



2017 - NATIONAL REPORT OF PARTIES ON THE IMPLEMENTATION OF THE CONVENTION ON THE CONSERVATION OF MIGRATORY SPECIES OF WILD ANIMALS

The deadline for submission of the reports is 24 April 2017. The reporting period is from May 2014 to April 2017.

Parties are encouraged to respond to all questions. Parties are also requested to provide comprehensive answers, including, where appropriate, a summary of activities, information on factors limiting action and details of any assistance required.

The reporting format was agreed by the Standing Committee at its 40th Meeting (Bonn, November 2012) for mandatory use by Parties, for reports submitted to the Eleventh Meeting of the Conference of the Parties (COP11). The 45th meeting of the Standing Committee recommended the use of the same format for reports submitted to COP12, with necessary adjustments to take into account relevant COP11 decisions, in particular amendments to the Appendices and resolutions.

COP Resolution 9.4 adopted at Rome called upon the Secretariats and Parties of CMS Agreements to collaborate in the implementation and harmonization of online reporting implementation. The CMS Family Online Reporting System (ORS) has been successfully implemented and used by AEWA in their last Meeting of the Parties (MOP 5, 2012) reporting cycle. CMS now offers the Convention's Parties to use the ORS for submitting their national reports for the COP11 (2014) reporting cycle.

Please enter here the name of your country
> Republic of Estonia

Which agency has been primarily responsible for the preparation of this report?
> Estonian Environmental Board

Please list any other agencies that have provided input
> Ministry of the Environment

I(a). General Information

Please enter the required information in the table below:

Party

Date of entry into force of the Convention in your country
> 1.10.2008

Period covered
> 1 May 2014 to 1 April 2017

Territories to which the Convention applies
> Estonia

Designated National Focal Point

Full name of the institution
> Ministry of the Environment

Name and title of designated Focal Point
> Hanno Zingel, Advisor of the Ministry of the Environment

Mailing address
> 7a Narva mnt 15172 Tallinn

Telephone
> (+372) 5139079

Fax
> (+372) 626 2801

E-mail
> hanno.zingel@envir.ee

Appointment to the Scientific Council

Full name of the institution
> Environmental Board, Nature Conservation Department

Name and title of contact officer
> Agu Leivits, Senior Officer on Biodiversity

Mailing address
> Environmental Agency
Nigula office
Pärnu County
Tali 86101
Vana-Järve

Telephone
> +(372) 510 1175

Fax
> +(372) 680 7427

E-mail
> agu.leivits@keskkonnaamet.ee

Submission

Name and Signature of officer responsible for submitting national report

Name:
> Hanno Zingel, Adviser of the Department of the Nature Conservation

Address:

> Ministry of the Environment, 7a Narva mnt 15172 Tallinn

Tel.:

> (+372) 5139078

Fax:

> (+372) 6262 801

E-mail:

> hanno.zingel@envir.ee

Date of submission

> 24.04.2017

Membership of the Standing Committee (if applicable):

Name:

> No membership

Address

> No membership

Tel

> No membership

Fax

> No membership

E-mail

> No membership

Implementation

Competent Authority:

> Ministry of the Environment

Relevant implemented legislation:

> Nature Conservation Act, Hunting Act, Fishing Act, Planning Act, Water Act, Environmental Impact Assessment and Environmental Management System Act

Other relevant Conventions/ Agreements (apart from CMS) to which your country is a Party:

> Convention on Wetlands of International Importance Especially as Waterfowl Habitat 1971 ("Ramsar Convention"), Convention on International Trade in Endangered Species of Wild Fauna and Flora 1973 (CITES), Convention on the Conservation of European Wildlife and Natural Habitats, 1979 ("Bern Convention"), Convention on Biological Diversity 1992, Council Directive of 2 April 1979 on the conservation of wild birds (79/409/EEC) ("Birds Directive"), Council Directive of 21 May 1992 on the conservation of natural habitats and of wild fauna and flora (92/43/EEC)

National policy instruments (e.g. national biodiversity conservation strategy, etc.):

> Nature Conservation Action Plan 2013 - 2020 (includes CBD topics).

You have attached the following documents to this answer.

[Nature_Conservation_Development_Plan_until_2020_toim_l6plik_\(muudetud_ökosüsteemiteenuste_termini_osas\).doc](#)

CMS Agreements/MoU

Please indicate whether your country is part of the following Agreements/MoU. If so, please indicate the competent national institution

Wadden Sea Seals (1991)

Wadden Sea Seals (1991)

Non Range State

Membership of the Trilateral Seal Expert Group

Name

> Non Range State

Address

> Non Range State

Tel

> Non Range State

EUROBATS (1994)

EUROBATS (1994)

Party

Appointed member of the Advisory Committee

Name

> Meelis Leivits

Address

> Environmental Agency

Nigula office

Pärnu County

Tali 86101

Vana-Järve

Tel

> +372 5342 5379

E-mail

> meelis.leivits@envir.ee

Administrative Focal Point

Name

> Kaja Lotman

Address

> Environmental Board

27 Narva mnt 15172 Tallinn

Estonia

Tel

> +372 5247899

E-mail

> kaja.lotman@keskkonnaamet.ee

ASCOBANS (1994)

ASCOBANS (1994)

Non-party Range State

AEWA (1999)

AEWA (1999)

Party

National Focal Point

Name

> Hanno Zingel, Advisor of the Ministry of the Environment

Address

> Ministry of the Environment

7a Narva mnt 15172 Tallinn

Tel

> (+372) 5139079

Fax

> (+372) 6262 881

E-mail

> hanno.zingel@envir.ee

ACAP (2001)

ACAP (2001)

Non Range State

Gorilla Agreement (2008)

Gorilla Agreement (2008)

Non Range State

ACCOBAMS (2001)

ACCOBAMS (2001)

Non Range State

Birds of Prey (Raptors) MoU (2008)

Birds of Prey (Raptors) MoU (2008)

Non-signatory Range State

Sharks MoU (2010)

Sharks MoU (2010)

Non-signatory Range State

Involvement of other government departments/NGOs/private sector

1. Which other government departments are involved in activities/initiatives for the conservation of migratory species in your country? (Please list.)

> Environmental Board, Environmental Agency, Environmental Inspectorate, Land Board, State Forest Centre

2. If more than one government department is involved, describe the interaction/relationship between these government departments:

> Ministry of the Environment, Nature Conservation Department - policy;

Environmental Board - policy implementation (e.g. permits and limits, species action plans, management plans for protected areas, compensations schemes, nature education);

Environmental Agency - monitoring and data holding and management;

Environmental Inspectorate - processes environmental violations;

Land Board - spatial information production, holding and access;

State Forest Centre - practical actions for habitat management on state land, nature education;

Estonian Agricultural Registers and Information Board - subsidies for semi-natural habitat management

3. Has a national liaison system or committee been established in your country?

No

4. List the main non-governmental organizations actively involved in activities/initiatives for the conservation of migratory species in your country, and describe their involvement:

> Estonian Ornithological Society - monitoring of migratory bird species, public awareness and nature education;

Estonian Fund for Nature - voluntary habitat management, monitoring of bat species;

4a. Please provide detail on any devolved government/overseas territory authorities involved.

> No any involvement on on any devolved government/overseas territory authorities.

5. Describe any involvement of the private sector in the conservation of migratory species in your country:

> Filling contracts for for semi-natural habitat restoration and management.

6. Note any interactions between these sectors in the conservation of migratory species in your country:

> Volunteers engaged in bird counts and monitoring of migratory birds as well small-scale habitat management.

I(b). Information about involved Authorities

Identify the ministry, agency/department or organization that is responsible for leading actions relating to Appendix I species

1- Birds

> Environmental Board

2- Aquatic Mammals

> non-range state

3- Reptiles

> non-range state

4- Terrestrial Mammals

> Environmental Board (bats)

5- Fish

> non-range state

II. Appendix I species

1. BIRDS

1.1 General questions on Appendix I bird species

1. Is the taking of all Appendix I bird species prohibited by the national implementing legislation cited in Table I(a) (General Information)?

Yes

If other legislation is relevant, please provide details:

> Nature Conservation Act;

List of legally protected species, I, II and III species category;

Hunting Act

1a. If the taking of Appendix I bird species is prohibited by law, have any exceptions been granted to the prohibition?

No

If Yes, please provide details (Include the date on which the exception was notified to the CMS Secretariat pursuant to CMS Article III(7):

> not applicable

2. Identify any obstacles to migration that exist in relation to Appendix I bird species:

By-catch

Electrocutation

Habitat destruction

Wind turbines

Pollution

2a. What actions are being undertaken to overcome these obstacles?

> Pilot study of by-catch and monitoring (oil)pollutions is important for protection *Polysticta stelleri*. Wintering areas are protected and there are fishing limitations according to protection rules. Electrocutation and wind turbines are threat to *Haliaeetus albicilla*. However, electrocutation has little impact, it is the case for few breeding pairs and in those cases wires have been covered by special plastic tubes. Wind turbines is also case of *Anser erythropus*. During assessment of impact of wind turbine to nature the breeding and feeding areas of *Haliaeetus albicilla* and migration routes and feeding areas of *Anser erythropus* have been taken into account. Restoration and management of semi-natural grasslands in larger scale is carried on to avoid habitat loss of migratory waterbirds.

2b. Please report on the progress / success of the actions taken.

> Nearly 30 000 ha of semi-natural grasslands are managed to prevent habitat loss.

2c. What assistance, if any, does your country require in order to overcome these obstacles?

> Good cooperation in management practices between boreal countries is in place and should continue.

3. What are the major pressures to Appendix I bird species (transcending mere obstacles to migration)?

Other

> -

3a. What actions have been taken to prevent, reduce or control factors that are endangering or are likely to further endanger bird species beyond actions to prevent disruption to migrating behaviour?

> Legal protection of the main wintering, feeding, stop-over and breeding sites.

3b. Please report on the progress / success of the actions taken.

> Main wintering, feeding, stop-over and breeding areas are protected as Natura 2000 bird areas (SPA) and this network between different areas is effective to avoid disruption of migrating behaviour. Active management actions for habitats are planned and implemented (e.g. restoration and management of semi-natural stop-over sites for *Anser erythropus*).

3c. Describe any factors that may limit action being taken in this regard:

> Lack of sufficient resources may limit actions.

1.2 Questions on specific Appendix I bird species

In the following section, using the table format below, please fill in each Appendix I bird species for which your country is considered to be a Range State. Please complete each table as appropriate, providing information in summary form. Where appropriate, please cross-reference to information already provided in national reports that have been submitted under other conventions (e.g. Convention on Biological Diversity, Ramsar Convention, CITES). (Attach annexes as necessary.)

Species name: Anser erythropus

1. Please provide published distribution reference:

> 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.

You have attached the following Web links/URLs to this answer.

Biodiversity Monitoring Reports 2014.2016: Anser erythropus

2a. Summarise information on population size (if known):

decreasing

> 2008-2012: 18-34 in. 2013-2016: 3-27 in

2b. Summarise information on distribution (if known):

stable

3. Indicate and briefly describe any activities that have been carried out in favour of this species in the reporting period. (Please provide the title of the project and contact details, where available):

Research

Identification and establishment of protected areas

> All permanent stop-over sites are legally protected.

Monitoring

> Every year. Monitoring is funded by state environmental monitoring programme.

Education/awareness rising

> Publication review: Toming, M. 2011. The Lesser White-fronted Goose and its conservation in Estonia.

Hirundo Supplementum 11, 62pp.

Training of census makers.

Species protection

> Highest rank of national protection categories.

Control hunting / poaching

> Non-hunting species.

Habitat protection

> Regular habitat management scheme for stop-over habitats (semi natural grasslands)

Habitat restoration

> Restoration of seminatural grassland habitats as potential stop-over sites.

Other

> Species action plan for *Anser erythropus* for period 2009-2013 adopted by Ministry of Environment on 18.06.2009. New National Species Action Plan will be approved by Environmental Board in 2017.

5. Describe any future activities that are planned for this species:

> Management of semi-natural grasslands on stop-over sites. Annual monitoring of number of birds on main staging places.

Species name: Aquila clanga

1. Please provide published distribution reference:

> 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.

2a. Summarise information on population size (if known):

increasing

decreasing

> In 2001-2012 increase 50-70 %.. Number of breeding pairs 5-10 (2008-2012 estimate)

2b. Summarise information on distribution (if known):

decreasing

3. Indicate and briefly describe any activities that have been carried out in favour of this species in the reporting period. (Please provide the title of the project and contact details, where available):

Research

> Cross-breeding with *Aquila pomarina*, satellite tracking of migration routs and wintering areas.

ackström, N.; Väli, Ü. (2011). Sex- and species-biased gene flow in a spotted eagle hybrid zone. *BMC Evolutionary Biology*, 11, 100

Väli, Ü. (2011). Numbers and hybridisation of spotted eagles in Estonia as revealed by country-wide field observations and genetic analysis. *Estonian Journal of Ecology*, 60, 143 - 154.

Identification and establishment of protected areas

> Species occurrence is taken into account for designation protected areas.

Monitoring

> All known nests are checked every year.

Education/awareness rising

Species protection

> All known nests are protected by Nature Conservation Act.

Control hunting / poaching

Habitat protection

> Protection zones for all known nests.

4. If no activities have been carried out for this species in the reporting period, what has prevented such action being taken?

> -

5. Describe any future activities that are planned for this species:

> New national species action plan for *Aquila clanga* is under preparation. Ongoing study on hybridization of Greater Spotted Eagle and Lesser Spotted Eagle.

Species name: *Aythya nyroca*

1. Please provide published distribution reference:

> 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.

2a. Summarise information on population size (if known):

not known

> *Aythya nyroca* is very rare visitor in Estonia.

2b. Summarise information on distribution (if known):

not known

4. If no activities have been carried out for this species in the reporting period, what has prevented such action being taken?

> *Aythya nyroca* is very rare and irregular visitor in Estonia.

5. Describe any future activities that are planned for this species:

> No special activities for protection are planned. Collection of all observations of species occurrence.

Species name: *Branta ruficollis*

1. Please provide published distribution reference:

> 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.

2a. Summarise information on population size (if known):

stable

> *Branta ruficollis* is regular migratory bird with few individuals per year

2b. Summarise information on distribution (if known):

stable

3. Indicate and briefly describe any activities that have been carried out in favour of this species in the

reporting period. (Please provide the title of the project and contact details, where available):

Identification and establishment of protected areas

> All known regular staging sites of *Branta ruficollis* are on protected areas.

Monitoring

> Collecting observations with on-line reporting system eBiodiversity

Species protection

> Legally protected species.

Control hunting / poaching

> Non-hunting species

Habitat protection

> Habitat management of semi-natural grasslands

Habitat restoration

4. If no activities have been carried out for this species in the reporting period, what has prevented such action being taken?

> -

5. Describe any future activities that are planned for this species:

> No special activities for protection are planned. Collection of observations of the staging birds.

Species name: *Emberiza aureola*

1. Please provide published distribution reference:

> Non-range species for Estonia. Very rare vagrant, only 3 records during spring migration (the latest 1982).

2a. Summarise information on population size (if known):

unclear

2b. Summarise information on distribution (if known):

unclear

4. If no activities have been carried out for this species in the reporting period, what has prevented such action being taken?

> -

5. Describe any future activities that are planned for this species:

> -

Species name: *Haliaeetus albicilla*

1. Please provide published distribution reference:

> 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.

2a. Summarise information on population size (if known):

increasing

> In 2001-2012 increase 50-70 %.. Number of breeding pairs 220-250 (2008-2012 estimate)

2b. Summarise information on distribution (if known):

increasing

> In 2001-2012 increase 20-50 %.

3. Indicate and briefly describe any activities that have been carried out in favour of this species in the reporting period. (Please provide the title of the project and contact details, where available):

Research

> Colored ringing, satellite telemetry, breeding success, analyses of reasons of death, population genetic. Langguth, T., Honnen, A.-C., Hailer, F., Mizera, T., Skoric, S., Väli, Ü., Zachos, F. E. (2013). Genetic structure and phylogeography of a European flagship species, the white-tailed sea eagle (*Haliaeetus albicilla*). *Journal of Avian Biology*, 44, 263 - 271.

Leivits, Madis (2016). White Tailed Eagle (*Haliaeetus albicilla*) mortality causes from Estonia: shared health risks to nesting and wintering in Estonia. 12th Conference of the European Wildlife Disease Association (EWDA). Berlin, Saksamaa: Leibniz Institute for Zoo and Wildlife Research, 144.

- Identification and establishment of protected areas
 - > Species occurrence is taken into account for designation protected areas.
- Monitoring
 - > All known nests are checked regularly.
- Education/awareness rising
 - > Web cameras on winter feeding places and nesting sites are very popular for wide public audience.
- Species protection
 - > All known nests are protected by Nature Conservation Act
- Control hunting / poaching
 - > Non-hunting species
- Habitat protection
 - > Protection zones for all known nests.
- Other
 - > National Species Action Plan will be updated by Environmental Board in 2017.

5. Describe any future activities that are planned for this species:

- > Implementation of activities agreed in species action plan for *Haliaeetus albicilla* approved in 2013.

Species name: **Polysticta stelleri**

1. Please provide published distribution reference:

- > 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.

2a. Summarise information on population size (if known):

- decreasing
 - > 2008-2012 number of wintering birds 800 - 2100 ind. During 2001-2012 decline 20-50%;
- stable

2b. Summarise information on distribution (if known):

- stable

3. Indicate and briefly describe any activities that have been carried out in favour of this species in the reporting period. (Please provide the title of the project and contact details, where available):

- Research
 - > Flight counts for identification the wintering areas. Coordinated avian censuses on Baltic sea in 2016
- Identification and establishment of protected areas
 - > Occurrence of species is taken into account for designation protected areas
- Monitoring
 - > Mid-winter waterfowl count (State Environmental Monitoring program)
- Species protection
 - > Main wintering areas are on protected areas
- Habitat protection
 - > Other
- > National Species Action Plan will be approved by Environmental Board in 2017.

4. If no activities have been carried out for this species in the reporting period, what has prevented such action being taken?

- > -

Species name: **Falco vespertinus**

1. Please provide published distribution reference:

- > 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.

2a. Summarise information on population size (if known):

- unclear
 - > Occasional rare breeding bird, mainly observed during irruption years.

2b. Summarise information on distribution (if known):

unclear

4. If no activities have been carried out for this species in the reporting period, what has prevented such action being taken?

> Irregular species' presence.

Species name: Calidris canutus rufa

1. Please provide published distribution reference:

> Non-range species for Estonia. Subspecies Calidris canutus rufa not found in Estonia.

Species name: Coracias garrulus

2a. Summarise information on population size (if known):

decreasing

> The last breeding in Estonia 2011.

2b. Summarise information on distribution (if known):

decreasing

> The last breeding in Estonia 2011.

3. Indicate and briefly describe any activities that have been carried out in favour of this species in the reporting period. (Please provide the title of the project and contact details, where available):

Identification and establishment of protected areas

Monitoring

> Collecting observation and checking nestboxes.

Species restoration

> 100 special nestboxes placed in 2000

Habitat protection

Habitat restoration

> Management of seminatural areas with grazing in protected areas.

2. AQUATIC MAMMALS

2.1 General questions on Appendix I aquatic mammals

1. Is the taking of all Appendix I aquatic mammals species prohibited by the national implementing legislation cited in Table I(a) (General Information)?

Yes

1a. If the taking of Appendix I aquatic mammals species is prohibited by law, have any exceptions been granted to the prohibition?

No

2. Identify any obstacles to migration that exist in relation to Appendix I aquatic mammals:

By-catch

Pollution

3. What are the major pressures to Appendix I aquatic mammals species (transcending mere obstacles to migration)?

Pollution

By-catch

6. LISTING OF OTHER ENDANGERED MIGRATORY SPECIES IN APPENDIX I

1. Is your country a Range State for any other endangered migratory species currently listed in Appendix I?

(according to the latest IUCN red data list). N.B.: States in which a species occurs as a vagrant (i.e. not "on its normal migration route") should not be treated as Range States. Please refer to Article 1 of the Convention for clarification.

No

1a. Is your country taking any steps to propose listing any of these species?

No

III. Appendix II Species

1. INFORMATION ON APPENDIX II SPECIES

Information pertaining to the conservation of Appendix II species that are the object of CMS Agreements will have been provided in periodic Party reports to those instruments. It will suffice therefore to reference (below), and preferably append, a copy of the latest report that has been submitted to the Secretariat of each of the Agreement/MoUs to which your country is a Party.

EUROBATS (1994)

Date of last report:
> 2014

You have attached the following Web links/URLs to this answer.

[National implementation report of Estonia](#)

Period covered:
> 2010-2014

AEWA (1999)

Date of last report:
> 05.06.2015

You have attached the following Web links/URLs to this answer.

[National Report of Estonia \(MOP6\)](#)

Period covered
> 2012-2014

2. QUESTIONS ON CMS AGREEMENTS

Questions on the development of new CMS Agreements relating to Bird Species

1. In the current reporting period, has your country **initiated** the development of any CMS Agreements, including Memoranda of Understanding, to address the needs of Appendix II Bird Species ?

No

2. In the current reporting period, has your country **participated** in the development of any new CMS Agreements, including Memoranda of Understanding, which address the conservation needs of Appendix II Bird Species ?

No

4. Is the development of any CMS Agreement for Bird Species, including Memoranda of Understanding, planned by your country in the foreseeable future?

No

Questions on the development of new CMS Agreements relating to Marine Mammal Species

1. In the current reporting period, has your country **initiated** the development of any CMS Agreements, including Memoranda of Understanding, to address the needs of Appendix II Marine Mammal Species ?

No

2. In the current reporting period, has your country **participated** in the development of any new CMS Agreements, including Memoranda of Understanding, which address the conservation needs of Appendix II Marine Mammal Species ?

No

4. Is the development of any CMS Agreement for Marine Mammal Species, including Memoranda of Understanding, planned by your country in the foreseeable future?

No

Questions on the development of new CMS Agreements relating to Bat Species

1. In the current reporting period, has your country **initiated** the development of any CMS Agreements, including Memoranda of Understanding, to address the needs of Appendix II Bat Species ?

No

2. In the current reporting period, has your country **participated** in the development of any new CMS Agreements, including Memoranda of Understanding, which address the conservation needs of Appendix II Bat Species ?

No

4. Is the development of any CMS Agreement for Bat Species, including Memoranda of Understanding, planned by your country in the foreseeable future?

No

3. LISTING OF MIGRATORY SPECIES IN APPENDIX II

1. Is your country a Range State for any migratory species that has an unfavourable conservation status, but is not currently listed in Appendix II and could benefit from the conclusion of an Agreement for its conservation?

N.B.: States in which a species occurs as a vagrant (i.e. not "on its normal migration route") should not be treated as Range States. Please refer to Article 1 of the Convention for clarification.

No

1a. Is your country taking any steps to propose the listing of this/these species in Appendix II?

No

IV. National and Regional Priorities

1. What priority does your country assign to the conservation and, where applicable, sustainable use of migratory species in comparison to other biodiversity-related issues

High

2. Are migratory species and their habitats addressed by your country's national biodiversity strategy or action plan?

Yes

2.1. If Yes, please indicate and briefly describe the extent to which it addresses the following issues:

Conservation, sustainable use and/or restoration of migratory species

Conservation, sustainable use and/or restoration of the habitats of migratory species, including protected areas

Actions to prevent, reduce or control factors that are endangering or are likely to further endanger migratory species (e.g. alien invasive species or by-catch)

Minimizing or eliminating barriers or obstacles to migration

> Removal of dams on salmon rivers

Research and monitoring of migratory species

> Monitoring programm e.g. for migrating waterfowl, for birds of agricultural land and mires in place.

Transboundary co-operation

> Transboundary cooperation between Republic of Latvia (joint designation of protected areas, cooperation agreement and projects) and Russian Federation (projects) for conservation and management transboundary protected areas.

3. Does the conservation of migratory species currently feature in any other national or regional policies/plans (apart from CMS Agreements)

Yes

3.1. If Yes, please provide details:

> Nature Conservation Act

Nature Conservation Development Plan 2013 - 2020

You have attached the following documents to this answer.

[Nature Conservation Development Plan until 2020 toim l6plik \(muudetud ökosüsteemiteenuste termini osas\).doc](#)

3a. Do these policies/plans cover the following areas?

Exploitation of natural resources (e.g. fisheries, hunting, etc.)

Yes

Economic development

No

Land-use planning

Yes

If Yes, please provide details

> Green Network established and considered in land-use planning. More precise applications in preparation.

Pollution control

Yes

If Yes, please provide details

> Development innovative monitoring approaches (LiDAR based) oil pollution monitoring. Preparation for implementation EU Marine Strategy Directive.

Designation and development of protected areas

Yes

If Yes, please provide details

> Designation of new protected sites, renewing protection regime, development of management plans for all protected sites (deadline 2020) and implementation of management plans.

Development of ecological networks

Yes

If Yes, please provide details

> Analysis of the efficiency of the ecological (green) network completed, additional measures in place (2020).

Planning of power lines

Yes

If Yes, please provide details

> Impact assessment of power line development, avoidance protected areas. Cooperation with electricity companies to reduce length of open lines, replacing them with ground lines in critical bottleneck sites for migratory birds.

Planning of fences

Yes

If Yes, please provide details

> Impact assessment of planned fences to wildlife, e.g. in Rail Baltic development corridor.

Planning of dams

Yes

If Yes, please provide details

> Planning and implementing the removal of dams from salmonid rivers important for fish migration.

Other

No

V. Protected Areas

1. Are migratory species taken into account in the selection, establishment and management of protected areas in your country?

Yes

If Yes, please provide details:

> Implementation of European Union Bird and Habitat Directives based also for migratory species as conservation targets. Management Plans of Protected Areas based on conservation values including migratory species.

1a. Please identify the most important national sites for migratory species and their protection status:

> Matsalu National Park, Vilsandi National Park, Lahemaa National Park, Soomaa National Park, Alam-Pedja Nature Reserve, Peipsiveere Nature Reserve, Luitemaa Nature Reserve, Väinameri Limited Conservation Area, Nõva-Osmussaare Limited Conservation Area, Kura Kurk/Irbe Strait Limited Conservation Area, Gretagrund Limited Conservation Area, Pärnu Bay Limited Conservation Area, Kahtla-Kübassaare Limited Conservation Area, Pakri Limited Conservation Area,

1b. Do these protected areas cover the following areas?

Terrestrial

Yes

If Yes, please provide details and include the amount of protected areas coverage and the number of protected areas

> 18,7% of terrestrial areas (811 547 ha) are protected (31.12.2016)

You have attached the following Web links/URLs to this answer.

[Kaitstava territooriumi pindala Eestis 31.12.2016 seisuga](#)

Aquatic

Yes

If Yes, please provide details and include the amount of protected areas coverage and the number of protected areas

> 44% of aquatic (inland large lakes) areas (81 534 ha) are protected (31.12.2016)

You have attached the following Web links/URLs to this answer.

[Kaitstava territooriumi pindala Eestis 31.12.2016 seisuga](#)

Marine

Yes

If Yes, please provide details and include the amount of protected areas coverage and the number of protected areas

> 27% of marine areas (680 426 ha) are protected (31.12.2016)

You have attached the following Web links/URLs to this answer.

[Kaitstava territooriumi pindala Eestis 31.12.2016 seisuga](#)

1c. Identify the agency, department or organization responsible for leading on this action in your country:

> Estonian Environmental Board

2. Results - please describe the positive outcomes of any actions taken

> There are 66 SPA (total area 12 592 km²) and 542 SCI (total area 11 490 km²) forming Estonian Natura 2000 network, which is coherent for the migratory animal. 17 areas have status of Ramsar areas (during 2016 two new Ramsar areas candidate have been designated on the base of national law).

VI. Policies on Satellite Telemetry

1. In the current reporting period, has your country undertaken conservation/research projects that use satellite telemetry?

Yes

If yes what is the state of those projects

on-going

Please provide details

> *Ciconia nigra*, *Aquila clanga*, *Aquila pomarina*, *Pandion haliaetus*, *Haliaeetus albicilla*, *Grus grus*, *Numenius arquata*, *Tetrao urogallus*, *Lanius collurio*, *Emberiza hortulana*

2. Are any future conservation/research projects planned that will use satellite telemetry?

Yes

If Yes, please provide details (including the expected timeframe for these projects):

> There are planned to use satellite telemetry in case of several migratory species according to national species action plans. Conservation actions with using of satellite telemetry completed or on-going for *Ciconia nigra*, *Aquila clanga*, *Aquila pomarina*, *Pandion haliaetus*, *Haliaeetus albicilla*, *Buteo buteo*, *Grus grus*, *Numenius arquata*, *Tetrao urogallus*, *Lanius collurio*, *Emberiza hortulana*. There are cost related and technological restrictions (especially with animals with smaller body size) to use satellite telemetry.

3. Results - please describe the positive outcomes of any actions taken

> Väli, Ü.; Bergmanis, U. (2017). Apparent survival rates of adult Lesser Spotted Eagles *Clanga pomarina* estimated by GPS-tracking, colour rings and wing-tags. *Bird Study*, 64 (1), 104–107, 00063657.2016.1271395.

Väli, Ü.; Sellis, U. (2016). Migration patterns of the Osprey *Pandion haliaetus* on the Eastern European - East African flyway. *Ostrich*, 87 (1), 23–28, 10.2989/00306525.2015.1105319.

Väli, Ü.; Sellis, U. (2014). Why an Osprey *Pandion haliaetus* after breeding in Estonia on autumn migrations regularly moved north-east to visit St. Petersburg? *The Russian Journal of Ornithology*, 23, 3477–3486. 1.2.

Pérez-García, J. M.; Sellis, U.; Väli, Ü. (2014). Winter ranging behaviour of a greater spotted eagle (*Aquila clanga*) in southeast Spain during four consecutive years. *Slovak Raptor Journal*, 8 (2), 123–128, 10.2478/srj-2014-0014.

Ojaste, Ivar; Leito, Aivar; Suorsa, Petri; Leivits, Meelis; Palm, Vello; Sepp, Mait; Meitern, Helve; Sellis, Urmas (2014). Migration tactics in the Eurasian crane (*Grus grus*) families in reaching Ethiopian over-wintering sites as revealed by satellite telemetry. VIII European Crane Conference Scientific Abstracts of Oral and poster contributions: VIII European Crane Conference; Gallocanta, Spain; 10-14.11.2014. 36–37.

Leito, Aivar; Ojaste, Ivar; Pöder, Indrek; Sellis, Urmas (2013). The breeding Homorange and First Autumn Migration of two Offspring from a Crane brood in 2009. In: Proceedings of the VIIth European Crane Conference: breeding, resting, migration and biology : 7th European Crane Conference; Stralsund, Germany; Oct. 14-17, 2010. (Eds.) Nowald, Günter; Weber, Alexander; Fanke, Jane; Weinhardt, Elke; Donner, Norman. Groß Mohrdorf, Germany: Crane Conservation Germany, 2013, 151 - 154.

Väli, Ü.; Sellis, U (2007). Occurrence of satellite-tracked Greater Spotted Eagles *Aquila clanga* from Estonia in the Sava River valley. *Ciconia*, 16, 95 - 95.

Sellis, U.; Männik, R.; Väli, Ü. (2007). Maria on migration: a satellite-telemetrical study on spring and autumn migration of an Estonian osprey (*Pandion haliaetus*). *Hirundo*, 20, 1 - 13.

VII. Membership

1. Have actions been taken by your country to encourage non- Parties to join CMS and its related Agreements?

No

If Yes, please provide details. (In particular, describe actions taken to recruit the non-Parties that have been identified by the Standing Committee as high priorities for recruitment.)

> No actions been taken by your country to encourage non- Parties to join CMS.

1a. Identify the agency, department or organization responsible for leading on this action in your country:

> No actions.

2. Results - please describe the positive outcomes of any actions taken

> No actions.

VIII. Global and National Importance of CMS

1. Have actions been taken by your country to increase national, regional and/or global awareness of the relevance of CMS and its global importance in the context of biodiversity conservation?

Yes

If Yes, please provide details:

> Regular educational trainings in Bird Ringing Stations (bird and bat migration), celebration of World Migratory Bird Day and International Wetlands Day, observation champagnes organized by Ornithological Society etc., environmental education programmes, websites and printed materials.

2. Identify the agency, department or organization responsible for leading on this action in your country:

> Estonian Environmental Board, Estonian Ornithological Society, State Forest Centre, Estonian Environmental Agency, regional environmental education centres, universities, NGOs.

3. Results - please describe the positive outcomes of any actions taken

> Database about environmental education opportunities in Estonia, network of environmental education centres, media products etc.

IX. Mobilization of Resources

1. Has your country made financial resources available for conservation activities having direct benefits for migratory species in your country?

Yes

If Yes, please provide details (Indicate the migratory species that have benefited from these activities):

> All bats species (12), *Phoca vitulina*, *Halichoerus grypus*, *Cygnus columbianus*, *Anser erythropus*, *Anser anser*, *Polysticta stelleri*, *Ciconia nigra*, *Calidris alpina (schinzii)*, *Limosa limosa*, *Gallinago media*, *Philomachus pugnax*, *Charadrius hiaticula*, *Numenius arquata*, *Sterna caspia*, *Sterna sandvicensis*, *Sterna hirundo*, *Sterna paradisaea*, *Sterna albifrons*, *Chlidonias niger*, *Chlidonias niger*, *Grus grus*, *Crex crex*, *Porzana porzana*, *Botaurus stellaris*, *Pandion haliaetus*, *Circus aeruginosus*, *Aquila clanga*, *Aquila pomarina*, *Aquila chrysaetos*, *Accipiter gentilis*, *Ficedula parva*, *Emberiza hortulana*)

2. Has your country made voluntary contributions to the CMS Trust Fund to support requests from developing countries and countries with economies in transition?

No

If Yes, please provide details:

> not applicable

3. Has your country made other voluntary financial contributions to support conservation activities having direct benefits for migratory species in other countries (particularly developing countries)?

No

If Yes, please provide details (Indicate the migratory species that have benefited from these activities):

> not applicable

4. Has your country provided technical and/or scientific assistance to developing countries to facilitate initiatives for the benefit of migratory species?

No

If Yes, please provide details (Indicate the migratory species that have benefited from these activities):

> not applicable

5. Has your country received financial assistance/support from the CMS Trust Fund, via the CMS Secretariat, for national conservation activities having direct benefits for migratory species in your country?

No

If Yes, please provide details (Indicate the migratory species that have benefited from these activities):

> not applicable

6. Has your country received financial assistance/support from sources other than the CMS Secretariat for conservation activities having direct benefit for migratory species in your country?

Yes

If Yes, please provide details (Indicate the migratory species that have benefited from these activities):

> European Union European Regional Development Fund (ERDF): national species action plans for species Annex I & II species (e.g. all bats species, *Phoca vitulina*, *Halichoerus grypus*, *Cygnus columbianus*, *Anser erythropus*, *Anser anser*, *Polysticta stelleri*, *Ciconia nigra*, *Calidris alpina (schinzii)*, *Limosa limosa*, *Gallinago media*, *Philomachus pugnax*, *Charadrius hiaticula*, *Numenius arquata*, *Sterna caspia*, *Sterna sandvicensis*, *Sterna hirundo*, *Sterna paradisaea*, *Sterna albifrons*, *Chlidonias niger*, *Chlidonias niger*, *Grus grus*, *Crex crex*, *Porzana porzana*, *Botaurus stellaris*, *Pandion haliaetus*, *Circus aeruginosus*, *Aquila clanga*, *Aquila pomarina*, *Aquila chrysaetos*, *Accipiter gentilis*, *Ficedula parva*, *Emberiza hortulana*), management plans for protected areas important for migratory species, investments for habitat management in protected areas important for migratory species and wildlife rehabilitation (including rehabilitation of the oil-spill victims). European Regional Development Fund (ERDF) ESTLAT programme "Eagles cross borders": *Haliaeetus albicilla* & *Pandion haliaetus*.

Innovative approaches for marine biodiversity monitoring and assessment of conservation status of nature values in the Baltic Sea (MARMONI), LIFE 09 NAT/LV/000238; 2010 - 2015): marine waterbirds.

EU Cohesion Fund: Restoration meadow and mire habitats as important stop-over habitats of migratory birds and funding inventories of migratory species.

The European Economic Area (EEA) Financial Mechanism 2009-2014 supported the project "Elaboration of Estonia's Draft National Climate Change Adaptation Strategy and Action Plan"

X. Implementation of COP Resolutions and Recommendations

Please provide information about measures undertaken by your country relating to recent Resolutions and Recommendations since the last Report. For your convenience please refer to the list of COP Resolutions and Recommendations listed below:

Avian Species and Issues

Electrocution of Migratory Birds (Res. 7.04 / Res. 10.11)

> When assessing bird mortalities due to the electric transmission lines, the electric transmission line densities should also be considered. Population density in Estonia is low (about 30 people/km²). About 70% of the population lives in urban areas (and 30% of the population lives in the capital). This means there is relatively small amount of electricity transmission facilities in Estonian nature, including important bird areas. There have been several actions to take appropriate cost-effective measures to reduce bird mortality from electric transmission facilities. Firstly, where economically possible the old air power lines have been replaced with under ground power lines and this work is continuing. When new big transmission networks are planned, environmental assessment is carried out and if environmental concerns are witnessed, mitigating measures are applied. Where possible, safer poles are used. Electrocution has little impact, mostly it is the case for breeding pairs and in those cases wires have been covered by special plastic tubes. The info of collisions and electrocutions of protected species is collected. As states the Conservation Act (§ 63) the person who finds a dead specimen of an animal species included in the protected category I or II shall immediately inform the Environmental Board. The Environmental Board keeps a registry of the of the protected species that are found dead. Injured animals are also the responsibility of the Environmental Board.

Southern Hemisphere Albatross Conservation (Res. 6.3)

> Not a range State.

Migratory Landbirds in the African Eurasian Region (Res. 11.17)

> Long-term monitoring of number of breeding and migrating land birds, participation of ringing programmes (e.g. cooperation between bird observatories).

Global Flyway Conservation (Res. 10.10 / Res. 11.14)

> Protected area network and green network taking account the most important stopover site and movement corridors.

Saker Falcon (Res. 11.18)

> Not a Range State.

Migratory Species and Highly Pathogenic Avian Influenza (Res. 8.27 / Res. 9.8 / Res. 10.22)

> Veterinary and Food Board is responsible for monitoring, prevention and control of infectious animal diseases including Avian Influenza.

Poisoning Migratory Birds (Res. 11.15)

> 01.06.2013 the new Hunting Act entered into force and according to the § 26 (7) the use of lead pellets when hunting waterfowl is prohibited in Estonia.

In 2014 and 2015 environmental Board ordered analyses of 29 White-tailed Eagles found dead. Analyses showing that for 52 % of studied specimens diagnosed the cause of death through lead poisoning (Leivits, 2016). Based on the findings on studied birds, we can see high risk of lead poisoning for scavenging birds.

Cross-cutting Issues

Marine Debris (Res. 10.4 / Res. 11.30)

> Innovative monitoring scheme has been developed for monitoring marine debris in connection with implementing EU Marine Strategy Framework Directive.

Bycatch (incl. Recommendation) (Res. 6.2 / Rec. 7.2 / Res. 8.14 / Res. 9.18 / Res. 10.14)

> Use of by-catch safe fishing gear in pilot project areas (Markus Vetemaa, Tartu University) Method: Voluntary collaboration of fishermen, who provided information about drowned birds and circumstances of bycatch

Ecological Networks (Res. 10.3 / Res. 11.25)

> Both the EU Habitats Directive and the EU's Biodiversity Strategy up to 2020 provide for the creation and implementation of a coherent green network such that biodiversity would be preserved on protected objects and outside their boundaries as well. In Estonia, the establishment of the green network was launched back in 1999 in the form of national plan and county thematic plans. The basic legislation for this network is the Planning Act, and the most important legal act enacted there under is Government of the Republic order no 763 of 1999, "Initiating thematic plans of county plans", which launched in all Estonian counties the thematic

plan "Environmental conditions for guiding settlement and land use". This thematic plan is divided into two parts - "Green network plan" and "Valuable landscapes plan". Today these thematic plans have been established for all counties and work is under way at the municipal level. Even though things are not yet going that smoothly at the municipal level with regard to the green network plan and practical links with natural values require additional study and analysis, it must be said that this plan is an important and internationally pioneering administrative act. All the more so considering that the existence of a thematic plan gives Estonia a major edge over other countries with regard to ensuring coherence of the network of Natura 2000 areas.

Climate Change Impacts on Migratory Species (Res. 7.5 / Res. 11.26)

> The Estonian National Adaptation Strategy and Action Plans (NAS/NAP) has been submitted to the Government of Estonia for the final decision that is due in February 2017. The process for drawing up the NAS/NAP started in 2013. The first draft of the NAS/NAP was completed at the beginning of 2016. After a long period of negotiations the NAS/NAP and adaptation action plan (NAP) were approved by the Estonian Government on 2 March 2017.

Oil Pollution and Migratory Species (Res. 7.3)

> Estonia has a state governed system to respond to oil spills under the direction of Ministry of the Environment. The practical action is coordinated by Estonian Rescue Board and Estonian Environmental Board with the help of local authorities. Estonian Environmental Board is responsible for cleaning birds affected by oil. Rescue Board is responsible for storing and transportation of the equipment needed for cleaning. In addition, there is equipment for cleaning birds affected by oil for quick response in three coastal localities. A NGO, Estonian Fund for Nature, coordinates voluntary based oil spill prevention work, including training programs for volunteers. Regular oil spill monitoring is coordinated by Ministry of Interior. Main components in oil spill monitoring are regular flights and satellite monitoring. Also monitoring project for dead oiled birds is running in frame state environmental monitoring programme.

Impact Assessment and Migratory Species (Res. 7.2)

> EIA procedures according to Impact Assessment Law and EU Habitat Directive taking account occurrence and habitats of migratory species.

Renewable Energy and Migratory Species (Res. 7.5 / Res. 11.27)

> EIA procedures according to Impact Assessment Law and EU Habitat Directive taking account occurrence and habitats of migratory species. Guidelines has been developed for EIA procedures and optimization for offshore wind farms (MARMONI project).

Annex: Updating Data on Appendix II Species

1. The drop-down lists below contain the list of all species listed in Appendix II. Parties which did not submit a National Report in 2014 are requested to complete the entire form. Parties that did submit a report in 2014 are requested to review and update the data (e.g. new published distribution references and details concerning species added to Appendix II at COP11).

Chiroptera

Vespertilionidae spp (European populations)

Please choose the one that applies.

Range State

Published distribution reference

> Habitats directive article 17 report 2007-2012 Estonia.

You have attached the following Web links/URLs to this answer.

[Bats species assessments at Member State level: Estonia](#)

Gaviiformes

Gavia adamsii (W. Palaearctic)

Please choose the one that applies.

Range State

Published distribution reference

> 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.

Gavia arctica arctica

Please choose the one that applies.

Range State

Published distribution reference

> 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.

Gavia arctica suschkini

Please choose the one that applies.

Not a Range State

Gavia immer immer (NW Europe)

Please choose the one that applies.

Range State

Published distribution reference

> 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.

Gavia stellata (W. Palaearctic)

Please choose the one that applies.

Range State

Published distribution reference

> 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.

Podicipediformes

Podiceps auritus (W. Palaearctic)

Please choose the one that applies.

Range State

Published distribution reference

> 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.

Podiceps grisegena grisegena

Please choose the one that applies.

Range State

Published distribution reference

> 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.

Pelecaniformes

Pelecanus crispus

Please choose the one that applies.

Not a Range State

Pelecanus onocrotalus (W. Palaearctic)

Please choose the one that applies.

Not a Range State

Phalacrocorax nigrogularis

Please choose the one that applies.

Not a Range State

Phalacrocorax pygmeus

Please choose the one that applies.

Not a Range State

Ciconiiformes

Ardea purpurea purpurea (Populations breeding in the W Palaearctic)

Please choose the one that applies.

Not a Range State

Botaurus stellaris stellaris (W. Palaearctic)

Please choose the one that applies.

Range State

Published distribution reference

> 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.

Casmerodius albus albus (W. Palaearctic)

Please choose the one that applies.

Not a Range State

Ixobrychus minutus minutus (W. Palaearctic)

Please choose the one that applies.

Range State

Published distribution reference

> 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.

Ciconia ciconia

Please choose the one that applies.

Range State

Published distribution reference

> 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.

Ciconia nigra

Please choose the one that applies.

Range State

Published distribution reference

> 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.

Platalea leucorodia

Please choose the one that applies.

Range State

Published distribution reference

> 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.

Anseriformes

Anatidae spp

Please choose the one that applies.

Range State

Published distribution reference

> 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.

Falconiformes

Pandion haliaetus

Please choose the one that applies.

Range State

Published distribution reference

> 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.

Cathartidae. spp

Please choose the one that applies.

Not a Range State

Accipitridae spp

Please choose the one that applies.

Range State

Published distribution reference

> 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.

Falconidae spp

Please choose the one that applies.

Range State

Published distribution reference

> 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.

Galliformes

Coturnix coturnix coturnix

Please choose the one that applies.

Range State

Published distribution reference

> 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.

Gruiformes

Crex crex

Please choose the one that applies.

Range State

Published distribution reference

> 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.

Porzana parva parva

Please choose the one that applies.

Range State

Published distribution reference

> 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.

Porzana porzana (Populations breeding in the W Palaearctic)

Please choose the one that applies.

Range State

Published distribution reference

> 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.

Porzana pusilla intermedia

Please choose the one that applies.

Not a Range State

Otis tarda

Please choose the one that applies.

Not a Range State

Grus spp

Please choose the one that applies.

Range State

Published distribution reference

> 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.

Charadriiformes

Chlidonias leucopterus (West Eurasian and African populations)

Please choose the one that applies.

Range State

Published distribution reference

> 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.

Chlidonias niger niger

Please choose the one that applies.

Range State

Published distribution reference

> 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.

Sterna albifrons

Please choose the one that applies.

Range State

Published distribution reference

> 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.

Sterna caspia (West Eurasian and African populations)

Please choose the one that applies.

Range State

Published distribution reference

> 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.

Sterna hirundo hirundo (Populations breeding in the W Palaearctic)

Please choose the one that applies.

Range State

Published distribution reference

> 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.

Sterna paradisaea (Atlantic population)

Please choose the one that applies.

Range State

Published distribution reference

> 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.

Sterna sandvicensis sandvicensis

Please choose the one that applies.

Range State

Published distribution reference

> 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.

Recurvirostridae spp

Please choose the one that applies.

Range State

Published distribution reference

> 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.

Charadriidae spp

Please choose the one that applies.

Range State

Published distribution reference

> 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.

Scolopacidae spp

Please choose the one that applies.

Range State

Published distribution reference

> 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.

Columbiformes

Streptopelia turtur turtur

Please choose the one that applies.

Range State

Published distribution reference

> 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.

Coraciiformes

Merops apiaster

Please choose the one that applies.

Not a Range State

Coracias garrulus

Please choose the one that applies.

Range State

Published distribution reference

> 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.

Passeriformes

Muscicapidae (s.l.) spp.

Please choose the one that applies.

Not a Range State

Published distribution reference

> 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.

Squaliformes

Squalus acanthias (Northern hemisphere populations)

Please choose the one that applies.

Extinct at National level

Published distribution reference

2. All species of each of the Families below are listed in Appendix II. If your country is a Range State for any of the species in these Families, please indicate whether your country is a Range State or the species is extinct and, where appropriate, please provide published distribution references.

Order FALCONIFORMES, Family ACCIPITRIDAE

Accipiter gentilis

Choose the one that applies.

Range State

Published distribution reference

> 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.

Accipiter nisus

Choose the one that applies.

Range State

Published distribution reference

> 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.

Aquila chrysaetos

Choose the one that applies.

Range State

Published distribution reference

> 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.

Aquila clanga

Choose the one that applies.

Range State

Published distribution reference

> 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.

Aquila pomarina

Choose the one that applies.

Range State

Published distribution reference

> 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.

Buteo buteo

Choose the one that applies.

Range State

Published distribution reference

> 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.

Buteo lagopus

Choose the one that applies.

Range State

Published distribution reference

> 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.

Circaetus gallicus

Choose the one that applies.

Range State

Published distribution reference

> 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.

Circus aeruginosus

Published distribution reference

> 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.

Circus cyaneus

Choose the one that applies.

Range State

Published distribution reference

> 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.

Circus pygargus

Choose the one that applies.

Range State

Published distribution reference

> 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.

Haliaeetus albicilla

Choose the one that applies.

Range State

Published distribution reference

> 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.

Milvus milvus

Published distribution reference

> .

Pernis apivorus

Choose the one that applies.

Range State

Published distribution reference

> 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.

Order FALCONIFORMES, Family FALCONIDAE

Falco columbarius

Choose the one that applies.

Range State

Published distribution reference

> 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.

Falco peregrinus

Choose the one that applies.

Range State

Published distribution reference

> 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.

Falco subbuteo

Choose the one that applies.

Range State

Published distribution reference

> 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.

Falco tinnunculus

Choose the one that applies.

Range State

Published distribution reference

> 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.

Falco vespertinus

Choose the one that applies.

Range State

Published distribution reference

> 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.

Order PASSERIFORMES, Family MUSCICAPIDAE

Acrocephalus arundinaceus

Choose the one that applies.

Range State

Published distribution reference

> 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.

Acrocephalus palustris

Choose the one that applies.

Range State

Published distribution reference

> 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.

Acrocephalus schoenobaenus

Choose the one that applies.

Range State

Published distribution reference

> 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.

Acrocephalus scirpaceus

Choose the one that applies.

Range State

Published distribution reference

> 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.

Erithacus rubecula

Choose the one that applies.

Range State

Published distribution reference

> 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.

Ficedula albicollis

Choose the one that applies.

Range State

Published distribution reference

> 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.

Ficedula hypoleuca

Choose the one that applies.

Range State

Published distribution reference

> 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.

Ficedula parva

Choose the one that applies.

Range State

Published distribution reference

> 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.

Hippolais caligata

Choose the one that applies.

Range State

Published distribution reference

> 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.

Hippolais icterina

Choose the one that applies.

Range State

Published distribution reference

> 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.

Locustella fluviatilis

Choose the one that applies.

Range State

Published distribution reference

> 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.

Locustella luscinioides

Choose the one that applies.

Range State

Published distribution reference

> 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.

Locustella naevia

Choose the one that applies.

Range State

Published distribution reference

> 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.

Luscinia luscinia

Choose the one that applies.

Range State

Published distribution reference

> 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.

Muscicapa striata

Choose the one that applies.

Range State

Published distribution reference

> 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.

Oenanthe oenanthe

Choose the one that applies.

Range State

Published distribution reference

> 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.

Panurus biarmicus

Choose the one that applies.

Range State

Published distribution reference

> 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.

Phoenicurus ochruros

Choose the one that applies.

Range State

Published distribution reference

> 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.

Phoenicurus phoenicurus

Choose the one that applies.

Range State

Published distribution reference

> 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.

Phylloscopus collybita

Choose the one that applies.

Range State

Published distribution reference

> 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.

Phylloscopus sibilatrix

Choose the one that applies.

Range State

Published distribution reference

> 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.

Phylloscopus trochiloides

Choose the one that applies.

Range State

Published distribution reference

> 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.

Phylloscopus trochilus

Choose the one that applies.

Range State

Published distribution reference

> 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.

Regulus regulus

Choose the one that applies.

Range State

Published distribution reference

> 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.

Saxicola rubetra

Choose the one that applies.

Range State

Published distribution reference

> 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.

Sylvia atricapilla

Choose the one that applies.

Range State

Published distribution reference

> 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.

Sylvia borin

Choose the one that applies.

Range State

Published distribution reference

> 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.

Sylvia communis

Choose the one that applies.

Range State

Published distribution reference

> 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.

Sylvia curruca

Choose the one that applies.

Range State

Published distribution reference

> 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.

Sylvia nisoria

Choose the one that applies.

Range State

Published distribution reference

> 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.

Turdus iliacus

Choose the one that applies.

Range State

Published distribution reference

> 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.

Turdus merula

Choose the one that applies.

Range State

Published distribution reference

> 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.

Turdus philomelos

Choose the one that applies.

Range State

Published distribution reference

> 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.

Turdus pilaris

Choose the one that applies.

Range State

Published distribution reference

> 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.

Order ANSERIFORMES, Family ANATIDAE

Anas platyrhynchos

Choose the one that applies.

Range State

Published distribution reference

> 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.

Anas strepera

Choose the one that applies.

Range State

Published distribution reference

> 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.

Anser albifrons

Choose the one that applies.

Range State

Published distribution reference

> 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.

Anser anser

Choose the one that applies.

Range State

Published distribution reference

> 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.

Anser erythropus

Choose the one that applies.

Range State

Published distribution reference

> 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.

Anser fabalis

Choose the one that applies.

Range State

Published distribution reference

> 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.

Aythya ferina

Choose the one that applies.

Range State

Published distribution reference

> 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.

Aythya fuligula

Choose the one that applies.

Range State

Published distribution reference

> 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.

Aythya marila

Choose the one that applies.

Range State

Published distribution reference

> 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.

Aythya nyroca

Choose the one that applies.

Range State

Published distribution reference

> 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.

Branta bernicla

Choose the one that applies.

Range State

Published distribution reference

> 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.

Branta leucopsis

Choose the one that applies.

Range State

Published distribution reference

> 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.

Bucephala clangula

Choose the one that applies.

Range State

Published distribution reference

> 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.

Clangula hyemalis

Choose the one that applies.

Range State

Published distribution reference

> 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.

Cygnus bewickii

Choose the one that applies.

Range State

Published distribution reference

> 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.

Cygnus cygnus

Choose the one that applies.

Range State

Published distribution reference

> 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.

Cygnus olor

Choose the one that applies.

Range State

Published distribution reference

> 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.

Melanitta fusca

Choose the one that applies.

Range State

Published distribution reference

> 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.

Melanitta nigra

Choose the one that applies.

Range State

Published distribution reference

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Mergellus albellus

Published distribution reference

> .

Mergus albellus

Choose the one that applies.

Range State

Published distribution reference

> 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.

Mergus merganser

Choose the one that applies.

Range State

Published distribution reference

> 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.

Mergus serrator

Choose the one that applies.

Range State

Published distribution reference

> 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.

Polysticta stelleri

Choose the one that applies.

Range State

Published distribution reference

> 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.

Tadorna tadorna

Choose the one that applies.

Range State

Published distribution reference

> 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.

Order CHARADRIIFORMES, Family RECURVIROSTRIDAE

Recurvirostra avosetta

Choose the one that applies.

Range State

Published distribution reference

> 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.

Order CHARADRIIFORMES, Family CHARADRIIDAE

Charadrius hiaticula

Choose the one that applies.

Range State

Published distribution reference

> 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.

Pluvialis apricaria

Choose the one that applies.

Range State

Published distribution reference

> 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.

Pluvialis squatarola

Choose the one that applies.

Range State

Published distribution reference

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Vanellus vanellus

Choose the one that applies.

Range State

Published distribution reference

> 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.

Order CHARADRIIFORMES, Family SCOLOPACIDAE

Arenaria interpres

Choose the one that applies.

Range State

Published distribution reference

> 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.

Calidris alba

Choose the one that applies.

Range State

Published distribution reference

> 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.

Calidris alpina

Choose the one that applies.

Range State

Published distribution reference

> 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.

Calidris canutus

Choose the one that applies.

Range State

Published distribution reference

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Calidris ferruginea

Choose the one that applies.

Range State

Published distribution reference

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Calidris maritima

Choose the one that applies.

Range State

Published distribution reference

> 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.

Calidris minuta

Choose the one that applies.

Range State

Published distribution reference

> 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.

Calidris temminckii

Choose the one that applies.

Range State

Published distribution reference

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Gallinago gallinago

Choose the one that applies.

Range State

Published distribution reference

> 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.

Gallinago media

Choose the one that applies.

Range State

Published distribution reference

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Limicola falcinellus

Choose the one that applies.

Range State

Published distribution reference

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Limosa lapponica

Choose the one that applies.

Range State

Published distribution reference

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Limosa limosa

Choose the one that applies.

Range State

Published distribution reference

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Lymnocyptes minimus

Choose the one that applies.

Range State

Published distribution reference

> 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.

Numenius arquata

Choose the one that applies.

Range State

Published distribution reference

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Numenius phaeopus

Choose the one that applies.

Range State

Published distribution reference

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Phalaropus lobatus

Choose the one that applies.

Range State

Published distribution reference

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Philomachus pugnax

Choose the one that applies.

Range State

Published distribution reference

> 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.

Scolopax rusticola

Choose the one that applies.

Range State

Published distribution reference

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Tringa erythropus

Choose the one that applies.

Range State

Published distribution reference

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Tringa hypoleucos

Choose the one that applies.

Range State

Published distribution reference

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Tringa nebularia

Choose the one that applies.

Range State

Published distribution reference

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Tringa ochropus

Choose the one that applies.

Range State

Published distribution reference

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Tringa totanus

Choose the one that applies.

Range State

Published distribution reference

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Order CHIROPTERA, Family VESPERTILIONIDAE (European populations)

Eptesicus nilssonii

Choose the one that applies.

Range State

Published distribution reference

> Habitats directive article 17 report 2007-2012 Estonia. <http://cdr.eionet.europa.eu/ee/eu/art17/envuc0mhq/>

Myotis brandtii

Choose the one that applies.

Range State

Published distribution reference

> Habitats directive article 17 report 2007-2012 Estonia

Myotis dasycneme

Choose the one that applies.

Range State

Published distribution reference

> Habitats directive article 17 report 2007-2012 Estonia

Myotis daubentonii

Choose the one that applies.

Range State

Published distribution reference

> Habitats directive article 17 report 2007-2012 Estonia

Myotis mystacinus

Choose the one that applies.

Range State

Published distribution reference

> Habitats directive article 17 report 2007-2012 Estonia

Myotis nattereri

Choose the one that applies.

Range State

Published distribution reference

> Habitats directive article 17 report 2007-2012 Estonia

Nyctalus noctula

Choose the one that applies.

Range State

Published distribution reference

> Habitats directive article 17 report 2007-2012 Estonia

Pipistrellus nathusii

Choose the one that applies.

Range State

Published distribution reference

> Habitats directive article 17 report 2007-2012 Estonia

Pipistrellus pipistrellus

Choose the one that applies.

Range State

Published distribution reference

> Habitats directive article 17 report 2007-2012 Estonia

Pipistrellus pygmaeus

Choose the one that applies.

Range State

Published distribution reference

> Habitats directive article 17 report 2007-2012 Estonia

Plecotus auritus

Choose the one that applies.

Range State

Published distribution reference

> Habitats directive article 17 report 2007-2012 Estonia

Vespertilio murinus

Choose the one that applies.

Range State

Published distribution reference

> Habitats directive article 17 report 2007-2012 Estonia

References cited in the Annex:

> eBiodiversity - web interface for the taxa found in Estonia.

Habitats directive article 17 report 2007-2012 Estonia.

Birds Directive article 12 report 2008-2012.

Eltis, 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.

You have attached the following Web links/URLs to this answer.

[Mammal species assessments at Member State level: Estonia](#)

[Bird species trends at the Member State level: Estonia](#)

[eBiodiversity - web interface for the taxa found in Estonia](#)