

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

0.1 Member State	GR
0.2.1 Species code	6218
0.2.2 Species name	Himantoglossum hircinum
0.2.3 Alternative species scientific name	Himantoglossum caprinum (M. Bieb.) Spreng. (2327) Himantoglossum jankae Somlyay, Kreutz & Óvári
0.2.4 Common name	Ιμαντόγλωσσο του Janka

1. National Level

1.1 Maps

1.1.1 Distribution Map	Yes
1.1.1a Sensitive species	No
1.1.2 Method used - map	Complete survey/Complete survey or a statistically robust estimate (3)
1.1.3 Year or period	2001-2012
1.1.4 Additional map	No
1.1.5 Range map	Yes

2. Biogeographical Or Marine Level

2.1 Biogeographical Region

2.2 Published sources

Mediterranean (MED)

Baumann, B. & Baumann, H., 1984. Die Orchideenflora der Ionischen Inseln Ithaki und Kefallinia. Mitt.Bl. Arbeitskr. Heim. Orch. Baden-Württ. 16(1):105-183.

Baumann, B. & Baumann, H., 1988. Ein Beitrag zur Kenntnis der Gattung *Epipactis* Zinn im Mittelmeergebiet. Mitt.Bl. Arbeitskr. Heim. Orch. Baden-Württ. 20(1):1-68.

Willing, B. & Willing, E., 1984. Beitrag zur Verbreitung der Orchideen des Epirus (NW-Griechenland). Mitt. Bl. Arbeitskr. Heim. Orch. Baden-Württ. 16(1):21-104.

Willing, B. & Willing, E., 1989. Die Gattung *Dactylorhiza* in Griechenland. Teil 4: *Dactylorhiza smolikana*, spec. nov., ungeflechte Variante der *Dactylorhiza baumanniana* und weitere Orchideenfunde aus NW-Griechenland. Ber. Arbeitskr. Heim. Orch. 6(1):25-62.

Thiele, G. & Thiele, W., 2001. Ein Beitrag zum Kenntnisstand der Orchideen in Nordwest-Griechenland. Jour. Eur. Orch. 33(3):891-916.

Thiele, G. & Thiele, W., 2010. Unsere Orchideen-Fundorte in Europa. Jour. Eur. Orch. 42(2):333-411.

Willing, B. & Willing, E., 1983. Beitrag zur Verbreitung der Orchideen Ätoliens und Arkananiens sowie der Insel Lefkas (NW-Griechenland). Mitt. Bl. Arbeitskr. Heim. Orch. Baden-Württ. 15(3):351-413.

Bayer, M., Künkele, S. & Willing, E., 1978. Interimskarten zur Verbreitung der südgriechischen Orchideen. Mitt. Bl. Arbeitskr. Heim. Orch. Baden-Württ. 10(3/4):114-216.

Vöth, W., 1981. Fundorte griechischer Orchideen. Mitt. Bl. Arbeitskr. Heim. Orch. Baden-Württ. 13(1): 1-89.

Syska, M., 1995. Die Orchideenflora des Westlichen Nestos-Deltas und des angrenzenden Berglandes (Nordostgriechenland). Verbreitung - Ökologie - Gefährdung. Jour. Eur. Orch. 27(3):339-552.

Biel, B. & Rudolph, F., 1992. Orchideenkartierung auf der Pelion-Halbinsel, Griechenland. Ber. Arbeitskr. Heim. Orchid. 9(2):31-63.

Biel, B., 1998. Die Orchideenflora der Insel Lesbos (Griechenland). Jour. Eur. Orch. 30(2):251-443.

Biel, B., 2003. Zur Orchideenflora der Inseln Samothraki (Griechenland) und Gokceada (Turkei) – mit kurzem Ausflug auf das griechische Festland bei

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- Alexandroupoli (Nomos Evros). Ber. Arbeitskrs. Heim. Orchid. 20(2): 63-94.
- Kapteyn Den Boumeester, D.W. & Willing, E., 1988. Aktuelle Verbreitung der Orchideen auf Kerkira (Korfu-Griechenland). Ber. Arbeitskr. Heim. Orch. Beiheft 2:4-128.
- Aplada, E., Tiniakou, A. & Georgiadis, T., 2012. The orchid flora of mount Giona (Sterea Ellas, Greece). Jour. Eur. Orch. 44(4):765-792.
- Ettlinger, D.M.T., 1992. Notes sur les Orchidées vues à Corfu (Kerkira, Grèce) en 1981 et 1992. Natural. belges 73 (Orchid. 5):113-124.
- Gölz, P. & Reinhard, H., 1983. Orchideen in Nordwestgriechenland. Mitt. Bl. Arbeitskr. Heim. Orch. Baden-Württ. 15(2):161-216.
- Gölz, P. & Reinhard, H., 1989. Zur Orchideenflora von Lesbos. Mitt. Bl. Arbeitskr. Heim. Orch. Baden-Württ. 21(1):1-87.
- Gölz, P. & Reinhard, H., 1995. Die Orchideenflora der ionischen Inseln Kefallinia und Zakynthos: Neue Beobachtungen und Erkenntnisse. Jour. Eur. Orch. 27(4):555-621.
- Manuel, R.L., 1996. Orchidées de Crète - Une compilation de mentions récentes. Natural. belges 77 (Orchid. 9):137-170.
- Paulus, H. F., 2011. Zur Bestäubungsbiologie einiger Ophrys-Arten in Nordthessalien mit Beschreibung von *Ophrys olympiotissa* aus der *Ophrys argolica* – *ferrum-equinum*-Gruppe (Orchidaceae und Insecta, Apoidea). Jour. Eur. Orch. 43(3):498-526.
- Thiele, G. & Thiele, W., 2002. Ergänzungen zur Kenntnis der Orchideen in Nordwest-Griechenland. Jour. Eur. Orch. 34(3):639-654.
- Thiele, G. & Thiele, W., 2003. Orchideenkartierung in NW-Griechenland - Teil 3. Jour. Eur. Orch. 35(2):361-380.
- Thiele, G. & Thiele, W., 2007. Wieder einmal Orchideen der Zagoria (Griechenland) - Ein Reisebericht. Jour. Eur. Orch. 39(2):273-295.
- Karagiannakidou, W., Babalonas, D., 1981. Verbreitung von Orchideen-Sippen in Nordgriechenland, I+II. Ber. Arbeitskr. Heim. Orch. 13(2):164-204.
- Kreutz, C.A.J., 1994. Verslag van een orchideeënreis naar noord-Griekenland. Eurorchis 6:81-99.
- Voliotis, D., 1981. Über die Orchideen des Voras-Gebirges. Mitt. Bl. Arbeitskr. Heim. Orch. Baden-Württ. 13(2): 205-219.
- Βολιώτης, Δ., 1967. Έρευνα επί της βλαστήσεως και της χλωρίδος του Χολομώντος και ιδία, της αρωματικής, φαρμακευτικής και μελισσοτροφικής τοιαύτης. Διατριβή επί Διδακτορία. Σχολή των Φυσικών και Μαθηματικών Επιστημών, Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης.
- Δημητρέλλος, Γ.Ν., 2005. Γεωβοτανική έρευνα του όρους Τυμφρηστού (Δ Στερεά Ελλάδα): Χλωρίδα - Βλάστηση - Αξιολόγηση - Διαχείριση. Διδακτορική Διατριβή. Τμήμα Βιολογίας, Πανεπιστήμιο Πατρών.
- Künkele, S. & Paysan, K., 1981. Die Orchideenflora von Euböa (Griechenland). - Beih. Veroff. Naturschutz Landschaftflege Bad.- Württ., 23:1-138. Karlsruhe.
- Snogerup, S. & Snogerup, B., 1991. Flora and vegetation of the island of Agios Evstratios, Greece. Bot. Chron. 10:527-546.
- Τσιφτσής, Σ., 2009. Τα Ορχεοειδή (Orchidaceae) της Α. Μακεδονίας: Εξάπλωση, Οικολογικές Συνθήκες Ανάπτυξης και Καθορισμός Περιοχών Υψηλής Αξίας Διατήρησης. Διδακτορική διατριβή, Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης, Θεσσαλονίκη, 270 σελίδες.

2.3 Range

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2.3.1 Surface area - Range (km ²)	41300
2.3.2 Method - Range surface area	Complete survey/Complete survey or a statistically robust estimate (3)
2.3.3 Short-term trend period	2001-2012
2.3.4 Short-term trend direction	stable (0)
2.3.5 Short-term trend magnitude	min max
2.3.6 Long-term trend period	
2.3.7 Long-term trend direction	N/A
2.3.8 Long-term trend magnitude	min max
2.3.9 Favourable reference range	area (km ²) operator approximately equal to (≈) unkown No method All the known sites where H. jankae was found (both historical and present) were used to define the FRR.

2.3.10 Reason for change

2.4 Population

2.4.1 Population size (individuals or agreed exception)	Unit number of individuals (i) min 20000 max 30000
2.4.2 Population size (other than individuals)	Unit N/A min max
2.4.3 Additional information	Definition of locality Conversion method Problems
2.4.4 Year or period	2003-2012
2.4.5 Method – population size	Complete survey/Complete survey or a statistically robust estimate (3)
2.4.6 Short-term trend period	2002-2012
2.4.7 Short term trend direction	stable (0)
2.4.8 Short-term trend magnitude	min max confidence interval
2.4.9 Short-term trend method	Estimate based on partial data with some extrapolation and/or modelling (2)
2.4.10 Long-term trend period	
2.4.11 Long term trend direction	N/A
2.4.12 Long-term trend magnitude	min max confidence interval
2.4.13 Long-term trend method	N/A
2.4.14 Favourable reference population	number operator approximately equal to (≈) unknown No method Present data as well as all the historical distribution data were taken into account to define the FRP

2.4.15 Reason for change

2.5 Habitat for the Species

2.5.1 Surface area - Habitat (km ²)	5000
2.5.2 Year or period	2003-2012
2.5.3 Method used - habitat	Complete survey/Complete survey or a statistically robust estimate (3)
2.5.4 a) Quality of habitat	Good
2.5.4 b) Quality of habitat - method	-
2.5.5 Short term trend period	2002-2012
2.5.6 Short term trend direction	stable (0)

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2.5.7 Long-term trend period	
2.5.8 Long term trend direction	N/A
2.5.9 Area of suitable habitat (km ²)	0
2.5.10 Reason for change	

2.6 Main Pressures

Pressure	ranking	pollution qualifier(s)
non intensive grazing (A04.02)	medium importance (M)	N/A

2.6.1 Method used – pressures mainly based on expert judgement and other data (2)

2.7 Main Threats

Threat	ranking	pollution qualifier(s)
No threats or pressures (X)	()	N/A

2.7.1 Method used – threats expert opinion (1)

2.8 Complementary Information

2.8.1 Justification of % thresholds for trends

2.8.2 Other relevant information Note on 2.5.1: the habitat area for the species is estimated as 5000-10000 km².

2.8.3 Trans-boundary assessment

2.9 Conclusions (assessment of conservation status at end of reporting period)

2.9.1 Range assessment Favourable (FV)
qualifiers N/A

2.9.2. Population assessment Favourable (FV)
qualifiers N/A

2.9.3. Habitat assessment Favourable (FV)
qualifiers N/A

2.9.4. Future prospects assessment Favourable (FV)
qualifiers N/A

2.9.5 Overall assessment of Conservation Status Favourable (FV)

2.9.5 Overall trend in Conservation Status N/A

3. Natura 2000 coverage and conservation measures - Annex II species

3.1 Population

3.1.1 Population Size Unit number of individuals (i)
min 3500 max 4500

3.1.2 Method used Complete survey/Complete survey or a statistically robust estimate (3)

3.1.3 Trend of population size within N/A

3.2 Conversation Measures

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3.2.1 Measure	3.2.2 Type	3.2.3 Ranking	3.2.4 Location	3.2.5 Broad Evaluation
Legal protection of habitats and species (6.3)	Legal	high importance (H)	Both	Not evaluated
Regulation/ Management of hunting and taking (7.1)	Legal	low importance (L)	Both	Not evaluated