

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 | 1896 |
| 0.2.2 Species name | Phoenix theophrasti |
| 0.2.3 Alternative species scientific name | N/A |
| 0.2.4 Common name | N/A |

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 | 2007-2012 |
| 1.1.4 Additional map | Yes |
| 1.1.5 Range map | Yes |

2. Biogeographical Or Marine Level

2.1 Biogeographical Region

Mediterranean (MED)

2.2 Published sources

Dimopoulos P., Bergmeier E., Georghiou K., Thanos C.A. 2008. D.1: Final monitoring report 2005-2007 (CRETAPLANT: A Pilot Network of Plant Micro-Reserves in Western Crete-LIFE 04NAT_GR_000104). National and Kapodistrian University of Athens.

Dwaik F.K.M. 2009. An investigation of the ecology, status and distribution of Phoenix theophrasti (Palmae). MSc thesis, MAICh.

MAICh 2005. ACTION A.1: Inventorying of the localities of the target species/habitats (CRETAPLANT: A Pilot Network of Plant Micro-Reserves in Western Crete-LIFE 04NAT_GR_000104).

Thimakis N. 2009. Phoenix theophrasti Greuter. In: The Red Data Book of rare and threatened plants of Greece, Vol 2 (E-Z), Phitos D., Constantinidis T., Kamari G. (Eds), pp. 256-258, Hellenic Botanical Society, Patras, Greece (in Greek).

2.3 Range

| | |
|---|---|
| 2.3.1 Surface area - Range (km ²) | 216 |
| 2.3.2 Method - Range surface area | Complete survey/Complete survey or a statistically robust estimate (3) |
| 2.3.3 Short-term trend period | 2002-2012 |
| 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 |

2.3.10 Reason for change

2.4 Population

| | | |
|---|------|---------------------------|
| 2.4.1 Population size (individuals or agreed exception) | Unit | number of individuals (i) |
| | min | 6500 max 7500 |

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

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|---|---|---|---------------------|
| 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 | 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 | Complete survey/Complete survey or a statistically robust estimate (3) | | |
| 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 | more than (>) | |
| | unknown | No | |
| | method | Two subpopulations have very few individuals and cannot be considered viable in a long-term basis | |
| 2.4.15 Reason for change | Improved knowledge/more accurate data | | |
| 2.5 Habitat for the Species | | | |
| 2.5.1 Surface area - Habitat (km ²) | 1,5 | | |
| 2.5.2 Year or period | 2012 | | |
| 2.5.3 Method used - habitat | Complete survey/Complete survey or a statistically robust estimate (3) | | |
| 2.5.4 a) Quality of habitat | Moderate | | |
| 2.5.4 b) Quality of habitat - method | The species requires fresh water supply/high humidity, a condition that is not in a favourable state in some sites of occurrence. Moreover, coastal areas with Phoenix stands face significant impact from human activities (mostly tourism). | | |
| 2.5.5 Short term trend period | 2001-2012 | | |
| 2.5.6 Short term trend direction | unknown (x) | | |
| 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) | |
| agricultural intensification (A02.01) | medium importance (M) | N/A | |
| non intensive grazing (A04.02) | medium importance (M) | N/A | |
| paths, tracks, cycling tracks (D01.01) | medium importance (M) | N/A | |
| reduction or loss of specific habitat features (J03.01) | medium importance (M) | N/A | |
| roads, motorways (D01.02) | low importance (L) | N/A | |
| car parks and parking areas (D01.03) | low importance (L) | N/A | |
| Trampling, overuse (G05.01) | low importance (L) | N/A | |

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|-----------------------------------|--------------------|-----|
| garbage and solid waste (H05.01) | low importance (L) | N/A |
| invasive non-native species (I01) | low importance (L) | N/A |
| fire and fire suppression (J01) | low importance (L) | N/A |
| Erosion (K01.01) | low importance (L) | N/A |

2.6.1 Method used – pressures based exclusively or to a larger extent on real data from sites/occurrences or other

2.7 Main Threats

| Threat | ranking | pollution qualifier(s) |
|---|-----------------------|------------------------|
| invasive non-native species (I01) | high importance (H) | N/A |
| agricultural intensification (A02.01) | medium importance (M) | N/A |
| non intensive grazing (A04.02) | medium importance (M) | N/A |
| paths, tracks, cycling tracks (D01.01) | medium importance (M) | N/A |
| reduction or loss of specific habitat features (J03.01) | medium importance (M) | N/A |
| garbage and solid waste (H05.01) | low importance (L) | N/A |
| fire and fire suppression (J01) | low importance (L) | N/A |
| Erosion (K01.01) | low importance (L) | 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

The species is erroneously reported in table 3.2 in the Standard Data Form of the SCI GR4340002. However it is not listed in table 3.2 in the Standard Data Form of the adjacent SCI GR4340015, where the species actually occurs. Probably there has been confusion in the tables of these 2 Natura 2000 sites. The species is erroneously reported in table 3.2 in the Standard Data Form of the SPA GR4340011. The plant species in this table match the ones reported in the Standard Data Form of the SCI GR4320006. The SCI GR4320006 includes the area of the SPA GR4340011, and probably there was a mistake in the completion of table 3.2.

Under the title “Invasive non-native species” in the field 2.7, as a high importance threat is signified the infection of Phoenix theophrasti plants by the red palm weevil (Rhynchophorus ferrugineus), which has caused severe damage so far to non-native palms planted in Crete.

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 Inadequate (U1)
qualifiers stable (=)

2.9.3. Habitat assessment Inadequate (U1)
qualifiers stable (=)

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|---|---|
| 2.9.4. Future prospects | assessment Inadequate (U1) qualifiers stable (=) |
| 2.9.5 Overall assessment of Conservation Status | Inadequate (U1) |
| 2.9.5 Overall trend in Conservation Status | stable (=) |

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

3.1 Population

| | | | | |
|---------------------------------------|--|---------------------------|-----|------|
| 3.1.1 Population Size | Unit | number of individuals (i) | | |
| | min | 6200 | max | 7200 |
| 3.1.2 Method used | Complete survey/Complete survey or a statistically robust estimate (3) | | | |
| 3.1.3 Trend of population size within | stable (0) | | | |

3.2 Conservation Measures

| 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) | Inside | Long term |
| Regulation/ Management of hunting and taking (7.1) | Legal | high importance (H) | Inside | Long term |
| Specific single species or species group management measures (7.4) | One-off | high importance (H) | Inside | Enhance |
| Establish protected areas/sites (6.1) | Legal One-off | high importance (H) | Inside | Long term |