



## **EUROBATS**

# **EUROBATS National Implementation Report MoP9**

This questionnaire reflects obligations of the Parties listed in Resolution 8.11 Implementation of the Conservation and Management Plan (2019 - 2022) and other effective Resolutions.

In case of technical issues and questions, please use a support center button in the bottom before contacting the Secretariat.

## A. General Information

Name of your country

>>> Finland

Period covered by this report

>>> 2018- May 2022

Is your country a party to EUROBATS Agreement?

Yes

Competent authority

Title, address, phone, fax, e-mail and other contact details

>>> Ministry of the Environment, P.O.Box 35, FI-00023, Government, Finland.

phone: +358 295 16001 (switchboard), fax:+358 9 1603 9320, Email: registry.ym@gov.fi

Personal details of administrative focal point (s)

>>> Dr. Esko Hyvärinen, Senior Ministerial Adviser, Ministry of the Environment, P.O.Box 35, FI-00023, Government, Finland

Please give details of designated scientific focal points

>>> Eeva-Maria Tidenberg, Planner, Finnish Museum of Natural History, P.O. Box 17, FI-00014 University of Helsinki, Finland

Compilers and contributors to this report

>>> Esko Hyvärinen

### Bats species which occur in the territory

Please select only species which were recorded from your country

**Species: Eptesicus nilssonii (Keyserling & Blasius, 1839)**

### Status of the species within the territory

Status of occurrence

Please give details if the species is not resident. E.g. year of extinction, description of occasional findings etc. Text boxes are expandable.

Resident: breeding

Resident: hibernation

### Conservational status

Overall national trend

Stable

Status in the National Red List

Please indicate status of the species in the national red data list or similar document

>>> LC

Year of the Red List assesment

>>> 2019

### Natura2000 or Emerald reports

Has the national status reported under the Article 17 of the Habitat Directive(2019) or for the Emerald network (non-EU countries) changed since the previous assessment?

No

**Species: Eptesicus serotinus (Schreber, 1774)**

## Status of the species within the territory

Status of occurrence

Please give details if the species is not resident. E.g. year of extinction, description of occasional findings etc. Text boxes are expandable.

Occasional

## Conservational status

Overall national trend

Not studied

Status in the National Red List

Please indicate status of the species in the national red data list or similar document

>>> NA

Year of the Red List assesment

>>> 2019

## Natura2000 or Emerald reports

Has the national status reported under the Article 17 of the Habitat Directive(2019) or for the Emerald network (non-EU countries) changed since the previous assessment?

No

## Species: *Myotis brandtii* (Eversmann, 1845)

### Status of the species within the territory

Status of occurrence

Please give details if the species is not resident. E.g. year of extinction, description of occasional findings etc. Text boxes are expandable.

Resident: breeding

Resident: hibernation

## Conservational status

Overall national trend

Indeterminate

Status in the National Red List

Please indicate status of the species in the national red data list or similar document

>>> LC

Year of the Red List assesment

>>> 2019

## Natura2000 or Emerald reports

Has the national status reported under the Article 17 of the Habitat Directive(2019) or for the Emerald network (non-EU countries) changed since the previous assessment?

No

## Species: *Myotis dasycneme* (Boie, 1825)

### Status of the species within the territory

#### Status of occurrence

Please give details if the species is not resident. E.g. year of extinction, description of occasional findings etc. Text boxes are expandable.

Occasional

#### Conservational status

Overall national trend

Not studied

Status in the National Red List

Please indicate status of the species in the national red data list or similar document

>>> NA

Year of the Red List assesment

>>> 2019

#### Natura2000 or Emerald reports

Has the national status reported under the Article 17 of the Habitat Directive(2019) or for the Emerald network (non-EU countries) changed since the previous assessment?

No

#### Species: **Myotis daubentonii (Kuhl, 1817)**

#### Status of the species within the territory

Status of occurrence

Please give details if the species is not resident. E.g. year of extinction, description of occasional findings etc. Text boxes are expandable.

Resident: breeding

Resident: hibernation

#### Conservational status

Overall national trend

Stable

Status in the National Red List

Please indicate status of the species in the national red data list or similar document

>>> LC

Year of the Red List assesment

>>> 2019

#### Natura2000 or Emerald reports

Has the national status reported under the Article 17 of the Habitat Directive(2019) or for the Emerald network (non-EU countries) changed since the previous assessment?

No

#### Species: **Myotis mystacinus (Kuhl, 1817)**

#### Status of the species within the territory

Status of occurrence

Please give details if the species is not resident. E.g. year of extinction, description of occasional findings etc. Text boxes are expandable.

- Resident: breeding
- Resident: hibernation

### **Conservational status**

Overall national trend

- Indeterminate

Status in the National Red List

Please indicate status of the species in the national red data list or similar document

>>> LC

Year of the Red List assesment

>>> 2019

### **Natura2000 or Emerald reports**

Has the national status reported under the Article 17 of the Habitat Directive(2019) or for the Emerald network (non-EU countries) changed since the previous assessment?

- No

### **Species: Myotis nattereri (Kuhl, 1817)**

#### **Status of the species within the territory**

Status of occurrence

Please give details if the species is not resident. E.g. year of extinction, description of occasional findings etc. Text boxes are expandable.

- Resident: breeding
- Resident: hibernation

### **Conservational status**

Overall national trend

- Indeterminate

Status in the National Red List

Please indicate status of the species in the national red data list or similar document

>>> EN

Year of the Red List assesment

>>> 2019

### **Natura2000 or Emerald reports**

Has the national status reported under the Article 17 of the Habitat Directive(2019) or for the Emerald network (non-EU countries) changed since the previous assessment?

- No

### **Species: Nyctalus noctula (Schreber, 1774)**

#### **Status of the species within the territory**

Status of occurrence

Please give details if the species is not resident. E.g. year of extinction, description of occasional findings etc. Text boxes are expandable.

Occasional

### **Conservational status**

Overall national trend

Not studied

Status in the National Red List

Please indicate status of the species in the national red data list or similar document

>>> NA

Year of the Red List assesment

>>> 2019

### **Natura2000 or Emerald reports**

Has the national status reported under the Article 17 of the Habitat Directive(2019) or for the Emerald network (non-EU countries) changed since the previous assessment?

No

### **Species: Pipistrellus nathusii (Keyserling & Blasius, 1839)**

#### **Status of the species within the territory**

Status of occurrence

Please give details if the species is not resident. E.g. year of extinction, description of occasional findings etc. Text boxes are expandable.

Resident: breeding

### **Conservational status**

Overall national trend

Indeterminate

Status in the National Red List

Please indicate status of the species in the national red data list or similar document

>>> VU

Year of the Red List assesment

>>> 2019

### **Natura2000 or Emerald reports**

Has the national status reported under the Article 17 of the Habitat Directive(2019) or for the Emerald network (non-EU countries) changed since the previous assessment?

No

### **Species: Pipistrellus pipistrellus (Schreber, 1774)**

#### **Status of the species within the territory**

Status of occurrence

Please give details if the species is not resident. E.g. year of extinction, description of occasional findings etc. Text boxes are expandable.

Occasional

## Conservational status

Overall national trend

Not studied

Status in the National Red List

Please indicate status of the species in the national red data list or similar document

>>> NA

Year of the Red List assesment

>>> 2019

## Natura2000 or Emerald reports

Has the national status reported under the Article 17 of the Habitat Directive(2019) or for the Emerald network (non-EU countries) changed since the previous assessment?

No

## Species: *Pipistrellus pygmaeus* (Leach, 1825)

### Status of the species within the territory

Status of occurrence

Please give details if the species is not resident. E.g. year of extinction, description of occasional findings etc. Text boxes are expandable.

Occasional

## Conservational status

Overall national trend

Not studied

Status in the National Red List

Please indicate status of the species in the national red data list or similar document

>>> NA

Year of the Red List assesment

>>> 2019

## Natura2000 or Emerald reports

Has the national status reported under the Article 17 of the Habitat Directive(2019) or for the Emerald network (non-EU countries) changed since the previous assessment?

No

## Species: *Plecotus auritus* (Linnaeus, 1758)

### Status of the species within the territory

Status of occurrence

Please give details if the species is not resident. E.g. year of extinction, description of occasional findings etc. Text boxes are expandable.

Resident: breeding

Resident: hibernation

## Conservational status

Overall national trend

Stable

Status in the National Red List

Please indicate status of the species in the national red data list or similar document

>>> LC

Year of the Red List assesment

>>> 2019

## Natura2000 or Emerald reports

Has the national status reported under the Article 17 of the Habitat Directive(2019) or for the Emerald network (non-EU countries) changed since the previous assessment?

No

## Species: Vespertilio murinus Linnaeus, 1758

### Status of the species within the territory

Status of occurrence

Please give details if the species is not resident. E.g. year of extinction, description of occasional findings etc. Text boxes are expandable.

Occasional

## Conservational status

Overall national trend

Not studied

Status in the National Red List

Please indicate status of the species in the national red data list or similar document

>>> NA

Year of the Red List assesment

>>> 2019

## Natura2000 or Emerald reports

Has the national status reported under the Article 17 of the Habitat Directive(2019) or for the Emerald network (non-EU countries) changed since the previous assessment?

No

## 1. Legal Requirements

### Resolution 4.6. Guidelines for the issue of permits for the capture and study of captured wild bats

Does the system of permits or licenses for the capture of bats exist in your country?

Yes

System of permits or licences for the keeping of bats for educational or animal welfare purposes

In place



System of permits or licences for sampling, ringing, killing of bats for scientific study

Exists

Comments

>>> -

## **Resolution 6.5. Guidelines on ethics for research and field work practices**

National Code of Practice that addresses the context and legitimacy of acquisition, due diligence, long-term care, documentation, relevance and institutional aims

Doesn't exist

Other activities carried out under this resolution (optional)

>>> Relevant provisions are included in the Nature Conservation Act and the Animal Welfare Act of Finland.

Please, give details of the legislation which is protecting bats

>>> The Nature Conservation Act and the Animal Welfare Act of Finland

Which species are not protected and why?

>>> All species of bats are fully protected.

## **2. Population survey and monitoring**

### **Resolution 2.2. Consistent monitoring methodologies**

Implementation of EUROBATS guidelines published in EUROBATS Publication n°5 to ensure consistency and information exchange between Parties and Range States

Yes

Please give details

>>> Systematic bat monitoring throughout the country is not yet fully in place. However, steps have been taken to improve the coverage and methodology of monitoring.

### **Resolution 5.4. Monitoring bats across Europe**

Involvement in a long-term pan-European surveillance to provide trend data

No

Awareness-raising of the importance of underground sites

Yes

Collaboration and information exchange with other Parties and range states on surveillance and monitoring activities

No

Monitoring bats in accordance with EUROBATS Publication n°5

Yes

Capacity building of bat workers and surveyors to support the undertaking of bat surveillance projects

Exists

Other activities under Resolution 5.4.

>>> -

### **Resolution 6.13. Bats as indicators for biodiversity**

Does your country support a development of national, regional and pan-European biodiversity indicators for appropriate target audiences, using bat data

No

Bat data is incorporated within high profile national multi-taxa indicators

Yes

Body in charge for gathering the data for these indicators

>>> Finnish Museum of Natural History, Finnish Environment Institute.

Cooperation platforms that facilitate the required data exchange

Exist

Please specify or give links

>>> Finnish Biodiversity Information Facility (<https://laji.fi/en>)

### **Resolution 7.7. Bat conservation and sustainable forest management**

National guidance has been developed based on the principles in the EUROBATS Bats and Forestry leaflet

No

Examples of best practice for forest management are submitted to the Secretariat

No

If no, provide explanations or give links to available examples

>>> -

Research in forest management that is sustainable for bats (attach file or provide links)

>>> Not available

### **Resolution 7.10. Bat Rescue and Rehabilitation**

Animal rescue and rehabilitation systems are effective in the country

Yes

Collaboration between bat rehabilitators and scientists

Exists

Provide examples of collaboration

>>> On a case by case basis, as necessary.

Bat rehabilitators submit their data to a national database

No

### **Resolution 7.12. Priority species for autecological studies**

#### **Priority Species**

#### **Rhinolophus blasii Peters, 1866**

Some studies have been conducted (are ongoing) for this species in the country

No

#### **Priority Species**

#### **Eptesicus isabellinus (Temminck, 1840)**

Some studies have been conducted (are ongoing) for this species in the country

No

#### **Priority Species**

#### **Myotis escaleraei Cabrera, 1904**

Some studies have been conducted (are ongoing) for this species in the country

No

#### **Priority Species**

#### **Nyctalus azoreum (Thomas, 1901)**

Some studies have been conducted (are ongoing) for this species in the country

No

#### **Priority Species**

#### **Nyctalus lasiopterus (Schreber, 1780)**

Some studies have been conducted (are ongoing) for this species in the country

No

### **Priority Species**

#### **Pipistrellus hanaki Hulva & Benda, 2004**

Some studies have been conducted (are ongoing) for this species in the country

No

### **Priority Species**

#### **Pipistrellus maderensis (Dobson, 1878)**

Some studies have been conducted (are ongoing) for this species in the country

No

### **Priority Species**

#### **Plecotus kolombatovici Dulic, 1980**

Some studies have been conducted (are ongoing) for this species in the country

No

### **Priority Species**

#### **Plecotus sardus Mucedda, Kiefer, Pidinchredda & Veith, 2002**

Some studies have been conducted (are ongoing) for this species in the country

No

### **Priority Species**

#### **Plecotus teneriffae Barrett-Hamilton, 1907**

Some studies have been conducted (are ongoing) for this species in the country

No

## **Resolution 8.3. Monitoring of daily and seasonal movements of bats**

### **Studies on daily/seasonal movements**

#### References

Provide references to completed or ongoing studies on daily/seasonal movements of bats in your country in the text field below or attach a file

>>> Not available

## **Resolution 8.4 Wind Turbines and Bat Populations**

Raising awareness on the impact of turbines on bats and the existence of some unsuitable habitats or sites for construction

Yes

If yes, how?

>>> There are national guidelines on wind farm construction that was published in 2012 and updated in 2016. Main purpose of the guide is to ensure as consistent application of the legislation as possible in controlling wind farm construction, including legislation on conservation of bats.

Are impact assessment procedures and post-construction monitoring undertaken by appropriately experienced experts?

Yes

Please, give details

>>> -

National guidelines have been developed following Eurobats Pub. No. 6

No

National guidelines are implemented

Yes

Please, provide implementation details

>>> -

Investigations and research for mitigating bat mortality have been undertaken

No

Post-construction monitoring, if possible, is undertaken by suitably experienced bat experts

If yes, give details

Yes

>>> Effects on birds are monitored more closely, but also bats are included in some of the surveys.

Developers of wind energy projects and responsible authorities make raw data from impact assessment and post-construction monitoring available for independent analysis.

No

Measures such as blade feathering, higher turbine cut-in wind speeds and shutting down turbines are implemented

No

## **Resolution 8.10 Recommended Experience and Skills of Experts with regard to Quality of Assessments**

### **Compliance with Annex to Resolution 8.10**

Experts/groups of experts carrying out assessment of projects, plans and programmes on populations of European bats meet the minimum standard of skills, knowledge and experience as described in the Annex to Resolution 8.10

Yes, completely or partially

#### **If yes**

Please provide details

>>> -

## **3. Roosts**

### **Resolution 4.5. Guidelines for the use of remedial timber treatment**

Small projects to provide basic data to allow an assessment of the potential impact of industry on bat populations

No

Raising awareness of product users is taking place

No

Legislation on products which have any adverse effects on bats

Exists

Please attach documents or provide links

>>> For example on chemicals: <https://ym.fi/kemikaalilainsaadanto>

### **Resolution 5.7. Guidelines for the protection of overground roosts, with particular reference to roosts in buildings of cultural heritage importance**

List of national important overground roosts (including legal/physical protection status)

Doesn't exist

National guidelines for custodians of historical buildings on the protection of bat roosts have been developed

No

#### **Other activities carried out under this resolution (optional)**

>>> All roosts are fully protected by the Nature Conservation Act.

### **Resolution 7.6. Guidelines for the protection and management of important**

## **underground habitats for bats**

List of important underground sites for bats and measures of their protection (including Natura 2000, Emerald or other status) was submitted to EUROBATS

Yes

Updated counts of bats at each listed site are submitted to the Secretariat

No

Management of important underground sites for bats is in accordance with EUROBATS Publication n°2

No

Other relevant activities for the protection of underground habitats

>>> All underground sites are fully protected by the Nature Conservation Act.

## **Resolution 8.5. Conservation and Management of Important Overground Sites for Bats**

Most important overground roosts are identified at the national level considering the guidance on site selection developed by the Advisory Committee and using the national databases.

If yes, please give details

>>> A national database exist and is used by authorities to ensure full protection.

## **Resolution 8.9. Bats, Insulation and Lining Materials**

Are bats included in the impact assessment of insulation programs at a strategic level?

If yes, please give details

>>> No

Are any actions undertaken to ensure that insulation projects comply with national legislation regarding bat protection and conservation by implementing appropriate pre-insulation survey and assessment, mitigation and compensation to avoid roost loss and bat mortality?

Please provide information concerning such actions and attach files, if required

>>> As roosts are fully protected, they have to be taken into account also in insulation projects.

## **4. Habitats**

Click "expand" to see the questions!

### **Resolution 7.8. Conservation and management of critical feeding areas, core areas around colonies and commuting routes**

Are national guidelines which are based on the general guidance given in EUROBATS Publication No. 9 are developed and published? Please provide details or add a file.

>>> National guidelines as such have not been published. Other national guidelines, including bats, exist.

### **Resolution 7.9. Impact of roads and other traffic infrastructures on bats**

Bats are taken into account during the planning, construction and operation of roads and other infrastructure projects

Yes

Please give details or attach a file with description

>>> -

Pre-construction strategic and environmental impacts assessment procedures are mandatory

Are mandatory

Post-construction monitoring

Required occasionally

Raw data from environmental impact assessment and post-construction monitoring is available for independent scientific analysis

No

Research into the impact of new and, where appropriate, existing roads and other infrastructure on bats

and into the effectiveness of mitigation measures

No

## **Resolution 8.6. Bats and Light Pollution**

Is national guidance taking due account of the EUROBATS Publication Series No. 8 on Bats and Light Pollution developed and promoted? If yes, please give details or attach a file.

>>> No

## **5. Promoting Public Awareness of Bats and their Conservation and Providing Advice**

Click "expand" to see the questions!

International Bat Night. Give details for each year: number of events and number of people participated

>>> During the COVID-pandemic such events haven't been organized. Otherwise events annually in different locations.

## **Resolution 4.11. Recognising the important role of NGOs in bat conservation**

Details of NGOs participating in /contributing to bat protection and most valuable activities that have the potential to substantially improve transboundary cooperation and mutual assistance

>>> The Chiropterological Society of Finland, see: <https://www.lepakko.fi/home>

## **Resolution 8.13. Insect Decline as a Threat to Bat Populations in Europe**

Awareness of the multiple ecological services provided by bats, especially for the agricultural sector and regarding the concerns about the published evidence of dramatic loss of insect biomass in open land is raised with land managers and other stakeholders.

Please, give details

>>> In connection with other awareness raising related to insect loss.

## **6. Insect declines**

### **Resolution 8.13. Insect Decline as a Threat to Bat Populations in Europe**

Activities to encourage and support scientific research on the impact of the insect decline on bat populations

Please give details of such activities.

>>> No such activities ongoing. As a first step studies and documentation of insect decline are needed.

## **7. International co-operation**

Implementation of Resolutions 7.10, 7.12, 8.3, 8.7

Please give information on the international cooperation with the aim of implementing the recommendations of Resolutions 7.10, 7.12, 8.3, 8.7.

>>> Haven't taken place during the reporting period.

## **8. Diseases**

Click "expand" to see the questions!

### **Resolution 5.2. Bat rabies in Europe**

National bat rabies surveillance network

No

Vaccination of risk groups against rabies is compulsory

Yes

Details of the institution(s) in charge of recording of all test results and their submission to the World Health Organisation

>>> Finnish Food Safety Authority, <https://www.ruokavirasto.fi/en/>

### **Resolution 6.6. Guidelines for the prevention, detection and control of lethal fungal infections in bats**

Surveillance for the presence of fungal infections

Yes

## **9. EUROBATS Projects Initiative (EPI)**

Donations to Eurobats Project Initiative

Has your country provided funding to EPI? Please give details below.

>>> No

## **10. Climate change**

### **Resolution 8.7. Bats and Climate Change**

Resolution 8.7 Bats and Climate Change

Please provide details on changes in species migration, hibernation, reproductive and range shift patterns and consequent species interactions, if those changes have been studied in your country. Add files if required

>>> -

## **C. Confirmation**

### **Confirmation of information verification and approval for submission**

#### **Please confirm:**

In addition a scanned copy of an official letter from the relevant state institution, approving the report for submission, can be attached.

I declare that the information provided in the Report on the implementation of EUROBATS has been verified and the report has been approved for submission by the appropriate state institution in the country.

#### **Date of submission**

Fill as follows: dd.mm.yyyy

>>> 30.06.2022