

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

1. Species information

1.1 Member State	Hungary
1.2 Species code	A129
1.3 EURING code	4460
1.4 Species scientific name	Otis tarda
1.5 Subspecific population	
1.6 Alternative species scientific name	
1.7 Common name	túzok
1.8 Season	Breeding (B)

2. Population size

2.1 Year or period	2013-2018
2.2 Population size	a) Unit number of individuals (i) b) Minimum 1480 c) Maximum 1680 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	LIFE15/NAT/AT/000834 https://www.cms.int/great-bustard/sites/default/files/document/cms_gbustard_mos4_inf.6.7_national_report_Hungary_e.pdf National park directorates' databases
2.6 Change and reason for change (since previous report)	Genuine change The change is mainly due to: Genuine change
2.7 Additional information	1680 were counted in 2016 and 1480 in 2018. These numbers are within the normal range of counts (and do not reflect a decline, but rather the varying detectability of the species). The national population shows a moderate increase.

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	Increasing (+)
3.1.3 Short-term trend Magnitude	a) Minimum b) Maximum c) Best single value 11
3.1.4 Short-term trend Method used	Complete survey or a statistically robust estimate
3.1.5 Sources	LIFE15/NAT/AT/000834 https://www.cms.int/great-bustard/sites/default/files/document/cms_gbustard_mos4_inf.6.7_national_report_Hungary_e.pdf

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

National park directorates' database

3.2 Long-term trend (since c. 1980)

3.2.1 Long-term trend Period	1980-2018
3.2.2 Long-term trend Direction	Decreasing (-)
3.2.3 Long-term trend Magnitude	a) Minimum b) Maximum c) Best single value 57
3.2.4 Long-term Trend Method used	Based mainly on extrapolation from a limited amount of data
3.2.5 Sources	LIFE15/NAT/AT/000834 https://www.cms.int/great-bustard/sites/default/files/document/cms_gbustard_mos4_inf.6.7_national_report_Hungary_e.pdf National park directorates' database
3.3 Additional information	1330 were counted in 2007, this was compared to 1480 in 2018. 3440 was the national estimate in 1980 (and 880 was the national count in 1991, representing the minimum during the period).

4. Breeding distribution map and size

4.1 Sensitive species	No
4.2 Year or period	2013-2018
4.3 Breeding distribution map	Yes
4.4 Breeding distribution surface area	7893
4.5 Breeding distribution Method used	Complete survey or a statistically robust estimate
4.6 Additional maps	No
4.7 Sources	LIFE15/NAT/AT/000834 https://www.cms.int/great-bustard/sites/default/files/document/cms_gbustard_mos4_inf.6.7_national_report_Hungary_e.pdf National park directorates' database
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	LIFE15/NAT/AT/000834 https://www.cms.int/great-bustard/sites/default/files/document/cms_gbustard_mos4_inf.6.7_national_report_Hungary_e.pdf National park directorates' database

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

5.2 Long-term trend (since c. 1980)

5.2.1 Long-term trend Period	1980-2018
5.2.2 Long-term trend Direction	Decreasing (-)
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	FARAGÓ, S. (1992): A túzok (<i>Otis tarda</i> L.) -állomány fenntartásának ökológiai alapjai Magyarországon. Sopron: Erdészeti és Faipari Egyetem, Vadgazdálkodási Tanszék. (Kandidátusi értekezés) LIFE15/NAT/AT/000834 https://www.cms.int/great-bustard/sites/default/files/document/cms_gbustard_mos4_inf.6.7_national_report_Hungary_e.pdf National park directorates' database

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	Species Action Plan (SAP)
6.2 Has a national plan linked to the international SAP/MP/BMS been adopted?	Yes
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)	moving towards the plan's aim/objective(s) (towards)
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	LIFE15/NAT/AT/000834 https://www.cms.int/great-bustard/sites/default/files/document/cms_gbustard_mos4_inf.6.7_national_report_Hungary_e.pdf

7. Main pressures and threats

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

a) Pressure	b) Ranking	c) location
Irrigation of agricultural land (A18)	M	inside the Member State (inMS)
Mowing or cutting of grasslands (A08)	H	inside the Member State (inMS)
Intensive grazing or overgrazing by livestock (A09)	M	inside the Member State (inMS)
Harvesting of crops and cutting of croplands (A17)	H	inside the Member State (inMS)
Use of plant protection chemicals in agriculture (A21)	H	inside the Member State (inMS)
Agricultural crops for renewable energy production (A35)	M	inside the Member State (inMS)
Transmission of electricity and communications (cables) (D06)	M	inside the Member State (inMS)
Problematic native species (I04)	H	inside the Member State (inMS)
Interspecific relations (competition, predation, parasitism, pathogens) (L06)	M	inside the Member State (inMS)
Increases or changes in precipitation due to climate change (N03)	M	inside the Member State (inMS)
a) Threat	d) Ranking	e) location
Irrigation of agricultural land (A18)	M	inside the Member State (inMS)
Mowing or cutting of grasslands (A08)	H	inside the Member State (inMS)
Intensive grazing or overgrazing by livestock (A09)	M	inside the Member State (inMS)
Harvesting of crops and cutting of croplands (A17)	H	inside the Member State (inMS)
Use of plant protection chemicals in agriculture (A21)	H	inside the Member State (inMS)
Agricultural crops for renewable energy production (A35)	M	inside the Member State (inMS)
Transmission of electricity and communications (cables) (D06)	H	inside the Member State (inMS)
Problematic native species (I04)	H	inside the Member State (inMS)
Interspecific relations (competition, predation, parasitism, pathogens) (L06)	M	inside the Member State (inMS)
Increases or changes in precipitation due to climate change (N03)	M	inside the Member State (inMS)

7.2 Sources of information

LIFE15/NAT/AT/000834
https://www.cms.int/great-bustard/sites/default/files/document/cms_gbustard_mos4_inf.6.7_national_report_Hungary_e.pdf
 National park directorates' database

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)

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

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

CA01 - Prevent conversion of natural and semi-natural habitats, and habitats of species into agricultural land

CA03 - Maintain existing extensive agricultural practices and agricultural landscape features

CA05 - Adapt mowing, grazing and other equivalent agricultural activities

CB01 - Prevent conversion of (semi-) natural habitats into forests and of (semi-)natural forests into intensive forest plantation

CC06 - Reduce impact of service corridors and networks

CI03 - Management, control or eradication of other invasive alien species

CI05 - Management of problematic native species

CL04 - Other measures related to natural processes

8.6 Additional information

9. Natura 2000 (SPAs) coverage

9.1 Population size inside the Natura 2000 (SPA) network	a) Unit	number of individuals (i)
	b) Minimum	1330
	c) Maximum	1530
	d) Best single value	
9.2 Type of estimate		Best estimate
9.3 Population size inside the network Method used		Complete survey or a statistically robust estimate
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		Complete survey or a statistically robust estimate
9.6 Additional information		

A madárvédelmi irányelv 12. cikke alapján készített országjelentés 2019.

Túzok (*Otis tarda*)
jelölő faj (I. melléklet)

