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

## 1. Species information

| | |
|---|---|
| 1.1 Member State | Hungary |
| 1.2 Species code | A207 |
| 1.3 EURING code | 6680 |
| 1.4 Species scientific name | Columba oenas |
| 1.5 Subspecific population | |
| 1.6 Alternative species scientific name | |
| 1.7 Common name | kék galamb |
| 1.8 Season | Breeding (B) |

## 2. Population size

| | | |
|---|---|---|
| 2.1 Year or period | 2014-2018 | |
| 2.2 Population size | a) Unit | number of pairs (p) |
| | b) Minimum | 10000 |
| | c) Maximum | 14000 |
| | d) Best single value | |
| 2.3 Type of estimate | Best estimate | |
| 2.4 Population size Method used | Based mainly on extrapolation from a limited amount of data | |
| 2.5 Sources | KEHOP-4.3.0-15-2016-00001 project results, unpublished. National park directorates' databases http://map.mme.hu/maps/map2 | |
| 2.6 Change and reason for change (since previous report) | Improved knowledge/more accurate data Use of different method | |
| | The change is mainly due to: Improved knowledge/more accurate data | |
| 2.7 Additional information | New method: Under the KEHOP-4.3.0-15-2016-00001 project in 2017-2018, 530 2.5x2.5 km2 grids were surveyed for a given set of breeding bird species, covering 3.6% of the country. 430 breeding pairs of Columba oenas were estimated for the 530 grids. As the habitat distribution in the 530 grids is considered to be representative of the country, 11944 pairs can be calculated for the national population. | |

## 3. Population trend

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

| | | |
|---|---|---|
| 3.1.1 Short-term trend Period | 2007-2018 | |
| 3.1.2 Short-term trend Direction | Stable (0) | |
| 3.1.3 Short-term trend Magnitude | a) Minimum | |
| | b) Maximum | |
| | c) Best single value | |
| 3.1.4 Short-term trend Method used | Based mainly on expert opinion with very limited data | |
| 3.1.5 Sources | http://www.termeszetvedelem.hu/_user/browser/File/Natura2000/BD_12_jelentes_2013_anyagai/Columba_oenas.pdf National park directorates' databases http://map.mme.hu/maps/map2 | |

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

National common bird monitoring scheme (MMM) database.

| **3.2 Long-term trend (since c. 1980)** | |
|---|---|
| 3.2.1 Long-tern trend Period | 1980-2018 |
| 3.2.2 Long-term trend Direction | Increasing (+) |
| 3.2.3 Long-term trend Magnitude | a) Minimum 116 |
| | b) Maximum 360 |
| | c) Best single value |
| 3.2.4 Long-term Trend Method used | Based mainly on expert opinion with very limited data |
| 3.2.5 Sources | Haraszthy L. (szerk.) (1984): Magyarország fészkelő madarai. Natura, Budapest. 102-103 p. |
| | Magyar G., Hadarics T., Waliczky Z., Schmidt A., Nagy T. & Bankovics A. (1998): Magyarország madarainak névjegyzéke. Madártani Intézet, Budapest, 83 p. |
| | Ecsedi Z. (szerk.) (2004): A Hortobágy madárvilága. Hortobágy Természetvédelmi Egyesület, Winter Fair, Balmazújváros - Szeged. 2004. 364-365 p. |
| | MME Nomenclator Bizottság (2008): Magyarország madarainak névjegyzéke. Nomenclator avium Hungariae. Magyar Madártani és Természetvédelmi Egyesület, Budapest. 142 p. |
| | KEHOP-4.3.0-15-2016-00001 project results, unpublished. |
| | National park directorates' databases http://map.mme.hu/maps/map2 |
| | National common bird monitoring scheme (MMM) database |
| 3.3 Additional information | The national common bird monitoring scheme (MMM) has been running since 1999. There is no population trend data from before, but the population of this species was steadily increasing in the 1980s and 1990s (MME Nomenclator Bizottság (2008)). If it is assumed that the population trend was the same in the first half of the period (1980-1998) as in the second half (1999-2018), then the trend can be calculated with the estimated mean annual change (4.1%) for 1999-2018, resulting in a 360% increase in the entire period (1980-2018). This was used as the maximum value here, while the rate of increase during the short-term period was projected for the long-term to provide the minimum value. |

## 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 | 30144 |
| 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 http://map.mme.hu/maps/map2 |
| 4.8 Additional information | |

## 5. Breeding range trend

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

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

| | |
|---|---|
| 5.1.1 Short-term trend Period | 2007-2018 |
| 5.1.2 Short-term trend Direction | Stable (0) |
| 5.1.3 Short-term trend Magnitude | a) Minimum |
| | b) Maximum |
| | c) Best single value |
| 5.1.4 Short-term trend Method used | Based mainly on expert opinion with very limited data |
| 5.1.5 Sources | http://www.termeszetvedelem.hu/_user/browser/File/Natura2000/BD_12_jelentes_2013_anyagai/Columba_oenas.pdf |
| | National park directorates' databases |
| | http://map.mme.hu/maps/map2 |

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

| | |
|---|---|
| 5.2.1 Long-term trend Period | 1980-2018 |
| 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 expert opinion with very limited data |
| 5.2.5 Sources | Haraszthy L. (szerk.) (1984): Magyarország fészkelő madarai. Natura, Budapest. 102-103 p. |
| | Haraszthy, L. (szerk.) (1998): Magyarország madarai. Mezőgazda Kiadó, Budapest. 204-205 p. |
| | National park directorates' databases |
| | http://map.mme.hu/maps/map2 |
| 5.3 Additional information | The long-term trend is based on the map published in Haraszthy (1984), but it is not possible to tell how much of the increase is genuine and how much is due to improved knowledge. |

## 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 |
| 6.1 Type of international plan | No plan (NA) |
| 6.2 Has a national plan linked to the intarnational 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 effectivess of SAPs for globally threatened species (Art. 12, Species Action Plans) | () |

6.5 Assessment of the effectivess 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 |
|---|---|---|
| Replanting with or introducing non-native or non-typical species (including new species and GMOs) (B03) | M | both inside and outside EU (inOutEU) |
| Logging without replanting or natural regrowth (B05) | M | both inside and outside EU (inOutEU) |
| Logging (excluding clear cutting) of individual trees (B06) | M | both inside and outside EU (inOutEU) |
| Removal of dead and dying trees, including debris (B07) | M | both inside and outside EU (inOutEU) |
| Removal of old trees (excluding dead or dying trees) (B08) | M | both inside and outside EU (inOutEU) |
| Forest management reducing old growth forests (B15) | M | both inside and outside EU (inOutEU) |

| a) Threat | d) Ranking | e) location |
|---|---|---|
| Replanting with or introducing non-native or non-typical species (including new species and GMOs) (B03) | M | both inside and outside EU (inOutEU) |
| Logging without replanting or natural regrowth (B05) | M | both inside and outside EU (inOutEU) |
| Logging (excluding clear cutting) of individual trees (B06) | M | both inside and outside EU (inOutEU) |
| Removal of dead and dying trees, including debris (B07) | M | both inside and outside EU (inOutEU) |
| Removal of old trees (excluding dead or dying trees) (B08) | M | both inside and outside EU (inOutEU) |
| Forest management reducing old growth forests (B15) | M | both inside and outside EU (inOutEU) |

**7.2 Sources of information**

Haraszthy L. (szerk.) (1984): Magyarország fészkelő madarai. Natura, Budapest. 102-103 p.
Haraszthy, L. (szerk.) (1998): Magyarország madarai. Mezőgazda Kiadó Budapest. 204-205 p.
National park directorates' databases

**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** | Restore the habitat of the species |
| **8.3 Location of the measures** | Both inside and outside Natura 2000 |
| **8.4 Response to the measures** | Medium-term results (within the next two reporting periods, 2019-2030) |

**8.5 List of main conservation measures**

CB04 - Adapt/manage reforestation and forest regeneration

CB05 - Adapt/change forest management and exploitation practices

CB06 - Stop forest management and exploitation practices

**8.6 Additional information**

## 9. Natura 2000 (SPAs) coverage

| **9.1 Population size inside the Natura 2000 (SPA) network** | **a) Unit** | number of pairs (p) |
| | **b) Minimum** | 5000 |
| | **c) Maximum** | 7000 |
| | **d) Best single value** | |

| **9.2 Type of estimate** | Best estimate |
| **9.3 Population size inside the network Method used** | Based mainly on expert opinion with very limited data |
| **9.4 Short-term trend of population size within the network Direction** | Stable (0) |
| **9.5 Short-term trend of population size within the network Method used** | Based mainly on expert opinion with very limited data |
| **9.6 Additional information** | The national park directorates reported stable populations within SPAs. |

## 10. Information related to Annex II species (Art.7)

| **10.0 Is/Will the information related to Annex II species (section 10) be provided forthe other season for this species?** | No |
| **10.1 Is the species nationally hunted?** | No |

| **10.2 Hunting bag** | **a) Unit** | number of individuals (i) | | | | | |
| | **b) Statistics/ quantity taken** | *Provide statistics per hunting season or per year ( where season is not used) over the reporting period.* | | | | | |
| | | *Season/ Year 1* | *Season/ Year 2* | *Season/ Year 3* | *Season/ Year 4* | *Season/ Year 5* | *Season/ Year 6* |
| | **Min.** *(raw, i.e. not rounded* | | | | | | |
| | **Max.** *(raw, i.e. not rounded* | | | | | | |
| | **Unknown** | No | No | No | No | No | No |

**10.3 Hunting bagMethod used**

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

**10.4 Additional information**

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

**Kék galamb** *(Columba oenas)*

jelölő faj (egyéb)



**Jelmagyarárat**

Előfordulás (Distribution)

0    25    50 Kilométer