

# Report on the main results of the surveillance under Article 17 for Annex I habitat types (Annex D)

## NATIONAL LEVEL

### 1. General information

1.1 Member State	GR
1.2 Habitat code	9340 - <i>Quercus ilex</i> and <i>Quercus rotundifolia</i> forests

### 2. Maps

2.1 Year or period	2015
2.3 Distribution map	Yes
2.3 Distribution map Method used	Based mainly on extrapolation from a limited amount of data
2.4 Additional maps	Yes

## BIOGEOGRAPHICAL LEVEL

### 3. Biogeographical and marine regions

3.1 Biogeographical or marine region where the habitat occurs	<b>Mediterranean (MED)</b>
3.2 Sources of information	<p>Dimopoulos P., Xystrakis F. and Tsiropidis I. 2014. Deliverable A1. Final Catalogue of Habitat Types – 1st edition. Ministry of Environment, Energy and Climate Change, OIKOM Ltd - E. Alexandropoulou - A. Glavas, Athens, pages 54.</p> <p>Dimopoulos P., Fotiadis G., Tsiropidis I., Panitsa M. and Karadimou E. 2014. Deliverable A2. Report and Literature Database on Habitat Types of Greece – 1st edition. Ministry of Environment, Energy and Climate Change, OIKOM Ltd - E. Alexandropoulou - A. Glavas, Athens, pages 210.</p> <p>Tsiropidis I., Xystrakis F., Kasampalis D., Mastrogianni A., Strid A. and Dimopoulos P., 2014. Deliverable A4. Potential Distribution Maps of Habitat Types – 1st edition. Ministry of Environment, Energy and Climate Change, OIKOM Ltd - E. Alexandropoulou - A. Glavas, Athens, Athens, pages 176.</p> <p>Dimopoulos P., Tsiropidis I., Xystrakis F., Panitsa M., Fotiadis G., Kallimanis A.S. and Kazoglou I. 2014. Deliverable A6. Explanatory Implementation Manual for the Conservation Degree Assessment of Habitat Types – 1st edition. Ministry of Environment, Energy and Climate Change, OIKOM Ltd - E. Alexandropoulou - A. Glavas, Athens, pages 35. (with Annexes: I. Habitat types protocols, pages 600; II. Explanatory notes on the habitat types protocols selection, pages 4; III. Correspondence of Habitat types protocols with the clusters of vegetation relevés (excel file).</p> <p>Dimopoulos P., Tsiropidis I., Xystrakis F., Kallimanis A.S and Panitsa M. 2014. Deliverable A7. Preliminary Analysis of the Field Data for the Habitat Types – 1st edition. Ministry of Environment, Energy and Climate Change, OIKOM Ltd - E. Alexandropoulou - A. Glavas, Athens, pages 16.</p> <p>Αθανασιάδης Ν., Θεοδωρόπουλος Κ., Γερασιμίδης Α., Ελευθεριάδου Ε., Τσιριπίδης Γ. &amp; Κοράκης Γ. 1998. Μονάδες βλάστησης της ζώνης των αιφύλλων πλατυφύλλων του Αγίου Όρους. Ειδική έκδοση στα πλαίσια του προγράμματος «Έκθεση Αγίου Όρους, Φύση και Περιβάλλον – Θεσσαλονίκη Πολιτιστική Πρωτεύουσα της Ευρώπης 1997», σελ. 87 + Πίνακες.</p> <p>Barbero M. &amp; Quézel P. 1976. Les groupements forestiers de Grece Centro-Meridionale. <i>Ecologia Mediterranea</i> 2: 1-86.</p> <p>Bauer E.-M. &amp; Bergmeier E. 2011. The mountain woodlands of western Crete – plant communities, land use and conservation. <i>Phytocoenologia</i> 41(2): 73-105.</p> <p>Bergmeier E. 1990. Walder und Gebusche des Niederen Olymp (Kato Olimbos, NO-Thessalien). <i>Phytocoenologia</i> 18(2/3): 161-342.</p>

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- Βλάχος Α. 2006. Χλωρίδα Βλάστηση και Οικολογία του ορεινού συγκροτήματος των Βαρδουσίων. Διδακτορική Διατριβή. Πανεπιστήμιο Πατρών, σελ. 396.
- Γεωργιάδης Θ., Δημόπουλος Π., Πανίτσα Μ. & Δημητρέλλος Γ. 1996. Τα φυσικά οικοσυστήματα της Πελοποννήσου με βάση την ποικιλότητα σε τύπους οικοτόπων και τα σημαντικά τους είδη. Πρακτικά 6ου Επιστημονικού Συνεδρίου της Ελληνικής Βοτανικής Εταιρείας και της Βιολογικής Εταιρείας Κύπρου, Παραλίμνι Κύπρου, 6-11 Απριλίου 1996: 68-73. Δαμιανίδης Χ. 2011. Φυτοκοινωνιολογική έρευνα των ερεικώνων και των αειφύλλων πλατύφυλλων της βόρειας πλευράς του Χολομώντα. Μεταπτυχιακή Διατριβή. ΑΠΘ, σελ. 63 + 1 Παράρτημα + 1 Χάρτης + 1 Πίνακας. Θεοδωρόπουλος Κ. 2001. Ζώνες βλάστησης και τύποι οικοτόπων του νομού Θεσσαλονίκης. Επιστ. Επετ. Τμημ. Δασολογίας & Φυσικού Περιβάλλοντος ΜΔ: 353-381.
- Θεοδωρόπουλος Κ., Ξυστράκης Φ., Ελευθεριάδου Ε. & Σαμαράς Δ. 2011. Ζώνες βλάστησης και τύποι οικοτόπων της περιοχής του Φορέα Διαχείρισης Εθνικού Δρυμού Ολύμπου. Επιστ. Επετ. Σχολής Δασολογίας και Φυσικού Περιβάλλοντος, ΑΠΘ 2002, ΜΕ, σελ. 18 (σε CD).
- Καρέτσος Γ. 2002. Μελέτη της Οικολογίας και της Βλάστησης του Όρους Οίτη. Διδακτορική Διατριβή. Πανεπιστήμιο Πατρών, σελ. 325. Κοκμοτός Ε. 2008. Χλωριδική και φυτοκοινωνιολογική μελέτη των ορεινών όγκων της Βοιωτίας (Ελικώνας-Ξεροβούνι-Νεραϊδολάκκωμα). Διδακτορική Διατριβή. Πανεπιστήμιο Πατρών, σελ. 509 + 3 Παραρτήματα. Lavrentiades G.J. 1969. Studies on the flora and vegetation of the Ormos Archangelou in Rhodos islands. *Vegetatio* XIX: 308-329.
- Μαρούλης Γ. 2003. Χλωρίδα και βλάστηση των οικοσυστημάτων του όρους Ερύμανθος (ΒΔ Πελοπόννησος). Διδακτορική Διατριβή. Πανεπιστήμιο Πατρών, σελ. 450 + 1 Παράρτημα + 1 Χάρτης.
- Papanikolaou G.D. & Sarlis G.P. 1991. Phytosociological studies in the Tatoi district (Attica, Greece). *Vegetatio* 93: 81-90. Pavlides G., Vardavakis E. & Lavrentiades G. 1988. Notes on the vegetation and soil profiles near Polygyros (Chalkidiki peninsula, northern Greece). *Israel Journal of Botany* 37: 19-47.
- Πλατής Π., Παπαχρήστου Θ., Μελιάδης Ι. & Μαντζανάς Κ. 2007. Ποικιλότητα τύπων οικοτόπων της περιοχής Ακαρνανικών ορέων του Δικτύου "Φύση 2000". Πρακτικά 13ου Πανελληνίου Δασολογικού Συνεδρίου της Ελληνικής Δασολογικής Εταιρείας, Χλόη Καστοριάς, 7-10 Οκτωβρίου 2007 (τόμος Ι): 116-124.
- Raus Th. 1979. Die vegetation Osthessaliens (Griechenland), II. Quercetea ilicis und Cisto-Micromerietea. *Bot. Jahrb. Syst.* 101(1): 17-82.
- Verroios G. & Georgiadis T. 2011. Aleppo pine forests of northern and western Peloponnisos (southern Greece): Plant communities and diversity. *Plant Biosystems* 145 (3): 606-619.
- Zoller H., Geissler P. & Athanasiadis N. 1977. Beiträge zur Kenntnis der Wälder, Moos- und Flechtenassoziationen in den Gebirgen Nordgriechenlands. *Bauhinia* 6/1: 215-255.

## 4. Range

4.1 Surface area	12211
4.2 Short-term trend Period	2007-2018
4.3 Short-term trend Direction	Stable (0)
4.4 Short-term trend Magnitude	a) Minimum <span style="margin-left: 150px;">b) Maximum</span>
4.5 Short-term trend Method used	Based mainly on extrapolation from a limited amount of data
4.6 Long-term trend Period	



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6.4 Short-term trend of habitat area in good condition Direction	Stable (0)
6.5 Short-term trend of habitat area in good condition Method used	Complete survey or a statistically robust estimate
6.6 Typical species	Has the list of typical species changed in comparison to the previous reporting period? No
6.7 Typical species Method used	Typical species were determined on the basis of a vegetation database, comprised of about 22000 sampling plots. First, a list of possible typical species was determined per habitat type, selecting the ones presenting a high fidelity value to the habitat types according the algorithm of Tsiripidis et al. (2009) and the phi coefficient value (Chytrý et al. 2002). Then typical species per habitat type were selected from the above-mentioned lists by expert judgment and using as criteria species niche breadth, their ability to comprise indicators of habitat types' conservation status and their function as keystone species. The nomenclature of the typical species follows Dimopoulos et al. (2013). References Chytrý, M., Tichý, L., Holt, J. & Botta-Dukat, J. 2002. Determination of diagnostic species with statistical fidelity measures. <i>Journal of Vegetation Science</i> 13: 79–90. Dimopoulos, P., Raus, Th., Bergmeier, E., Constantinidis, Th., Iatrou, G., Kokkini, S., Strid, A. & Tzanoudakis, D. 2013: Vascular plants of Greece: an annotated checklist. – Berlin: Botanischer Garten und Botanisches Museum Berlin-Dahlem, Freie Universität Berlin; Athens: Hellenic Botanical Society. Englera 31: 1-367. Tsiripidis, I., Bergmeier, E., Fotiadis, G. & Dimopoulos, P. 2009. A new algorithm for the determination of differential taxa. <i>Journal of Vegetation Science</i> 20: 233-240.
6.8 Additional information	Assumption: 90% of habitat area is estimated to be in good condition.

## 7. Main pressures and threats

### 7.1 Characterisation of pressures/threats

Pressure	Ranking
Conversion into agricultural land (excluding drainage and burning) (A01)	M
Other forestry activities, excluding those relating to agro-forestry (B29)	M
Wind, wave and tidal power, including infrastructure (D01)	H
Other human intrusions and disturbance not mentioned above (H08)	M
Removal of small landscape features for agricultural land parcel consolidation (hedges, stone walls, rushes, open ditches, springs, solitary trees, etc.) (A05)	M
Sports, tourism and leisure activities (F07)	M
Mixed source soil pollution and solid waste (excluding discharges) (J04)	H
Fire (natural) (M09)	M
Threat	Ranking
Conversion into agricultural land (excluding drainage and burning) (A01)	M
Intensive grazing or overgrazing by livestock (A09)	M

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Other forestry activities, excluding those relating to agro-forestry (B29)	M
Wind, wave and tidal power, including infrastructure (D01)	H
Sports, tourism and leisure activities (F07)	M
Mixed source soil pollution and solid waste (excluding discharges) (J04)	H
Collapse of terrain, landslide (M05)	M
Fire (natural) (M09)	M

## 7.2 Sources of information

PRESSURES: Based mainly on expert judgement and other data.  
THREATS: Based on expert opinion.

## 7.3 Additional information

## 8. Conservation measures

### 8.1 Status of measures

a) Are measures needed? **No**

b) Indicate the status of measures

### 8.2 Main purpose of the measures taken

### 8.3 Location of the measures taken

### 8.4 Response to the measures

### 8.5 List of main conservation measures

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### 8.6 Additional information

## 9. Future prospects

### 9.1 Future prospects of parameters

a) Range **Good**  
b) Area **Good**  
c) Structure and functions **Good**

### 9.2 Additional information

## 10. Conclusions

### 10.1. Range

Favourable (FV)

### 10.2. Area

Favourable (FV)

### 10.3. Specific structure and functions (incl. typical species)

Favourable (FV)

### 10.4. Future prospects

Favourable (FV)

### 10.5 Overall assessment of Conservation Status

Favourable (FV)

### 10.6 Overall trend in Conservation Status

Stable (=)

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10.7 Change and reasons for change in conservation status and conservation status trend

a) Overall assessment of conservation status

No change

The change is mainly due to:

b) Overall trend in conservation status

No change

The change is mainly due to:

10.8 Additional information

## 11. Natura 2000 (pSCIs, SCIs, SACs) coverage for Annex I habitat types

11.1 Surface area of the habitat type inside the pSCIs, SCIs and SACs network (in km<sup>2</sup> in biogeographical/marine region)

a) Minimum

b) Maximum

c) Best single value 381,28

11.2 Type of estimate

Minimum

11.3 Surface area of the habitat type inside the network Method used

Complete survey or a statistically robust estimate

11.4 Short-term trend of habitat area in good condition within the network Direction

Stable (0)

11.5 Short-term trend of habitat area in good condition within network Method used

Complete survey or a statistically robust estimate

11.6 Additional information

Habitat type for which either new Natura sites have been designated or former ones have been expanded to cover a bigger part of their surface area. The change in 11.1 (in comparison to the previous report) is due to the updated mapping datasets on terrestrial habitat types within the Natura 2000 network (pSCIs, SCIs and SACs), based on the most recent national project (results became available in 2018). As this project did not include the extended areas of the Natura 2000 sites, nor the newly proposed SCIs, the surface area reported is the minimum.

## 12. Complementary information

12.1 Justification of % thresholds for trends

12.2 Other relevant information