



## EUROBATS National Implementation Report

In the Resolution 7.4, the 7th Meeting of Parties to EUROBATS decided to adopt a new format for the National Implementation Reports and instructed the Secretariat to make this new format available for online completion in time for MoP8.

Present format of national reports was carefully revised by the relevant Intersessional Working Group during the 20th Meeting of the Advisory Committee (2015) in order to include the Resolutions of MoP7 and is now available on the CMS Family Online Reporting System (ORS).

Please visit the Support Centre page in case of any questions regarding the Online Reporting System. The link is available in the bottom left corner.

### A. General Information

Name of your country

> Norway

Period covered by this report

> 2015-2018

Is your country a party to EUROBATS Agreement?

Yes

Competent authority

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

> Norwegian Environment Agency

P.O. Box 5672 Torgard

NO-7485 Trondheim

Norway

Personal details of administrative focal point (s)

> Principal Adviser Øystein Størkersen

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Please give details of designated scientific focal points

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Norwegian Zoological Society & Helgeland Museum

Compilers and contributors to this report

> Øystein Størkersen

Per Ole Syvertsen

## B. Status of bat species within the territory

Please assess a national status ONLY for those bat species from the Annex 1 to EUROBATS Agreement that were recorded in your country

### **Barbastella barbastellus (Schreber, 1774)**

Status of the species occurrence

Resident

#### **General comments**

Comments

Add specific comments, if required

> One locality, one hibernation site.

Overall national trend

Indeterminate

Status in the National Red List (when it exists)

CR, Critically Endangered

Year of assessment

> 2015

Has the status been reported under the Article 17 of the Habitat Directive or for the Emerald network (non-EU countries)?

No

### **Eptesicus nilssonii (Keyserling & Blasius, 1839)**

Status of the species occurrence

Resident

#### **General comments**

Comments

Add specific comments, if required

> Cf [www.artsdatabanken.no](http://www.artsdatabanken.no) for national red lists.

Overall national trend

Stable

Status in the National Red List (when it exists)

LC, Least Concern

Year of assessment

> 2015

Has the status been reported under the Article 17 of the Habitat Directive or for the Emerald network (non-EU countries)?

No

### **Eptesicus serotinus (Schreber, 1774)**

Status of the species occurrence

Occasional

#### **General comments**

Comments

Add specific comments, if required

> Only single record.

Overall national trend

Not studied

Status in the National Red List (when it exists)

NE, not evaluated

Year of assessment

> 2015

Has the status been reported under the Article 17 of the Habitat Directive or for the Emerald network (non-EU countries)?

No

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

Status of the species occurrence

Resident

Overall national trend

Stable

Status in the National Red List (when it exists)

LC, Least Concern

Year of assessment

> 2015

Has the status been reported under the Article 17 of the Habitat Directive or for the Emerald network (non-EU countries)?

No

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

Status of the species occurrence

Resident

Overall national trend

Stable

Status in the National Red List (when it exists)

LC, Least Concern

Year of assessment

> 2015

Has the status been reported under the Article 17 of the Habitat Directive or for the Emerald network (non-EU countries)?

No

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

Status of the species occurrence

Resident

Overall national trend

Stable

Status in the National Red List (when it exists)

LC, Least Concern

Year of assessment

> 2015

Has the status been reported under the Article 17 of the Habitat Directive or for the Emerald network (non-EU countries)?

No

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

Status of the species occurrence

Resident

### **General comments**

Comments

Add specific comments, if required

> Only one record recent years.

Overall national trend

Indeterminate

Status in the National Red List (when it exists)

CR, Critically Endangered

Year of assessment

> 2015

Has the status been reported under the Article 17 of the Habitat Directive or for the Emerald network (non-EU countries)?

No

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

Status of the species occurrence

Resident

### **General comments**

Comments

Add specific comments, if required

> No hibernacula and breeding roosts known.

Overall national trend

Indeterminate

Status in the National Red List (when it exists)

VU, Vulnerable

Year of assessment

> 2015

Has the status been reported under the Article 17 of the Habitat Directive or for the Emerald network (non-EU countries)?

No

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

Status of the species occurrence

Resident

### **General comments**

Comments

Add specific comments, if required

> Mostly recorded during migration seasons.

Overall national trend

Indeterminate

Status in the National Red List (when it exists)

VU, Vulnerable

Year of assessment

> 2015

Has the status been reported under the Article 17 of the Habitat Directive or for the Emerald network (non-EU countries)?

No

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

Status of the species occurrence

Resident

#### **General comments**

Comments

Add specific comments, if required

> Only known only from one small area in western Norway.

Overall national trend

Indeterminate

Status in the National Red List (when it exists)

VU, Vulnerable

Year of assessment

> 2015

Has the status been reported under the Article 17 of the Habitat Directive or for the Emerald network (non-EU countries)?

No

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

Status of the species occurrence

Resident

Overall national trend

Stable

Status in the National Red List (when it exists)

LC, Least Concern

Year of assessment

> 2015

Has the status been reported under the Article 17 of the Habitat Directive or for the Emerald network (non-EU countries)?

No

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

Status of the species occurrence

Resident

Overall national trend

Stable

Status in the National Red List (when it exists)

LC, Least Concern

Has the status been reported under the Article 17 of the Habitat Directive or for the Emerald network (non-EU countries)?

No

### **Vespertilio murinus Linnaeus, 1758**

Status of the species occurrence

Resident

Overall national trend

Stable

Status in the National Red List (when it exists)

NT, Near Threatened

Year of assessment

> 2015

Has the status been reported under the Article 17 of the Habitat Directive or for the Emerald network (non-EU countries)?

No

## C. Measures taken to implement Article III of the Agreement

Does the national legislation protect all bat species?

Yes

Please, give details of the legislation which is protecting bats

> Wildlife Act (1981) and the national biodiversity act (2009).

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

General nature protection act - Act on conservation and guidance to the sectors and public

Wildlife Act - Act that protects wildlife

Which species are not protected and why?

> All are protected.

# 1. 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

Comments (optional)

> There is a general availability of exemption in the act. The NEA do not recommend practising this and has signalled to the government agencies on the local Level (ie the Count Governor) that this should not be allowed.

System of permits or licences to keep bats for educational or animal welfare purposes

In place

Comments

> A national rescue center for bats is licensed to take care of such animals. Under the supervision of the national Scientific body at EUROBATS represented by the Zoological Society.

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

Exists

Comments (optional)

> Government system in Place and Licenses can be Applied for and Reporting requirements applies. System run by the national ringing center and permits issued by NEA.



## **2. Identified and protected sites which are important to the conservation of bats**

Click "expand" to see the questions!

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

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

Doesn't exist

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

No

#### Comments

> General guidance on Conservation of bats in buildings and use of building materials issued by the national zoological society.

2.6. Summary report on interactions between the relevant cultural and natural heritage agencies (attach a file or provide a description)

> These are updates whenever there is new info material, resolution or other guidance by AEWA as submitted to the relevant sectors and ministerial and agency Level.

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

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

Yes

#### **2.1. List of important underground sites**

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

Yes

When the latest update was submitted?

> 2017

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

Yes

2.3. Other relevant activities for the protection of underground habitats

> Grilling of entrance to sites fulfilled, as well as informing the local authorities of relevance.

### **3.Consideration given to habitats which are important to bats**

Click "expand" to see the questions!

#### **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

Yes

Please attach a file or provide a link

> Johnny de Jong has issued in Sweden a leaflet;. This has been translated and adapted to Norwegian conditions: Kjell Isaksen and Johnny de Jong: Flaggermus i skog (ISBN 978-82-7857-011-1)

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

Yes

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

> No available information.

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

Awareness of the importance of critical feeding areas, core areas around known colonies and commuting routes for bats exists

Yes

Give details of activities devoted to raising awareness

> Partially, whenever and where the zoological society informs and through the national government database called Naturebase (which is to be obligatorily used whenever there are plans for Development etc).

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

Naturebase - Information collated on species and habitats

Measures to take bats into account in land use and planning decisions

Yes

#### **Measures, if yes**

Describe these measures, please

> General obligation to consider both bats and other biodiversity in all land use planning, cf ia. Naturebase Access for area planning processes.

Research and monitoring to improve understanding of the use of landscape by bats are ongoing

Yes

#### **research, if yes**

Please, specify or give referencies to studies

> Ongoing by zoological society when being tasked by local authorities or by NEA to do Research in specific areas. List of publications at the web pages of the zoological society (in Norwegian).

National guidelines, drawing on the general guidance published in EUROBATS Publication have been developed

No

Other activities carried out under this resolution (optional)

> Not seen as necessary as these exists in the EUROBATS realm.

## **4. Activities to promote the awareness of the importance of conservation of bats**

Click "expand" to see the questions!

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

> Annual bat night arranged, mostly in SE Norway.

Roughly 20-50 People at each event.

The number of events are between 5-10 annually.

+ Natural history museum in Oslo host each June a similar event With 100-200 participants.

4.2. Details of other important activities which are worth to mention (educational centres, etc.)

> The national rescue centre for bats receives visitors upon appointment and have events where bats are shown and the protection of these are promoted. Info posted on the web of the zoological society, the NEA and info through the alarm telephone (operated during summer months).

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

Rescue centre - Description of rescue centre

4.3. Information on training and awareness raising for forest managers and workers, farmers, road workers, stakeholders involved in insulation of buildings, etc.

> Mostly voluntary exercise to acquire information to be able to comply With general national legislation on protection of biodiversity in relation to any activity that affects biodiversity. Cf info to the relevant government bodies and info activities by the national zoological society. Cf web pages and alarm Telephone.

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

4.4. 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 national zoological society has been appointed as Our Scientific representative to EUROBATS and is supported by the NEA in relation to activities they apply for. These could be the annual bat night, running cost of the rescue centre, national inventories, atlas mapping, monitoring of roosts/Caves, support towards Research articles etc.

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

National NGO - General description to te public on bats and activities

## 5. Additional actions undertaken to safeguard populations of bats

Click "expand" to see the questions!

### Resolution 2.2. Consistent monitoring methodologies

5.1. 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

> Used as guidance whenever relevant activities are ongoing or to be developed.

### Resolution 5.4. Monitoring bats across Europe

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

Yes

#### Involvement details

Please, give details of involvement

> Work ongoing on hibernation in mine pits and a national analysis on trend data will be a contribution from Norway (cf Bat Life Europe project).

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

[Atlas on bats](#) - National atlas project

Awareness-raising of the importance of underground sites

Yes

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

Yes

Please provide details

> Via personal contacts of the national AC representatives at Meetings and/or intersessionally and/or through different expert Meetings/seminars across Europe.

5.14. Monitoring bats in accordance with EUROBATS Publication n°5

Yes

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

Exists

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

5.17. Surveillance for the presence of fungal infections

No

### Resolution 6.13. Bats as indicators for biodiversity

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

No

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

No

5.22. Cooperation platforms that facilitate the required data exchange

Don't exist

### Resolution 7.5. Wind turbines and bat populations

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

Yes

If yes, how?

> Study just started on national SEA and bats. Available information used for EIA used by the national environment agency (NEA) and county Governors when involved according to Law requirements.

5.3. Pre-construction impact assessments, if possible, undertaken by suitably experienced bat experts

No

5.4. National guidelines were developed following Eurobats Pub. No. 6

No

National guidelines are implemented

No

5.5. Investigations and research for mitigating bat mortality have been undertaken

No

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

If yes, give details

Yes

> Part of the permit to establish turbines.

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

No

5.9. Blade feathering, higher cut-in wind speeds and shutting down turbines are used to reduce or avoid bat mortality

No

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

5.23. 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

> On general terms if the Development requires EIA and then the relevant authorities will be involved and a Public hearing can involve relevant NGOs etc.

5.24 Pre-construction strategic and environmental impacts assessment procedures are mandatory

Required occasionally

5.25. Post-construction monitoring

Required occasionally

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

No

5.27. Research into the impact of new and, where appropriate, existing roads and other infrastructure on bats and into the effectiveness of mitigation measures

No

5.28. National guidelines are developed

No

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

5.29. Animal rescue and rehabilitation systems are effective in the country

No

5.30. Collaboration between bat rehabilitators and scientists

Doesn't exist

5.31. Bat rehabilitators contribute their data to a national database

No

Comments (optional)

> The national bat rescue centre was running until spring 2018 for the last 15 years, then closed Down. A replacement is considered.

### **Resolution 7.11. Bats and building insulation**

5.32. Are there conflicts between insulation regulations and bat conservation?

No

5.34. Impacts on bats are included in the environmental assessment of insulation programs

No

Other activities carried out under Resolution 7.11 (optional)

> More based on voluntary use of bat-friendly methods as informed by the zoological society and to the sectors and Direct contact With sites of particular relevance. Not considered to be a significant problem in Norway.

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

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

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

No

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

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

No

#### **Myotis escalerae Cabrera, 1904**

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

No

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

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

No

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

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

No

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

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

No

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

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

No

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

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

No

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

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

No

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

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

No

Comments (optional)

> Neither of these species occur in Norway.

## 6. Recent and ongoing programmes (including research and policy initiatives) relating to conservation and management of bats

Click "expand" to see the questions!

### Resolution 2.3. Transboundary programme: species proposals

6.1. Inclusion of *Myotis dasycneme* and *Pipistrellus nathusii* in transboundary cooperation

No

Comments (optional)

> Only *P. nathusii* occurs in Norway.

### Resolution 2.4. Transboundary programme: habitat proposals

6.2. National research on underground sites has been undertaken since the last reporting

Yes

Please list references

> Monitoring ongoing and Conducted by Zoological Society and reported to Eurobats as a long standing and ongoing Activity related to monitoring of under ground sites.

6.3. National research on bats in forests

No

Comments (optional)

> Only regional and localised Research (not national) on the value of forests.

### Resolution 5.2. Bat rabies in Europe

6.5. National bat rabies surveillance network

No

6.6. Vaccination against rabies is compulsory

No

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

> National Health Institute.

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

[National Health Institute](#)

[National Health Institute](#)

Comments (optional)

> Recommended vaccination and subsidised for bat workers, but not obligatory.

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

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

Exists

Please give details or provide links

> The only relevant guidance is issued by the national ringing centre on related catching and ringing activities. Cf obligatory training to be licensed.

### Resolution 6.8. Monitoring of daily and seasonal movements of bats

Please select a species for which a research in daily/seasonal movements has been conducted from the list

#### **Barbastella barbastellus (Schreber, 1774)**

New data on daily movements was obtained

No



New data on seasonal movements was obtained

No

### **Eptesicus nilssonii (Keyserling & Blasius, 1839)**

New data on daily movements was obtained

No

New data on seasonal movements was obtained

No

### **Eptesicus serotinus (Schreber, 1774)**

New data on daily movements was obtained

No

New data on seasonal movements was obtained

No

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

New data on daily movements was obtained

No

New data on seasonal movements was obtained

No

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

New data on daily movements was obtained

No

New data on seasonal movements was obtained

No

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

New data on daily movements was obtained

No

New data on seasonal movements was obtained

No

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

New data on daily movements was obtained

No

New data on seasonal movements was obtained

No

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

New data on daily movements was obtained

No

New data on seasonal movements was obtained

No

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

New data on daily movements was obtained

No

New data on seasonal movements was obtained

No

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

New data on daily movements was obtained

No

New data on seasonal movements was obtained

No

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

New data on daily movements was obtained

No

New data on seasonal movements was obtained

No

### **Vespertilio murinus Linnaeus, 1758**

New data on daily movements was obtained

No

New data on seasonal movements was obtained

No

6.12. Other activities carried out under this resolution (optional)

> Migration study mainly ongoing for P. nathusii.

## **7. Consideration being given to the potential effects of pesticides on bats, and their food sources and efforts to replace timber treatment chemicals which are highly toxic to bats**

Click "expand" to see the questions!

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

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

No

7.2. Raising awareness of product users is taking place

Yes

Please provide details

> Norwegian Environment Agency handles relevant EU regulations and issue guidance/follow up on bans etc to be implemented according to EU Regulations.

7.3. Legislation on products which have any adverse effects on bats

Exists

Please attach documents or provide links

> Cf EU regulations and follow up thorough national laws on preventing pollutants.

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

[National law on pollutants etc](#)

### **Resolution 6.15. Impact on bat populations of the use of antiparasitic drugs for livestock**

7.4. Efficient non-chemical methods to control livestock parasites and use of products of least toxicity to non-target species implemented

No

7.5. Research on the use of antiparasitic drugs

No

7.6. Recommendations in Annex I to the Resolution 6.15 are adopted

Yes

## **8. Further important activities to share with other Parties and Range States**

Give details or provide links

> Norwegian Zoological Society

Individual Research activities

Activities under supervision of a university

# 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

> 24.7.2018