

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	9280 - <i>Quercus frainetto</i> woods

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

Mediterranean (MED)

3.2 Sources of information

Dimopoulos P., Xystrakis F. and Tsiripidis 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.

Dimopoulos P., Fotiadis G., Tsiripidis 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. Tsiripidis 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. Dimopoulos P., Tsiripidis 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). Dimopoulos P., Tsiripidis 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. Bergmeier E. & Dimopoulos P. 1999. Classification of Greek *Fagus* woodlands: a preliminary survey. *Annali di Botanica (Roma)*, 57: 91-104. Bergmeier E. & Dimopoulos P. 2001. *Fagus sylvatica* forest vegetation in Greece: Syntaxonomy and gradient analysis. *Journal of Vegetation Science* 12: 109-126. Βραχνάκης Μ., Φωτιάδης Γ. & Καζόγλου Ι. 2011. Τύποι Οικοτόπων Εθνικού Πάρκου Πρεσπών – Αναγνώριση-Καταγραφή 2011. Εταιρία Προστασίας Πρεσπών, σελ. 101. Δαμιανίδης Χ., Γερασιμίδης Α. & Θεοδωρόπουλος Κ. 2009. Οι φυτοκοινωνίες των δασών οξιάς του όρους Λαϊλιά των Σερρών. Πρακτικά 14ου Πανελληνίου Δασολογικού Συνεδρίου, Πάτρα, 1-4 Νοεμβρίου 2009: 295-306. Δημόπουλος Π. & Bergmeier E. 1998. Χωρολογία και συνχωρολογία των δασών οξιάς στην Ελλάδα. Πρακτικά 7ου Πανελληνίου Επιστημονικού Συνεδρίου της Ελληνικής Βοτανικής Εταιρίας, Αλεξανδρούπολη, 1-4 Οκτωβρίου 1998: 96-101. Dimopoulos P. & Bergmeier E. 1997. The Beech forests of Greece:

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Diversity, Syntaxonomy and relationships with the Palaeartic Habitat Classification. 6th International Workshop, "European Vegetation Survey", Rome, Italy, 13 -16 March 1997. Ελευθεριάδου Ε., Τσιριπίδης Ι., Θεοδωρόπουλος Κ. & Ξυστράκης Φ. 2007. Τύποι οικοτόπων της περιοχής "Ροδόπη (Σημάδα)" του Δικτύου "Φύση 2000". Πρακτικά 13ου Πανελληνίου Δασολογικού Συνεδρίου της Ελληνικής Δασολογικής Εταιρείας, Χλόη Καστοριάς, 7-10 Οκτωβρίου 2007 (τόμος Ι): 91-99. Gamisans J. & Hebrard J.-P. 1980. A propos de la vegetation des forets en Grece du Nord-est (Macedoine orientale et Thrace occidentale). Documents phytosociologiques 5:243-276. Θεοδωρόπουλος Κ. 2001. Ζώνες βλάστησης και τύποι οικοτόπων του νομού Θεσσαλονίκης. Επιστ. Επετ. Τμημ. Δασολογίας & Φυσικού Περιβάλλοντος ΜΔ: 353-381. Καραγιαννακίδου-Ιατροπούλου Β. 1983. Σταθμολογική έρευνα στην Quercus – Fagetea κλάση του ορεινού συγκροτήματος του Χορτιάτη. Διδακτορική Διατριβή. ΑΠΘ. Επιστ. Επετ. Σχολής Θετικών Επιστημών, 22 (25) σελ. 161. Karagiannakidou V. 1993. Site research in beech forests of the Chortiatis Mountain Range, NE Greece. Bot. Helv. 103: 23-37. Πουλής Γ. 2011. Οι φυτοκοινωνίες των δασών οξιάς του όρους Οξυά (Κ. Ελλάδα). Μεταπτυχιακή Διατριβή. Τμήμα Δασολογίας & Φυσικού Περιβάλλοντος, ΑΠΘ, σελ. 50. Raus Th. 1980. Die vegetation Osthessaliens (Griechenland), III. Quercus-Fagetea und azonale Gehölzgesellschaften. Bot. Jahrb. Syst. 101(3): 313-361. Schreiber H.J. 1998. Waldgrenznahe Buchenwälder und Grasländer des Falakron und Pangäon in Nordostgriechenland. Syntaxonomie, Struktur und Dynamik. Arb. Inst. Landschaftsökol. Westf. Wilhelms-Univ. Münster 4: 1-171. Τσιριπίδης Ι. 2001. Οι φυτοκοινωνίες δασών οξιάς της Ροδόπης και εκτίμηση περιβαλλόντων τους για αναδάσωση. Διδακτορική Διατριβή. ΑΠΘ, σελ. 359 + Παραρτήματα. Τσιριπίδης Ι., Fotiadis G., Karagiannakidou V. & Babalonas D. 2005. Classification problems of forest vegetation in Greece: Transition from beech to deciduous oak zone. Bot. Chron. 18(1): 253-268. Τσιριπίδης Ι., Bergmeier E. & Dimopoulos P. 2007. Geographical and ecological differentiation in Greek Fagus forest vegetation. Journal of Vegetation Science 18: 743-750. Τσιριπίδης Ι., Karagiannakidou V. & Athanasiadis N. 2005. Ecological and phytogeographical differentiation of beech forests in Greek Rodopi (Northeast Greece). Biologia 60: 57-67. Τσιριπίδης Ι., Karagiannakidou V., Alifragis D. & Athanasiadis N. 2007. Classification and gradient analysis of the beech forest vegetation of the southern Rodopi (Northeast Greece). Folia Geobotanica 42: 249–270. Φωτιάδης Γ. 2004. Καθορισμός των δασικών φυτοκοινωνιολογικών μονάδων του Ελληνικού τμήματος του όρους Μπέλες και της οροσειράς των Κρουσιών. Διδακτορική Διατριβή, ΑΠΘ, σελ. 273 + Παράρτημα. Φωτιάδης Γ., Παναγιωτίδης Σ. & Γερασιμίδης Α. 2005. Φυτοκοινωνιολογικές μονάδες των δασών οξιάς του τόξου Βέρνο-Άσκιο (ΒΔ Ελλάδα). Πρακτικά 10ου Πανελληνίου Επιστημονικού Συνεδρίου της Ελληνικής Βοτανικής Εταιρείας, Ιωάννινα, 5-8 Μαΐου 2005, σελ. 9 (σε CD). Χοχλίουρος Π.Σ. 2005. Χλωριδική και Φυτοκοινωνιολογική Έρευνα του Όρους Βερμίου - Οικολογική προσέγγιση. Διδακτορική Διατριβή. Πανεπιστήμιο Πατρών, σελ. 352 + 3 Παραρτήματα.

4. Range

4.1 Surface area	3225
4.2 Short-term trend Period	2007-2018
4.3 Short-term trend Direction	Stable (0)
4.4 Short-term trend Magnitude	a) Minimum b) Maximum
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	<p>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-Dukát, 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.</p>
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
Intensive grazing or overgrazing by livestock (A09)	M
Natural succession resulting in species composition change (other than by direct changes of agricultural or forestry practices) (L02)	M
Roads, paths, railroads and related infrastructure (e.g. bridges, viaducts, tunnels) (E01)	M
Abiotic natural processes (e.g. erosion, silting up, drying out, submersion, salinization) (L01)	M
Storm, cyclone (M07)	M
Fire (natural) (M09)	M
Threat	Ranking
Clear-cutting, removal of all trees (B09)	M
Natural succession resulting in species composition change (other than by direct changes of agricultural or forestry practices) (L02)	M
Intensive grazing or overgrazing by livestock (A09)	M
Extensive grazing or undergrazing by livestock (A10)	M
Other forestry activities, excluding those relating to agro-forestry (B29)	M

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Roads, paths, railroads and related infrastructure (e.g. bridges, viaducts, tunnels) (E01) M

Abiotic natural processes (e.g. erosion, silting up, drying out, submersion, salinization) (L01) 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 (=)

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:

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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 km² in biogeographical/marine region)

- a) Minimum
- b) Maximum
- c) Best single value 221,37

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

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