. 2011. Latvijas ligzdojoso putnu stavokla parmainas laika no 1980. līdz 2010. gadam. Promocijas darbs. Rīga: Latvijas Universitāte

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Latvia: C. d. curonicus, Europe & North-west Africa/West Africa

Breeding long-term trend: Kerus V. 2011. Latvijas ligzdojoso putnu stavokla parmainas laika no 1980. līdz 2010. gadam. Promocijas darbs. Rīga: Latvijas Universitāte
Strazds M., Priednieks J., Vaverins G. 1994. Latvijas putnu skaits. – Putni daba, 4: 3–18.

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: C. d. curonicus, Europe & North-west Africa/West 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: C. d. curonicus, Europe & North-west Africa/West Africa

Breeding population size: LUXOR (2013): NATUR&EMWELT - BIRD-DATABASE, LUXEMBOURG Recorder (2013): database, Musée national d'histoire naturelle, Luxembourg Lorgé P., E. Melchior (2010): Die Vögel Luxemburgs. LNVL, Luxembourg. ISBN: 978-2-919920-01-3

Breeding short-term trend: LUXOR (2013): NATUR&EMWELT - BIRD-DATABASE, LUXEMBOURG Recorder (2013): database, Musée national d'histoire naturelle, Luxembourg Lorgé P., E. Melchior (2010): Die Vögel Luxemburgs. LNVL, Luxembourg. ISBN: 978-2-919920-01-3

Breeding long-term trend: LUXOR (2013): NATUR&EMWELT - BIRD-DATABASE, LUXEMBOURG Recorder (2013): database, Musée national d'histoire naturelle, Luxembourg Lorgé P., E. Melchior (2010): Die Vögel Luxemburgs. LNVL, Luxembourg. ISBN: 978-2-919920-01-3

The Former Yugoslav Republic of Macedonia

Breeding population size: M. Velevski, unedited data

Malta: C. d. curonicus, Europe & North-west Africa/West Africa

Breeding population size: Sultana, J.; Borg, J.J.; Gauci, C. & Falzon, V. (2011): The Breeding Birds of Malta. Malta: BirdLife Malta & BDL Publishing.

Breeding short-term trend: Burfield, I. & Van Bommel, F. (2004): Birds in Europe: Population Estimates & Conservation Status. Cambridge, UK: BirdLife International. Sultana, J.; Borg, J.J.; Gauci, C. & Falzon, V. (2011): The Breeding Birds of Malta. Malta: BirdLife Malta & BDL Publishing.

Breeding long-term trend: Baldacchino, A.E. & Azzopardi, J. (2007): L-Ghasafar li Jbejtu fl-Ambjent Naturali ta' Gżejjer Maltin. Malta: Malta University Publishers Ltd. Fenech, N. (2010): A Complete Guide to the Birds of Malta. Malta: Midsea Books Ltd. Sultana, J.; Borg, J.J.; Gauci, C. & Falzon, V. (2011): The Breeding Birds of Malta. Malta: BirdLife Malta & BDL Publishing.

Moldova

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

Breeding short-term trend: The Atlas of the Breeding Birds of Republic of Moldova. 2010. 100p.

Breeding long-term trend: The Atlas of the Breeding Birds of Republic of Moldova. 2010. 100p. Burfield I., Bommel van F., Birds in Europe. Population estimates, trends and conservation status. BirdLife International. Oxford, 2004. 374p. Zubcov, N., Birds of Moldova // The Birds of the Western Palearctic. Oxford University Press, Oxford. 1998, 1850 p. Аверин Ю. В., Ганя И.М., Успенский Г. Птицы Молдавии, том 2, Кишинев,1971,

Montenegro

Breeding population size: Schneider-Jacoby, M., Saveljić, D (2006): Late breeding of Collared Pratincole *Glareola pratincola* in Solana Ulcinj (Montenegro). *Ciconia* 14; 79-82

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: C. d. curonicus, Europe & North-west Africa/West Africa

Breeding population size: NEM, Sovon en CBS (Boele et al. 2011-2013, van Dijk et al 2010)

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

Breeding long-term trend: Sovon

Norway

Breeding population size: (1) County bird recording committees (LRSK). (2) Artsobservasjoner.no. (3) Shimmings & Øien 2015

Breeding short-term trend: County bird recorders (LRSK)

Poland: C. d. curonicus, Europe & North-west Africa/West Africa

Breeding population size: Chodkiewicz T., Kuczyński L., Sikora A., Ławicki Ł., Chylarecki P., Neubauer G., Meissner W., Rohde Z. 2013. Opracowanie raportu dla Komisji Europejskiej z wdrażania Dyrektywy Ptasięj w Polsce w zakresie Monitoringu Ptaków Polski w Państwowym Monitoringu Środowiska. Sprawozdanie dla Głównego Inspektoratu Ochrony Środowiska. OTOP, Marki.

Charadrius dubius (Little Ringed Plover)

Poland: *C. d. curonicus*, Europe & North-west Africa/West Africa

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

Portugal: *C. d. curonicus*, Europe & North-west Africa/West Africa

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

Romania: *C. d. curonicus*, Europe & North-west Africa/West Africa

Breeding population size: SOR database

Breeding short-term trend: BirLife International (2004) Birds in Europe: population estimates, trends and conservation status. Cambridge, UK Papp T., Fântână C. – editori 2008, Ariele de Importanță Avifaunistică din România, Publicație Comună a Societății Ornitologice 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 Ornitologice Române, nr. 16, Cluj-Napoca. Weber P. et al. 1994: Atlasul provizoriu al păsărilor clocitoare din România, Publicațiile Societății Ornitologice Române, nr.2, Mediaș Papp T., Fântână C. – editori 2008, Ariele de Importanță Avifaunistică din România, Publicație Comună a Societății Ornitologice Române și a Asociației „Grupul Milvus” Victor Ciochia. Dinamica și migrația păsărilor. Ed. Științifică și Enciclopedică, București, 1985

Russia

Breeding population size: Tomkovich P.S., Lebedeva E.A. (eds.) 1998. Breeding waders in Eastern Europe – 2000. Vol. 1. Moscow, RBCU (in Russian). Tomkovich P.S., Lebedeva E.A. (eds.) 1999. Breeding waders in Eastern Europe – 2000. Vol. 2. Moscow, RBCU (in Russian). Korol'kov M.A. 2006. Waders of Ulyanovsk Region. – Proc. of the II Intern. Symp. for the memory of Buturlin. Ulyanovsk: 201-216 (in Russian). Belik V.P. 2005. Cadastre of breeding avifauna of South Russia. - Strepet 3, no. 1-2: 5-37 (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., expert opinion. spinus73@mail.ru

Breeding short-term trend: 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). Lappo E.G., Tomkovich P.S., Syroechkovskiy E.E. 2012. Atlas of breeding waders in the Russian Arctic. Moscow (in Russian). Yakovleva M.V., unpublished. kivach-bird@rambler.ru

Breeding long-term trend: Tomkovich P.S., Lebedeva E.A. (eds.) 1998. Breeding waders in Eastern Europe – 2000. Vol. 1. Moscow, RBCU (in Russian). Tomkovich P.S., Lebedeva E.A. (eds.) 1999. Breeding waders in Eastern Europe – 2000. Vol. 2. Moscow, RBCU (in Russian). Belik V.P. et al. 2003. Recent population trends of breeding birds in the Southern Russia. - Strepet 1: 10-30 (in Russian). Shepel A.I., unpublished. shai53@mail.ru

Serbia

Breeding population size: BPSSS (2014) Unpublished data

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

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

Slovakia: *C. d. curonicus*, Europe & North-west Africa/West Africa

Breeding population size: Ridzoň, J., Karaska, D., Darolová, A.

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

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

Slovenia: *C. d. curonicus*, Europe & North-west Africa/West Africa

Breeding population size: Koce, U. (2005): Gnezditvena ekologija malega deževnika (*Charadrius dubius*) v Ljubljanski kotlini. Diplomsko delo, Ljubljana, Univerza v Ljubljani, BF, Oddelek za Biologijo Denac D., Božič L. (2012): Monitoring učinkov vodnogospodarskih vzdrževalnih del na stanje izbranih varovanih vrst in habitatnih tipov na območju Natura 2000 Drava med Malečnikom in Duplekom - gnezditke rečne struge. Končno poročilo. DOPPS, Ljubljana Božič, L. (2007): Analiza živega sveta na območju Mure med Šentiljem in Veržejem. Segment: PTIČI (Aves). Zaključno poročilo. DOPPS, Maribor DOPPS, unpublished data www.ptice.si/atlas

Breeding short-term trend: BirdLife International (2004): Birds in Europe: population estimates, trends and conservation status other sources: same as in 2. Population size

Breeding long-term trend: BirdLife International (2004): Birds in Europe: population estimates, trends and conservation status other sources: same as in 2. Population size

Spain: *C. d. curonicus*, Europe & North-west Africa/West 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)

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 de especies terrestres. Seguimiento de Aves SACRE. (Ministerio de Agricultura, Alimentación y Medio Ambiente). http://www.magrama.gob.es/es/biodiversidad/temas/inventarios-nacionales/inventario-especies-terrestres/tendencia_aves_comunes_espania.aspx Gráfica de la tendencia poblacional: http://www.magrama.gob.es/es/biodiversidad/temas/inventarios-nacionales/inventario-especies-terrestres/ieet_aves_sist_seg_tendencia_comunes_esp.aspx

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 Purroy, F.J. (Coord.) (1997). Atlas de las aves de España (1975-1995). SEO/BidLife. Lynx Edicions. Barcelona. 583 pp.

ES: Canary Is: *C. d. curonicus*, Europe & North-west Africa/West Africa

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. Ornistudio 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. Moreno Martín, A. C. y M. González Acebes. 2003. Chorlitejo chico *Charadrius dubius*: Fuerteventura. Seguimiento de poblaciones de especies amenazadas 2003. Gobierno de Canarias. 41 pp. Moreno Martín, A. C. y M. González Acebes. 2003. Chorlitejo chico *Charadrius dubius*: Gran Canaria. Seguimiento de poblaciones de especies amenazadas 2003. Gobierno de Canarias. 45 pp. Fariña Trujillo, B. y J. D. Delgado. 2003. Chorlitejo chico *Charadrius dubius*: Tenerife. Seguimiento de poblaciones de especies amenazadas 2003. Gobierno de Canarias. 32 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. Siverio, M. 2009. Seguimiento de Poblaciones de Especies Amenazadas (2009). *Charadrius dubius* Scopoli, 1786. Fuerteventura, Gran Canaria y Tenerife. Gesplan, SAU-Viceconsejería de Medio Ambiente del Gobierno de Canarias. Santa Cruz de Tenerife. Informe inédito.

Charadrius dubius (Little Ringed Plover)

ES: Canary Is: C. d. curonicus, Europe & North-west Africa/West Africa

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. Ornistudio 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. Moreno Martín, A. C. y M. González Acebes. 2003. Chorlitejo chico *Charadrius dubius*: Fuerteventura. Seguimiento de poblaciones de especies amenazadas 2003. Gobierno de Canarias. 41 pp. Moreno Martín, A. C. y M. González Acebes. 2003. Chorlitejo chico *Charadrius dubius*: Gran Canaria. Seguimiento de poblaciones de especies amenazadas 2003. Gobierno de Canarias. 45 pp. Fariña Trujillo, B. y J. D. Delgado. 2003. Chorlitejo chico *Charadrius dubius*: Tenerife. Seguimiento de poblaciones de especies amenazadas 2003. Gobierno de Canarias. 32 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. Siverio, M. 2009. Seguimiento de Poblaciones de Especies Amenazadas (2009). *Charadrius dubius* Scopoli, 1786. Fuerteventura, Gran Canaria y Tenerife. Gesplan, SAU-Viceconsejería de Medio Ambiente del Gobierno de Canarias. Santa Cruz de Tenerife. Informe inédito.

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. Ornistudio 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. Moreno Martín, A. C. y M. González Acebes. 2003. Chorlitejo chico *Charadrius dubius*: Fuerteventura. Seguimiento de poblaciones de especies amenazadas 2003. Gobierno de Canarias. 41 pp. Moreno Martín, A. C. y M. González Acebes. 2003. Chorlitejo chico *Charadrius dubius*: Gran Canaria. Seguimiento de poblaciones de especies amenazadas 2003. Gobierno de Canarias. 45 pp. Fariña Trujillo, B. y J. D. Delgado. 2003. Chorlitejo chico *Charadrius dubius*: Tenerife. Seguimiento de poblaciones de especies amenazadas 2003. Gobierno de Canarias. 32 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. Siverio, M. 2009. Seguimiento de Poblaciones de Especies Amenazadas (2009). *Charadrius dubius* Scopoli, 1786. Fuerteventura, Gran Canaria y Tenerife. Gesplan, SAU-Viceconsejería de Medio Ambiente del Gobierno de Canarias. Santa Cruz de Tenerife. Informe inédito.

Sweden: C. d. curonicus, Europe & North-west Africa/West Africa

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

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

Breeding long-term trend: 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. Updated based on trend and chance observations.

Breeding short-term trend: Swiss Ornithological Institute: <http://www.vogelwarte.ch/information-service-monitoring-rare-breeding-and-visiting-birds.html> Site-occupancy modelling based on „semi-standardised” chance observations. Percentage change based on linear regression. Min Max refer to 95% Confidence interval.

Breeding long-term trend: Swiss Ornithological Institute: <http://www.vogelwarte.ch/information-service-monitoring-rare-breeding-and-visiting-birds.html> Site-occupancy modelling based on „semi-standardised” chance observations. Percentage change based on linear regression. 95% Confidence interval see point 3.3.

Turkey

Breeding population size: Güven Eken, Cemil Gezgin personal communication Eken G., Bozdoğan M., İsfendiyaroğlu S., Kılıç D.T., Lise Y. (2006) Türkiye'nin Önemli Doğa Alanları. Doğa Derneği, Ankara. www.kusbank.org 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. Birdlife International (2004) Birds in Europe: population estimates, trends and conservation status, Cambridge UK: Birdlife International (Birdlife Conservation series no:12)

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

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

Ukraine

Breeding population size: 1. Hagemajler W.J.M., Blair M.J. The EBCC Atlas of European Breeding Birds: Their Distribution and Abundance. Poyser. - London. 1997. 903 p. 2. Heath M.F., Evans M.I. Important birds areas in Europe. Priority sites for conservation. // Southern Europe. BirdLife International. - Cambridge. Vol.2., 2000. P. 691-724. 3. European birds populations: Estimates and trends Compiled by M. Heath, C. Borggreve, N. Peet, W. Hagemajler/ BirdLife International/EBCC. 2000. Cambridge, UK: BirdLife Conservation Series N10, 160 p. 4. Численность и размещение гнездящихся околотовных птиц в водно-болотных угодьях Азово-Черноморского побережья Украины. Под ред. В.Д. Сиохин / Wetland International Киев. 2000. 476 с. 5. Горбань І. Оцінка чисельності гніздових птахів України. Вісник Львівського університету. Серія біологічна. Випуск 34. 2003. с. 147 – 158.

Breeding short-term trend: 1. Directory of Azov – Black Sea Coastal Wetlands / Ed. By G. Marushevsky – Kyiv, 2003, Wetland International, 235 p. 2. Directory of Ukraine's Wetlands / Ed. By G. Marushevsky & I. Zaruk. – Kyiv, 2006, Wetland International Black Sea Programme. - 312 с. 3. Бокотей А.А., Дзюбенко Н.В., Горбань І.М. та інші. Гніздова орнітофауна басейну Верхнього Дністра. – Львів: ЛНУ, 2010. – 400 с. 4. Gorban I, Flade M. The importance of the Upper Pripyat (Ukraine) for the protection of birds. The ecology and conservation of floodplains and lowland mires in the Polesya Region. Minsk. 2000. p. 103-110. 5. Dombrowski A., Piotrowska M., Gorban I., Nikiforov M. Status and threats to avifauna. (Eds. Dombrowski A., & Z. Glowacki, та інші). Bug river valleys as the ecological corridor: state-threats-protection. IUCN European Programme. Warsaw. 2002. S. 87-102.

Breeding long-term trend: 1. Tucker G.M., Heath M.F. Birds in Europe: their conservation status. - Cambridge. U.K. Bird Life Conservation Series №. 3. 1994. 600 p. 2. Hagemajler W.J.M., Blair M.J. The EBCC Atlas of European Breeding Birds: Their Distribution and Abundance. Poyser. - London. 1997. 903 p. 3. Heath M.F., Evans M.I. Important birds areas in Europe. Priority sites for conservation. // Southern Europe. BirdLife International. - Cambridge. Vol.2., 2000. P. 691-724. 4. European birds populations; Estimates and trends Compiled by M. Heath, C. Borggreve, N. Peet, W. Hagemajler/ BirdLife International/EBCC. 2000. Cambridge, UK: BirdLife Conservation Series N10, 160 p. 5. Численность и размещение гнездящихся околотовных птиц в водно-болотных угодьях Азово-Черноморского побережья Украины. Под ред. В.Д. Сиохин / Wetland International Киев. 2000. 476 с. 6. Горбань І. Оцінка чисельності гніздових птахів України. Вісник Львівського університету. Серія біологічна. Випуск 34. 2003. с. 147 – 158. 7. Directory of Azov – Black Sea Coastal Wetlands / Ed. By G. Marushevsky – Kyiv, 2003, Wetland International, 235 p. 8. Birds in Europe: Population Estimates, Trends and Conservation Status. BirdLife Conservation Series 12; 2004. 374 p. 9. Directory of Ukraine's Wetlands / Ed. By G. Marushevsky & I. Zaruk. – Kyiv, 2006, Wetland International Black Sea Programme. - 312 с. 10. Бокотей А.А., Дзюбенко Н.В., Горбань І.М. та інші. Гніздова орнітофауна басейну Верхнього Дністра. – Львів: ЛНУ, 2010. – 400 с.

Charadrius dubius (Little Ringed Plover)

United Kingdom: C. d. curonicus, Europe & North-west Africa/West Africa

Breeding population size: Conway, G.J., Burton, N.H.K, Handschuh, M. & Austin, G.E. In prep. Changes in breeding populations of Ringed Plover *Charadrius hiaticula* and Little Ringed Plover *C. dubius* in the United Kingdom.

Breeding short-term trend: Gibbons, D.W., Reid, J.B. & Chapman, R.A. 1993. The New Atlas of Breeding Birds in Britain and Ireland: 1988–1991. Poyser, London. Conway, G.J., Burton, N.H.K, Handschuh, M. & Austin, G.E. In prep. Changes in breeding populations of Ringed Plover *Charadrius hiaticula* and Little Ringed Plover *C. dubius* in the United Kingdom.

Breeding long-term trend: Parrinder, E.D. 1989. Little Ringed Plovers *Charadrius dubius* in Britain in 1984. *Bird Study* 36: 147-153. Conway, G.J., Burton, N.H.K, Handschuh, M. & Austin, G.E. In prep. Changes in breeding populations of Ringed Plover *Charadrius hiaticula* and Little Ringed Plover *C. dubius* in the United Kingdom.

Bibliography

- Barter, M. 2002. *Shorebirds of the Yellow Sea*. Wetlands International, Canberra, Australia.
- Barter, M. A. 2006. The Yellow Sea - a vitally important staging region for migratory shorebirds. In: Boere, G.; Galbraith, C., Stroud, D. (ed.), *Waterbirds around the world*, pp. 663-667. The Stationary Office, Edinburgh, UK.
- Cramp, S.; Simmons, K. E. L. 1983. *Handbook of the birds of Europe, the Middle East and Africa. The birds of the western Palearctic vol. III: waders to gulls*. Oxford University Press, Oxford.
- Wiersma, P., Kirwan, G.M., Christie, D.A. & Boesman, P. (2013). Little Ringed Plover (*Charadrius dubius*). In: del Hoyo, J., Elliott, A., Sargatal, J., Christie, D.A. & de Juana, E. (eds.) (2013). *Handbook of the Birds of the World Alive*. Lynx Edicions, Barcelona. (retrieved from <http://www.hbw.com/node/53825> on 15 April 2015).
- Grimmett, R.; Inskipp, C.; Inskipp, T. 1998. *Birds of the Indian Subcontinent*. Christopher Helm, London.
- Hayman, P.; Marchant, J.; Prater, A. J. 1986. *Shorebirds*. Croom Helm, London.
- Hockey, P. A. R.; Dean, W. R. J.; Ryan, P. G. 2005. *Roberts birds of southern Africa*. Trustees of the John Voelcker Bird Book Fund, Cape Town, South Africa.
- Hubalek, Z., Skorpiakova, V.; Horal, D. 2005. Avian botulism at a sugar beet processing plant in South Moravia (Czech Republic). *Vetinarni Medicina* 50(10): 443-445.
- Johnsgard, P. A. 1981. *The plovers, sandpipers and snipes of the world*. University of Nebraska Press, Lincoln, U.S.A. and London.
- Ratcliffe, D. A. 1974. Ecological Effects of Mineral Exploitation in the United Kingdom and their Significance to Nature Conservation. *Proceedings of the Royal Society of London Series A* 339(1618): 355-372.
- Sparks, T. H.; Huber, K.; Bland, R. L.; Crick, H. Q. P.; Croxton, P. J.; Flood, J.; Loxton, R. G.; Mason, C. F.; Newnham, J.A.; Tryjanowski, P. 2007. How consistent are trends in arrival (and departure) dates of migrant birds in the UK? *Journal of Ornithology* 148: 503-511.
- Tanabe, S.; Senthilkumar, K.; Kannan, K.; Subramanian, A. N. 1998. Accumulation features of polychlorinated biphenyls and organochloride pesticides in resident and migratory birds from south India. *Archives of Environmental Contamination and Toxicology* 34(3): 387-397.
- Urban, E. K.; Fry, C. H.; Keith, S. 1986. *The birds of Africa vol. II*. Academic Press, London.