

Report on the main results of the surveillance under Article 11 for Annex II, IV and V species (Annex B)

NATIONAL LEVEL

1. General information

1.1 Member State	HU
1.2 Species code	4104
1.3 Species scientific name	Himantoglossum adriaticum
1.4 Alternative species scientific name	
1.5 Common name (in national language)	adriai sallangvirág

2. Maps

2.1 Sensitive species	No
2.2 Year or period	2013-2018
2.3 Distribution map	Yes
2.4 Distribution map Method used	Complete survey or a statistically robust estimate
2.5 Additional maps	No

3. Information related to Annex V Species (Art. 14)

3.1 Is the species taken in the wild/exploited?	No	
3.2 Which of the measures in Art. 14 have been taken?	a) regulations regarding access to property	No
	b) temporary or local prohibition of the taking of specimens in the wild and exploitation	No
	c) regulation of the periods and/or methods of taking specimens	No
	d) application of hunting and fishing rules which take account of the conservation of such populations	No
	e) establishment of a system of licences for taking specimens or of quotas	No
	f) regulation of the purchase, sale, offering for sale, keeping for sale or transport for sale of specimens	No
	g) breeding in captivity of animal species as well as artificial propagation of plant species	No
	h) other measures	No

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3.3 Hunting bag or quantity taken in the wild for Mammals and Acipenseridae (Fish)

a) Unit

b) Statistics/ quantity taken	Provide statistics/quantity 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, ie. not rounded)						
Max. (raw, ie. not rounded)						
Unknown	No	No	No	No	No	No

3.4. Hunting bag or quantity taken in the wild Method used

3.5. Additional information

BIOGEOGRAPHICAL LEVEL

4. Biogeographical and marine regions

4.1 Biogeographical or marine region where the species occurs

Pannonian (PAN)

4.2 Sources of information

Bódis Judit (2017): Az adriai sallangvirág (*Himantoglossum adriaticum*) magyarországi állományai és lelőhelyeik tájhasználatának története. *Kitaibelia* 22 (1): 84–94.; 2017

Óvári Miklós (2017): A *Himantoglossum adriaticum* Baumann új előfordulásai a Kelet-Zalai-dombságban. *Kitaibelia* 22 (2): 297–303.; 2017

Nagyobb léptékű kutatás, de érintette az adriai sallangvirág sümegi állományát: Fekete R., Nagy T., Bódis J., Biró É., Löki V., Süveges K., Takács A., Tökölyi J., Molnár V. A (2017): Roadside verges as habitats for endangered lizard-orchids (*Himantoglossum* spp.): Ecological traps or refuges? *Science of the Total Environment*. 607–608: 1001–1008.
<http://dx.doi.org/10.1016/j.scitotenv.2017.07.037>

Biró É., Bódis J., Nagy T., Tökölyi J., Molnár V. A. (2015): Honeybee (*Apis mellifera*) mediated increased reproductive success of a rare deceptive orchid. – *Applied Ecology and Environmental Research* 13: 181-192. DOI: 10.15666/aeer/1301_181192 http://www.aloki.hu/pdf/1301_181192.pdf

Bódis J., Biró É., Nagy T., Takács A., Molnár V. A. & Lukács B. A. (2018): Habitat preferences of the rare lizard-orchid *Himantoglossum adriaticum* H. Baumann. *Tuexenia* 38: 329-345.

Bódis J. – Biró É. – Molnár V. A. (2014): Adriai sallangvirág (*Himantoglossum adriaticum*) (Baumann 1978) In: Haraszty L. (szerk.): *Natura 2000 fajok és*

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élőhelyek Magyarországon, Pro Vértes Közalapítvány, Csákvár, pp. 124–126.

Monitoring reports (2013-2018) of Hungarian Biodiversity Monitoring System

5. Range

5.1 Surface area	1241
5.2 Short-term trend Period	2007-2018
5.3 Short-term trend Direction	Stable (0)
5.4 Short-term trend Magnitude	a) Minimum b) Maximum
5.5 Short-term trend Method used	Complete survey or a statistically robust estimate
5.6 Long-term trend Period	
5.7 Long-term trend Direction	
5.8 Long-term trend Magnitude	a) Minimum b) Maximum
5.9 Long-term trend Method used	
5.10 Favourable reference range	a) Area (km ²) b) Operator Approximately equal to (≈) c) Unknown d) Method
5.11 Change and reason for change in surface area of range	Improved knowledge/more accurate data The change is mainly due to: Improved knowledge/more accurate data
5.12 Additional information	

6. Population

6.1 Year or period	2013-2018
6.2 Population size (in reporting unit)	a) Unit number of individuals (i) b) Minimum 2100 c) Maximum 4700 d) Best single value
6.3 Type of estimate	Best estimate
6.4 Additional population size (using population unit other than reporting unit)	a) Unit b) Minimum c) Maximum d) Best single value
6.5 Type of estimate	
6.6 Population size Method used	Complete survey or a statistically robust estimate
6.7 Short-term trend Period	2007-2018
6.8 Short-term trend Direction	Increasing (+)

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6.9 Short-term trend Magnitude	a) Minimum b) Maximum c) Confidence interval	
6.10 Short-term trend Method used	Complete survey or a statistically robust estimate	
6.11 Long-term trend Period		
6.12 Long-term trend Direction		
6.13 Long-term trend Magnitude	a) Minimum b) Maximum c) Confidence interval	
6.14 Long-term trend Method used		
6.15 Favourable reference population (using the unit in 6.2 or 6.4)	a) Population size b) Operator c) Unknown d) Method	Approximately equal to (≈)
6.16 Change and reason for change in population size	Genuine Improved knowledge/more accurate data The change is mainly due to:	Improved knowledge/more accurate data
6.17 Additional information		

7. Habitat for the species

7.1 Sufficiency of area and quality of occupied habitat	a) Are area and quality of occupied habitat sufficient (for long-term survival)? b) Is there a sufficiently large area of unoccupied habitat of suitable quality (for long-term survival)?	Yes
7.2 Sufficiency of area and quality of occupied habitat Method used	Complete survey or a statistically robust estimate	
7.3 Short-term trend Period	2007-2018	
7.4 Short-term trend Direction	Stable (0)	
7.5 Short-term trend Method used	Complete survey or a statistically robust estimate	
7.6 Long-term trend Period		
7.7 Long-term trend Direction		
7.8 Long-term trend Method used		
7.9 Additional information		

8. Main pressures and threats

8.1 Characterisation of pressures/threats

Pressure	Ranking
Natural succession resulting in species composition change (other than by direct changes of agricultural or forestry practices) (L02)	H

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Roads, paths, railroads and related infrastructure (e.g. bridges, viaducts, tunnels) (E01)	M
Deposition and treatment of waste/garbage from commercial and industrial facilities (F10)	M
Temperature changes (e.g. rise of temperature & extremes) due to climate change (N01)	M
Construction or modification (e.g. of housing and settlements) in existing urban or recreational areas (F02)	M
Mowing or cutting of grasslands (A08)	M
Threat	Ranking
Natural succession resulting in species composition change (other than by direct changes of agricultural or forestry practices) (L02)	H
Roads, paths, railroads and related infrastructure (e.g. bridges, viaducts, tunnels) (E01)	M
Deposition and treatment of waste/garbage from commercial and industrial facilities (F10)	M
Temperature changes (e.g. rise of temperature & extremes) due to climate change (N01)	M
Construction or modification (e.g. of housing and settlements) in existing urban or recreational areas (F02)	M
Mowing or cutting of grasslands (A08)	M

8.2 Sources of information

8.3 Additional information

9. Conservation measures

9.1 Status of measures

- a) Are measures needed? Yes
- b) Indicate the status of measures Measures identified and taken

9.2 Main purpose of the measures taken

Maintain the current range, population and/or habitat for the species

9.3 Location of the measures taken

Both inside and outside Natura 2000

9.4 Response to the measures

Medium-term results (within the next two reporting periods, 2019-2030)

9.5 List of main conservation measures

Management of habitats (others than agriculture and forest) to slow, stop or reverse natural processes (CL01)

9.6 Additional information

10. Future prospects

10.1 Future prospects of parameters

- a) Range Good
- b) Population Good
- c) Habitat of the species Poor

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10.2 Additional information

11. Conclusions

11.1. Range	Favourable (FV)
11.2. Population	Favourable (FV)
11.3. Habitat for the species	Unfavourable - Inadequate (U1)
11.4. Future prospects	Unfavourable - Inadequate (U1)
11.5 Overall assessment of Conservation Status	Unfavourable - Inadequate (U1)
11.6 Overall trend in Conservation Status	Improving (+)
11.7 Change and reasons for change in conservation status and conservation status trend	<p>a) Overall assessment of conservation status</p> <p>No change</p> <p>The change is mainly due to:</p> <p>b) Overall trend in conservation status</p> <p>Genuine</p> <p>Improved knowledge/more accurate data</p> <p>The change is mainly due to: Improved knowledge/more accurate data</p>

11.8 Additional information

12. Natura 2000 (pSCIs, SCIs and SACs) coverage for Annex II species

12.1 Population size inside the pSCIs, SCIs and SACs network (on the biogeographical/marine level including all sites where the species is present)	a) Unit	number of individuals (i)
	b) Minimum	1600
	c) Maximum	3900
	d) Best single value	
12.2 Type of estimate	Best estimate	
12.3 Population size inside the network Method used	Complete survey or a statistically robust estimate	
12.4 Short-term trend of population size within the network Direction	Increasing (+)	
12.5 Short-term trend of population size within the network Method used	Complete survey or a statistically robust estimate	
12.6 Additional information		

13. Complementary information

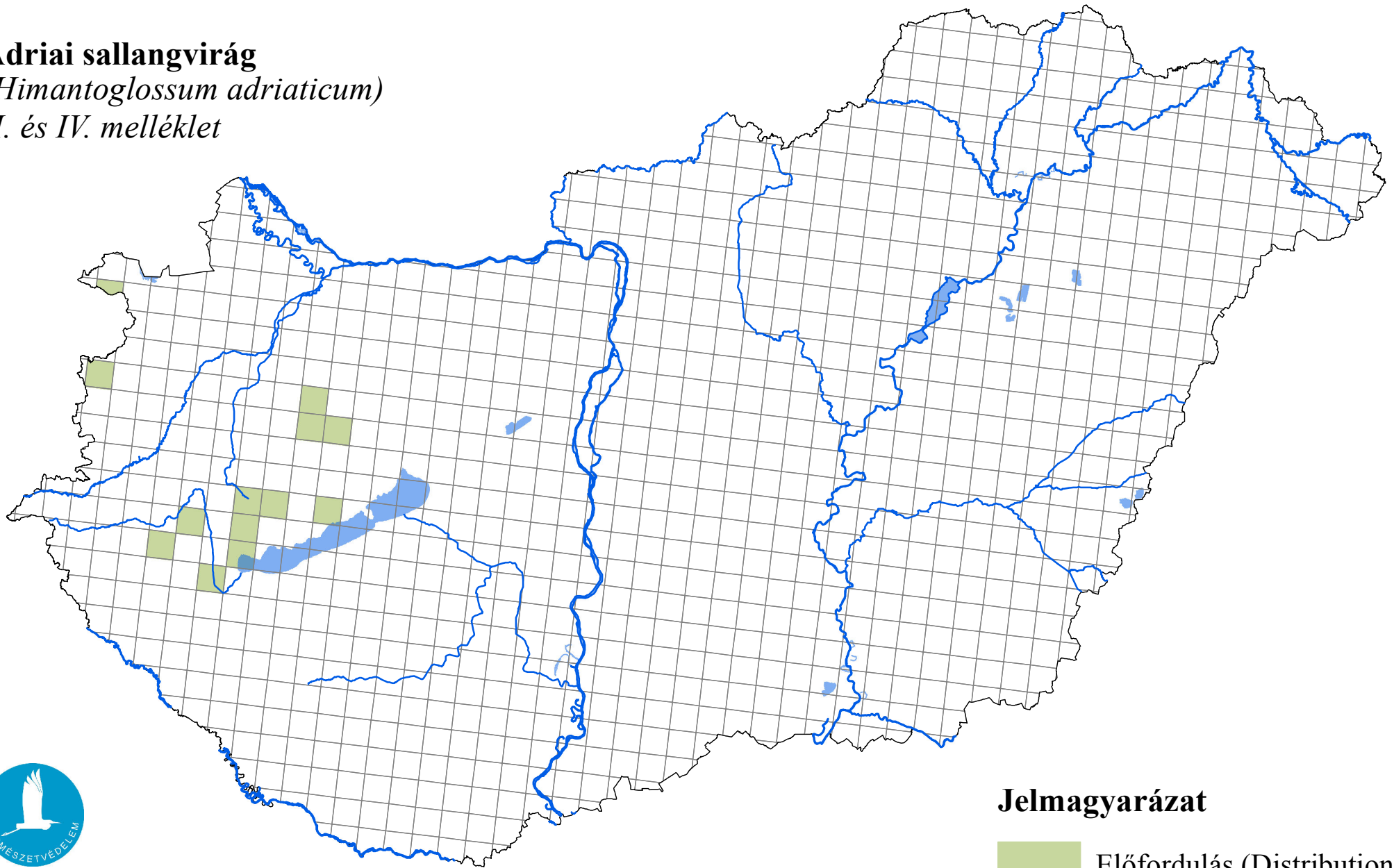
13.1 Justification of % thresholds for trends
13.2 Trans-boundary assessment

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13.3 Other relevant Information

Az élőhelyvédelmi irányelv 17. cikke alapján készített országjelentés 2019

Adriai sallangvirág
(*Himantoglossum adriaticum*)
II. és IV. melléklet



Forrás: Agrárminisztérium,
Természetmegőrzési Főosztály

Jelmagyarázat

