

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 | 1510 - Mediterranean salt steppes (<i>Limonietalia</i>) |

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 | <p>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.</p> <p>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.</p> <p>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.</p> <p>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).</p> <p>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.</p> <p>Babalonas D., Sýkora K.V. & Papastergiadou E. 1995. Review of plant communities from Greek dunes and salt marshes. A preliminary summarizing list. <i>Ann. Bot. (Roma)</i> 53: 107-117.</p> <p>Θεοδωρόπουλος Κ. 2001. Ζώνες βλάστησης και τύποι οικοτόπων του νομού Θεσσαλονίκης. <i>Επιστ. Επετ. Τμημ. Δασολογίας & Φυσικού Περιβάλλοντος ΜΔ</i>: 353-381.</p> <p>Sýkora K.V., Babalonas D. & Papastergiadou E. 1998. An overview of the coastal vegetation of Greece based on multivariate analysis: Dunes. <i>Proceedings of the 1st Balkan Botanical Congress (Progress in Botanical Research)</i>, Thessaloniki 1998. Kluwer Academic Publishers, 149-152.</p> <p>Sýkora K.V., Babalonas D. & Papastergiadou E. 2003. Strandline and sand-dune</p> |

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6. Structure and functions

| | | | |
|--|--|--------------|--------------|
| 6.1 Condition of habitat | a) Area in good condition (km ²) | Minimum 0 | Maximum 0 |
| | b) Area in not-good condition (km ²) | Minimum 0,72 | Maximum 0,72 |
| | c) Area where condition is not known (km ²) | Minimum 2,87 | Maximum 2,87 |
| 6.2 Condition of habitat Method used | Complete survey or a statistically robust estimate | | |
| 6.3 Short-term trend of habitat area in good condition Period | 20072018 | | |
| 6.4 Short-term trend of habitat area in good condition Direction | Increasing (+) | | |
| 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-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: <i>Vascular plants of Greece: an annotated checklist</i>. – 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: 20% of habitat area is estimated to be in not-good condition. | | |

7. Main pressures and threats

7.1 Characterisation of pressures/threats

| Pressure | Ranking |
|--|---------|
| Intensive grazing or overgrazing by livestock (A09) | H |
| Other human intrusions and disturbance not mentioned above (H08) | H |

| Threat | Ranking |
|---|---------|
| Intensive grazing or overgrazing by livestock (A09) | H |

7.2 Sources of information
 PRESSURES: Based mainly on expert judgement and other data.
 THREATS: Based on expert opinion.

7.3 Additional information

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8. Conservation measures

| | | |
|------------------------|------------------------------------|---|
| 8.1 Status of measures | a) Are measures needed? | Yes |
| | b) Indicate the status of measures | Measures identified, but none yet taken |

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

Adapt mowing, grazing and other equivalent agricultural activities (CA05)

Reduce impact of other specific human actions (CH03)

8.6 Additional information

9. Future prospects

| | | |
|------------------------------------|----------------------------|------|
| 9.1 Future prospects of parameters | a) Range | Good |
| | b) Area | Poor |
| | c) Structure and functions | Poor |

9.2 Additional information

10. Conclusions

| | |
|---|--|
| 10.1. Range | Favourable (FV) |
| 10.2. Area | Unfavourable - Inadequate (U1) |
| 10.3. Specific structure and functions (incl. typical species) | Unfavourable - Inadequate (U1) |
| 10.4. Future prospects | Unfavourable - Inadequate (U1) |
| 10.5 Overall assessment of Conservation Status | Unfavourable - Inadequate (U1) |
| 10.6 Overall trend in Conservation Status | Improving (+) |
| 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 Improved knowledge/more accurate data Use of different method The change is mainly due to: Improved knowledge/more accurate data |
| 10.8 Additional information | |

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

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| | |
|---|--|
| 11.1 Surface area of the habitat type inside the pSCIs, SCIs and SACs network (in km ² in biogeographical/marine region) | a) Minimum b) Maximum c) Best single value 3,59 |
| 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 | Unknown (x) |
| 11.5 Short-term trend of habitat area in good condition within network Method used | Insufficient or no data available |
| 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