

# Annex B - Bird Species' status and trends report (Article 12)

## 1. Species information

1.1 Member State	Hungary
1.2 Species code	A215
1.3 EURING code	7440
1.4 Species scientific name	Bubo bubo
1.5 Subspecific population	
1.6 Alternative species scientific name	
1.7 Common name	uhu
1.8 Season	Breeding (B)

## 2. Population size

2.1 Year or period	2015-2017
2.2 Population size	a) Unit number of pairs (p) b) Minimum 76 c) Maximum 86 d) Best single value
2.3 Type of estimate	Best estimate
2.4 Population size Method used	Complete survey or a statistically robust estimate
2.5 Sources	National park directorates' databases (Annual survey of colonially breeding and strictly protected bird species) <a href="http://map.mme.hu/maps/map2">http://map.mme.hu/maps/map2</a> Schwartz, V. (2018): Az uhu (Bubo bubo) magyarországi helyzete 2016-ban/Annual Report of the Eurasian Eagle-owl Conservation Working Group in 2016. (In Hungarian with English summary) Heliaca 14: 19-28.
2.6 Change and reason for change (since previous report)	Genuine change The change is mainly due to: Genuine change
2.7 Additional information	The figures given here are from the national park directorates' databases (Annual survey of colonially breeding and strictly protected bird species).

## 3. Population trend

### 3.1 Short-term trend (last 12 years)

3.1.1 Short-term trend Period	2007-2017
3.1.2 Short-term trend Direction	Increasing (+)
3.1.3 Short-term trend Magnitude	a) Minimum b) Maximum c) Best single value 81
3.1.4 Short-term trend Method used	Complete survey or a statistically robust estimate
3.1.5 Sources	Petrovics, Z. (2009): Uhu (Bubo bubo) állomány adatok – 2007 / Data on Breeding Populations of Eagle Owl 2007 (In Hungarian with English summary) Heliaca 5: 69-71. Petrovics, Z. (2010): Uhu (Bubo bubo) állomány adatok – 2008 / Data on Breeding Populations of Eagle Owl 2008 (In Hungarian with English summary)

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Heliaca 6: 46-47.

Petrovics, Z. (2010): Uhu állomány adatok – 2009 / Eagle Owl Population Data 2009 (In Hungarian with English summary) Heliaca 7: 76-77.

National park directorates' databases (Annual survey of colonially breeding and strictly protected bird species)

<http://map.mme.hu/maps/map2>

Schwartz, V. (2018): Az uhu (*Bubo bubo*) magyarországi helyzete 2016-ban/Annual Report of the Eurasian Eagle-owl Conservation Working Group in 2016. (In Hungarian with English summary) Heliaca 14: 19-28.

### 3.2 Long-term trend (since c. 1980)

3.2.1 Long-term trend Period

1985-2017

3.2.2 Long-term trend Direction

Increasing (+)

3.2.3 Long-term trend Magnitude

a) Minimum 406  
b) Maximum 473  
c) Best single value

3.2.4 Long-term Trend Method used

Complete survey or a statistically robust estimate

3.2.5 Sources

Márkus, F. (1998) In Haraszthy, L. (szerk.) (1998): Magyarország madarai. 441 p.

National park directorates' databases (Annual survey of colonially breeding and strictly protected bird species)

<http://map.mme.hu/maps/map2>

Schwartz, V. (2018): Az uhu (*Bubo bubo*) magyarországi helyzete 2016-ban/Annual Report of the Eurasian Eagle-owl Conservation Working Group in 2016. (In Hungarian with English summary) Heliaca 14: 19-28.

3.3 Additional information

The short-term trend was calculated by comparing the mean of the first three years (2007-2009, 44, 39 and 53) reported in Heliaca publications with the mean of the last three years (2015-2017, 76,86 and 84) in the national park directorates' databases.

The long-term trend was based on the estimate given by Márkus, F. (1998) In Haraszthy, L. (szerk.) (1998): 15 pairs in 1985-1990. This figure was compared with 76-86 pairs in the present report.

## 4. Breeding distribution map and size

4.1 Sensitive species

No

4.2 Year or period

2014-2018

4.3 Breeding distribution map

Yes

4.4 Breeding distribution surface area

8042

4.5 Breeding distribution Method used

Complete survey or a statistically robust estimate

4.6 Additional maps

No

4.7 Sources

National park directorates' databases (Annual survey of colonially breeding and strictly protected bird species)

<http://map.mme.hu/maps/map2>

4.8 Additional information

## 5. Breeding range trend

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### 5.1 Short-term trend (last 12 years)

5.1.1 Short-term trend Period	2007-2018
5.1.2 Short-term trend Direction	Increasing (+)
5.1.3 Short-term trend Magnitude	a) Minimum b) Maximum c) Best single value 31
5.1.4 Short-term trend Method used	Complete survey or a statistically robust estimate
5.1.5 Sources	Petrovics, Z. (2009): Uhu (Bubo bubo) állomány adatok – 2007 / Data on Breeding Populations of Eagle Owl 2007 (In Hungarian with English summary) Heliaca 5: 69-71. Petrovics, Z. (2010): Uhu (Bubo bubo) állomány adatok – 2008 / Data on Breeding Populations of Eagle Owl 2008 (In Hungarian with English summary) Heliaca 6: 46-47. Petrovics, Z. (2010): Uhu állomány adatok – 2009 / Eagle Owl Population Data 2009 (In Hungarian with English summary) Heliaca 7: 76-77. National park directorates' databases (Annual survey of colonially breeding and strictly protected bird species) <a href="http://map.mme.hu/maps/map2">http://map.mme.hu/maps/map2</a> Schwartz, V. (2018): Az uhu (Bubo bubo) magyarországi helyzete 2016-ban/Annual Report of the Eurasian Eagle-owl Conservation Working Group in 2016. (In Hungarian with English summary) Heliaca 14: 19-28.

### 5.2 Long-term trend (since c. 1980)

5.2.1 Long-term trend Period	1985-2018
5.2.2 Long-term trend Direction	Increasing (+)
5.2.3 Long-term trend Magnitude	a) Minimum b) Maximum c) Best single value
5.2.4 Long-term trend Method used	Based mainly on extrapolation from a limited amount of data
5.2.5 Sources	Márkus, F. (1998) In Haraszthy, L. (szerk.) (1998): Magyarország madarai. 441 p. National park directorates' databases (Annual survey of colonially breeding and strictly protected bird species) <a href="http://map.mme.hu/maps/map2">http://map.mme.hu/maps/map2</a> Schwartz, V. (2018): Az uhu (Bubo bubo) magyarországi helyzete 2016-ban/Annual Report of the Eurasian Eagle-owl Conservation Working Group in 2016. (In Hungarian with English summary) Heliaca 14: 19-28.
5.3 Additional information	The 15 pairs reported by Márkus, F. (1998) were assumed to represent 15 locations (grids) and the figure based on this was compared with the breeding range in the present report.

## 6. Progress in work related to international Species Action Plans (SAPs), Management Plans (MPs) and Brief Management Statements (BMSs)

6.0 Is/Will the information related to international SAPs, MPs and BMSs (section 6) be provided for the other season for this species?	No
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6.1 Type of international plan	No plan (NA)
6.2 Has a national plan linked to the international SAP/MP/BMS been adopted?	No
6.3 If 'NO', describe any measures and initiatives taken related to the international SAP/MP/BMS	
6.4 Assessment of the effectiveness of SAPs for globally threatened species (Art. 12, Species Action Plans)	()
6.5 Assessment of the effectiveness of MPs for huntable species in non-Secure status (Articles 3 and 7, Management Plans)	()
6.6 Sources of further Information	

### 7. Main pressures and threats

a) Pressure	b) Ranking	c) location
Use of plant protection chemicals in agriculture (A21)	M	inside the Member State (inMS)
Transmission of electricity and communications (cables) (D06)	H	inside the Member State (inMS)
Roads, paths, railroads and related infrastructure (e.g. bridges, viaducts, tunnels) (E01)	M	inside the Member State (inMS)

a) Threat	d) Ranking	e) location
Use of plant protection chemicals in agriculture (A21)	M	inside the Member State (inMS)
Transmission of electricity and communications (cables) (D06)	H	inside the Member State (inMS)
Roads, paths, railroads and related infrastructure (e.g. bridges, viaducts, tunnels) (E01)	M	inside the Member State (inMS)

#### 7.2 Sources of information

Haraszthy L. (szerk.) (2014): Natura 2000 fajok és élőhelyek Magyarországon. Pro Vértés Közalapítvány, Csákvár. p. 624-626.

#### 7.3 Additional information

### 8. Main Conservation Measures

8.1 Status of measures	Measures identified and taken
8.2 Main purpose of the measures taken	Increase the population size and/or improve population dynamics (improve reproduction success, reduce mortality, improve age/sex structure)
8.3 Location of the measures	Both inside and outside Natura 2000

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8.4 Response to the measures Short-term results (within the current reporting period, 2013-2018)

### 8.5 List of main conservation measures

CC06 - Reduce impact of service corridors and networks

CS03 - Improvement of habitat of species from the directives

### 8.6 Additional information

Haraszthy L. (szerk.) (2014): Natura 2000 fajok és élőhelyek Magyarországon. Pro Vértés Közalapítvány, Csákvár. p. 624-626.

## 9. Natura 2000 (SPAs) coverage

### 9.1 Population size inside the Natura 2000 (SPA) network

a) Unit	number of pairs (p)
b) Minimum	31
c) Maximum	59
d) Best single value	

### 9.2 Type of estimate

Best estimate

### 9.3 Population size inside the network Method used

Based mainly on extrapolation from a limited amount of data

### 9.4 Short-term trend of population size within the network Direction

Increasing (+)

### 9.5 Short-term trend of population size within the network Method used

Based mainly on extrapolation from a limited amount of data

### 9.6 Additional information

Based on the number of 2.5x2.5 km<sup>2</sup> grids (139) with likely or certain breeding of the species and on the subset of these overlapping more than 50% with SPAs (57), more than 30% with SPAs (61) or any degree with SPAs (96), assuming an even density within occupied grids.

# A madárvédelmi irányelv 12. cikke alapján készített országjelentés 2019.

**Uhu** (*Bubo bubo*)  
jelölő faj (I. melléklet)

