



## **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

>>> North Macedonia

Period covered by this report

>>> 2018-2022

Is your country a party to EUROBATS Agreement?

Yes

Competent authority

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

>>> Ministry of environment and physical planning

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Communication department: 389 2 3225 237

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Personal details of administrative focal point (s)

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Please give details of designated scientific focal points

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Compilers and contributors to this report

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### **Bats species which occur in the territory**

Please select only species which were recorded from your country

#### **Species: *Rhinolophus blasii* Peters, 1866**

#### **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

#### **Species: *Rhinolophus euryale* Blasius, 1853**

#### **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

Not studied

**Species: Rhinolophus ferrumequinum (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.

Resident: breeding

**Species: Rhinolophus hipposideros (Borkhausen, 1797)**

**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

**Species: Barbastella barbastellus (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.

Resident: breeding

**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.

Resident: breeding

**Species: Hypsugo savii (Bonaparte, 1837)**

**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

**Species: Myotis blythii (Tomes, 1857)**

**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

**Species: Myotis capaccinii (Bonaparte, 1837)**

**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

**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

**Species: Myotis emarginatus (Geoffroy, 1806)**

**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

**Species: Myotis myotis (Borkhausen, 1797)**

**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

**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

**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

**Species: Nyctalus leisleri (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

**Species: Pipistrellus kuhlii (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

**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

## **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.

Resident: breeding

## **Species: Plecotus austriacus (Fischer, 1829)**

### **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

## **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.

Resident: breeding

## **Species: Tadarida teniotis (Rafinesque, 1814)**

### **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

## **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?

No

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

Doesn't exist

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

Doesn't exist

### **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

Please, give details of the legislation which is protecting bats

>>> There is a "list of strictly and protected species" published in the official Gazette of RM 139/11, which is

listing species which are protected and strictly protected. There are no bat species which are strictly protected and 6 species are protected (*B. barbastella*, *M. schreibersii*, *M. capaccinii*, *Rh. blasii*, *R. euryale* and *R. mehelyi*).

Which species are not protected and why?

>>> The rest of the species are not protected and the reason is incompetence of the people who did the list, as all bat species are anyway protected by another international agreement signed by Macedonia.

## **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

No

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

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

Yes

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

>>> <https://tvm.mk/news/ohrid/zastita-pesteri-liljaci-np-galicica/>

Monitoring bats in accordance with EUROBATS Publication n°5

No

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

Exists

### **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

Yes

Please provide details

>>> <http://natura2000.gov.mk/en/>

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

No

Cooperation platforms that facilitate the required data exchange

Don't exist

### **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

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

Animal rescue and rehabilitation systems are effective in the country

No

Collaboration between bat rehabilitators and scientists

Doesn't exist

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

### The species occurs in the country and some studies have been done

Studies on:

	Swarming sites	Winter roosts	Summer roosts	Migration	Spatial and habitat use	Foraging behaviour	Diet
Yes	<input type="checkbox"/>						
No	<input checked="" type="checkbox"/>						

### Priority Species

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

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

No

### The species occurs in the country and some studies have been done

Studies on:

	Swarming sites	Winter roosts	Summer roosts	Migration	Spatial and habitat use	Foraging behaviour	Diet
Yes	<input type="checkbox"/>						
No	<input checked="" type="checkbox"/>						

### Priority Species

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

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

No

### The species occurs in the country and some studies have been done

Studies on:

	Swarming sites	Winter roosts	Summer roosts	Migration	Spatial and habitat use	Foraging behaviour	Diet
Yes	<input type="checkbox"/>						
No	<input checked="" type="checkbox"/>						

### Priority Species

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

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

No

### The species occurs in the country and some studies have been done

Studies on:

	Swarming sites	Winter roosts	Summer roosts	Migration	Spatial and habitat use	Foraging behaviour	Diet
Yes	<input type="checkbox"/>						
No	<input checked="" type="checkbox"/>						

### Priority Species

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

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

Yes

#### **The species occurs in the country and some studies have been done**

Studies on:

	Swarming sites	Winter roosts	Summer roosts	Migration	Spatial and habitat use	Foraging behaviour	Diet
Yes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
No	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

### Priority Species

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

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

No

#### **The species occurs in the country and some studies have been done**

Studies on:

	Swarming sites	Winter roosts	Summer roosts	Migration	Spatial and habitat use	Foraging behaviour	Diet
Yes	<input type="checkbox"/>						
No	<input checked="" type="checkbox"/>						

### Priority Species

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

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

No

#### **The species occurs in the country and some studies have been done**

Studies on:

	Swarming sites	Winter roosts	Summer roosts	Migration	Spatial and habitat use	Foraging behaviour	Diet
Yes	<input type="checkbox"/>						
No	<input checked="" type="checkbox"/>						

### Priority Species

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

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

No

#### **The species occurs in the country and some studies have been done**

Studies on:

	Swarming sites	Winter roosts	Summer roosts	Migration	Spatial and habitat use	Foraging behaviour	Diet
Yes	<input type="checkbox"/>						
No	<input checked="" type="checkbox"/>						

### Priority Species

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

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

No

#### The species occurs in the country and some studies have been done

Studies on:

	Swarming sites	Winter roosts	Summer roosts	Migration	Spatial and habitat use	Foraging behaviour	Diet
Yes	<input type="checkbox"/>						
No	<input checked="" type="checkbox"/>						

### Priority Species

#### Plecotus teneriffae Barrett-Hamilton, 1907

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

No

#### The species occurs in the country and some studies have been done

Studies on:

	Swarming sites	Winter roosts	Summer roosts	Migration	Spatial and habitat use	Foraging behaviour	Diet
Yes	<input type="checkbox"/>						
No	<input checked="" type="checkbox"/>						

## 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

>>> No

## 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

No

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

No

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

Yes

Please, attach a file or or provide a link

You have attached the following documents to this answer.

National guidelines are implemented

No

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

>>> Bohdanci Wind Power Park

● The Consultancy Services Agreement ("Consultancy services for post-construction Avian & Bat monitoring for the wind park Bogdanci"- BMZ No. 2009 66 390) was concluded on October 5, 2017 year (our number 08-5831/1 from 13.10.2017) between JSC ESM (Northern Power Stations Macedonia) and GEONATURA Ltd, Zagreb, Croatia.

According to the Agreement:

● A final report was prepared in December 2019, which was submitted to approval at KfW.

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

No

## **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

Doesn't exist

### **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

### **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

When the latest update was submitted?

>>> <http://natura2000.gov.mk/en/habitats-and-species/>

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

### **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

>>> -

### **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.

>>> no

### **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

>>> ESIA for the road Gradsko-Prilep (Raec)

Pre-construction strategic and environmental impacts assessment procedures are mandatory

Are mandatory

Post-construction monitoring

Is mandatory

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

### **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

>>> 2015, 30

2016, 20

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

>>> <https://www.ohridnews.com/vo-np-galichica-zhiveat-18-vidovi-lil-aci-koi-se-blisku-do-zagrozeni-vidovi-potrebna-e-pogolema-edukaci-a-za-nivna-zashtita/>

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

>>> brochures have been sent to Macedonian Forests, public enterprise, some of the secondary schools and to the Faculty of Forestry

#### **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

>>> BatLife Macedonia

### **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 studies!

### **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.

>>> No.

### **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

No

### **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

>>> no information

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

Give details or provide links

>>> no information

## **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

>>> 31.07.2022