

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

1. Species information

1.1 Member State	Hungary
1.2 Species code	A391
1.3 EURING code	722
1.4 Species scientific name	Phalacrocorax carbo sinensis
1.5 Subspecific population	
1.6 Alternative species scientific name	
1.7 Common name	kárókatona
1.8 Season	Breeding (B)

2. Population size

2.1 Year or period	2013-2017
2.2 Population size	a) Unit number of pairs (p) b) Minimum 2390 c) Maximum 2721 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' database on complete, national surveys covering all known colonies, carried out annually in the years 2012-2017 (Annual survey of colonially breeding and strictly protected bird species).
2.6 Change and reason for change (since previous report)	Improved knowledge/more accurate data The change is mainly due to: Improved knowledge/more accurate data
2.7 Additional information	

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	Complete survey or a statistically robust estimate
3.1.5 Sources	National Park Directorates' database on complete, national surveys covering all known colonies, carried out annually in the years 2012-2017. However, the trend is only estimated for previous years back to 2007. It is assumed that the trend was in those years about the same as since 2012, i.e. stable (with slight fluctuations from year to year).

3.2 Long-term trend (since c. 1980)

3.2.1 Long-term trend Period	1980-2018
3.2.2 Long-term trend Direction	Fluctuating (F)

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3.2.3 Long-term trend Magnitude	a) Minimum b) Maximum c) Best single value
3.2.4 Long-term Trend Method used	Based mainly on extrapolation from a limited amount of data
3.2.5 Sources	Oláh J., Oláh J., Ecsedi Z. (2003): A kárókatona (<i>Phalacrocorax carbo</i>) halastavi kártétele és kárértékbecslése. Fishpond damages done by the Cormorant and the estimation of the value of the damage. Magyar Vízivad Közlemények 10., p.337-379. National Park Directorates' database Faragó, S. (2002): Vadászati állattan. Mezőgazda Kiadó, p. 496.
3.3 Additional information	

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	3235
4.5 Breeding distribution Method used	Complete survey or a statistically robust estimate
4.6 Additional maps	No
4.7 Sources	National Park Directorates' database. http://map.mme.hu/maps/map2
4.8 Additional information	

5. Breeding range trend

5.1 Short-term trend (last 12 years)

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	Complete survey or a statistically robust estimate
5.1.5 Sources	http://map.mme.hu/maps/map2 National Park Directorates' database.

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 70 b) Maximum 90 c) Best single value 90
5.2.4 Long-term trend Method used	Based mainly on expert opinion with very limited data
5.2.5 Sources	http://map.mme.hu/maps/map2 Haraszthy L. (szerk.) (1984): Magyarország fészkelő madarai. Natura, Budapest.

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- Haraszthy, L. (szerk.) (1998): Magyarország madarai. Mezőgazda Kiadó, Budapest.
- Magyar G., Hadarics T., Waliczky Z., Schmidt A., Nagy T. & Bankovics A. (1998): Magyarország madarainak névjegyzéke. Madártani Intézet, Budapest, 110 p.
- BirdLife International (2004) Birds in Europe: population estimates, trends and conservation status. Cambridge, UK: BirdLife International. (BirdLife Conservation Series No.12.), 223 p.
- MME Nomenclator Bizottság (2008): Magyarország madarainak névjegyzéke. Nomenclator avium Hungariae. Magyar Madártani és Természetvédelmi Egyesület, Budapest. 189-190 p.
- Oláh J., Oláh J., Ecsedi Z. (2003): A kárókatona (*Phalacrocorax carbo*) halastavi kártétele és kárértékbecslése. Fishpond damages done by the Cormorant and the estimation of the value of the damage. Magyar Vízivad Közlemények 10., p.337-379.
- National Park Directorates' database
- Csörgő T. et al (2009): Magyar madárvonulási atlasz. Kossuth Kiadó, Budapest, 672 p.

5.3 Additional information

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 international SAP/MP/BMS been adopted?

No

6.3 If 'NO', describe any measures and initiatives taken related to the international SAP/MP/BMS

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6.4 Assessment of the effectiveness of SAPs for globally threatened species (Art. 12, Species Action Plans)

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6.5 Assessment of the effectiveness of MPs for huntable species in non-Secure status (Articles 3 and 7, Management Plans)

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6.6 Sources of further Information

7. Main pressures and threats

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7.2 Sources of information

7.3 Additional information

8. Main Conservation Measures

8.1 Status of measures

8.2 Main purpose of the measures taken

8.3 Location of the measures

8.4 Response to the measures

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

c) Maximum

d) Best single value

9.2 Type of estimate

9.3 Population size inside the network
Method used

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

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

9.6 Additional information

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A madárvédelmi irányelv 12. cikke alapján készített országjelentés 2019.

Kárókatona (*Phalacrocorax carbo*)
nem jelölő faj

