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

1. Species information

1.1 Member State	Hungary
1.2 Species code	A070
1.3 EURING code	2230
1.4 Species scientific name	Mergus merganser
1.5 Subspecific population	
1.6 Alternative species scientific name	
1.7 Common name	nagy bukó
1.8 Season	Winter (W)

2. Population size

2.1 Year or period	2015-2018	
2.2 Population size	a) Unit	number of individuals (i)
	b) Minimum	1200
	c) Maximum	1500
	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	Expert opinions Faragó S. (2017): Magyar Vízivad Közlemények No. 29. Soproni Egyetem Kiadó, 304 p. Hungarian Waterfowl Monitoring database	
2.6 Change and reason for change (since previous report)	No change The change is mainly due to:	
2.7 Additional information	Hungarian Waterfowl Monitoring database 2015-2018: 500-1000. I considered only the January data. Considering that many parts of Danube river where the species wintered are not covered by this program, I corrected the value upwards. I have also compared to wintering smews, therefore I raised the values independently from the previous results.	

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	260
	b) Maximum	619
	c) Best single value	
3.1.4 Short-term trend Method used	Complete survey or a statistically robust estimate	
3.1.5 Sources	Expert opinions Faragó S. (2017): Magyar Vízivad Közlemények No. 29. Soproni Egyetem Kiadó, 304 p. Hungarian Waterfowl Monitoring database	

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

3.2 Long-term trend (since c. 1980)

3.2.1 Long-tern trend Period	1996-2018
3.2.2 Long-term trend Direction	Increasing (+)
3.2.3 Long-term trend Magnitude	a) Minimum 279
	b) Maximum 658
	c) Best single value
3.2.4 Long-term Trend Method used	Complete survey or a statistically robust estimate
3.2.5 Sources	Expert opinions
	Faragó S. (2006): A vonuló vízivad populációk fenntartásának alapjai Magyarországon. Doktori Értekezés. Mellékletek, 305 p.
	Faragó S. (2017): Magyar Vízivad Közlemények No. 29. Soproni Egyetemi Kiadó, 304 p.
	Hungarian Waterfowl Monitoring database
	National Park Directorates' databases
3.3 Additional information	Short-term trend is based on Hungarian Waterfowl Monitoring database 2007-2018. I considered only the January data. Hungarian Waterfowl Monitoring database 2015-2018: 500-1000. Between 2007 and 2018 there is a continuous and slight increase. The baseline was 2007, when 139 common merganser wintered in the country. This value (139) was the baseline, to what the current Hungarian Waterfowl Monitoring database values (500-1000) were compared to.
	Long-term trend is increasing. According to Faragó's study (2016) the baseline was 1996 (132), to what the current Hungarian Waterfowl Monitoring database values (500-1000) were compared to.

4. Breeding distribution map and size

4.1 Sensitive species	No
4.2 Year or period	
4.3 Breeding distribution map	No
4.4 Breeding distribution surface area	
4.5 Breeding distribution Method used	
4.6 Additional maps	No
4.7 Sources	
4.8 Additional information	

5. Breeding range trend

5.1 Short-term trend (last 12 years)

5.1.1 Short-term trend Period	
5.1.2 Short-term trend Direction	
5.1.3 Short-term trend Magnitude	a) Minimum
	b) Maximum
	c) Best single value
5.1.4 Short-term trend Method used	
5.1.5 Sources	

5.2 Long-term trend (since c. 1980)

5.2.1 Long-term trend Period
5.2.2 Long-term trend Direction
5.2.3 Long-term trend Magnitude   a) Minimum

       b) Maximum

       c) Best single value

5.2.4 Long-term trend Method used
5.2.5 Sources
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 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
Hunting (G07)	M	inside the Member State (inMS)
Physical alteration of water bodies (K05)	M	inside the Member State (inMS)
Droughts and decreases in precipitation due to climate change (N02)	H	inside the Member State (inMS)

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

a) Threat	d) Ranking	e) location
Hunting (G07)	M	inside the Member State (inMS)
Physical alteration of water bodies (K05)	M	inside the Member State (inMS)
Droughts and decreases in precipitation due to climate change (N02)	H	inside the Member State (inMS)

7.2 Sources of information

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	Maintain the current distribution, population and/or habitat for 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

CG02 - Management of hunting, recreational fishing and recreational or commercial harvesting or collection of plants

CJ02 - Reduce impact of multi-purpose hydrological changes

CN01 - Adopt climate change mitigation measures

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	
	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

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

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

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
10.4 Additional information