

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

CODE: 2210

NAME: Crucianellion maritimae fixed beach dunes

1. National Level

1.1 Maps

1.1.1 Distribution Map

Yes

1.1.2 Distribution Method

Estimate based on partial data with some extrapolation and/or modelling (2)

1.1.3 Year or period

2005-2012

1.1.4 Additional map

No

1.1.5 Range Map

Yes

2. Biogeographical Or Marine Level

2.1 Biogeographical Region

Mediterranean (MED)

2.2 Published

The present Habitat assessment (fields 0.1-3.1) has been compiled by Pierangela Angelini (ISPRA). Published and unpublished data, information and experts' judgments have been provided by Edoardo Biondi, Liliana Zivkovic and Giovanni Spampinato (SBI).

Foggi B., Cartei L., Pignotti L., Signorini M.A., Viciani D., Dell'Olmo L. & Menicagli E., 2006. Il paesaggio vegetale dell'isola d'Elba (arcipelago Toscano). Studio di fitosociologia e cartografico. Fitosociologia 43(1)- suppl. 1: 3-95.

Foggi B., Cioffi V., Ferretti G., Dell'Olmo L., Viciani D., Lastrucci L., 2011. La vegetazione dell'Isola di Giannutri (Arcipelago Toscano, Grosseto). Fitosociologia 48(2): 23-44.

Viciani D., Albanesi D., Dell'Olmo L. & Foggi B., 2011. Contributo alla conoscenza della vegetazione dell'Isola di Gorgona (Arcipelago Toscano) (con carta in scala 1:5000). Fitosociologia 48(2): 45-64.

Angelini P., Augello R., Bianco P.M., Gennaio R., La Ghezza V., Lavarra P., Marrese M., Papallo O., Perrino V. M., Sani R., M. Stelluti. 2012. Carta degli habitat della Regione Puglia per il sistema informativo di Carta della Natura alla scala 1:50.000. ISPRA - Arpa Puglia

Biondi E, Blasi C, Burrascano S, Casavecchia S, Copiz R, Del Vico E, Galdenzi D, Gigante D, Lasen C, Spampinato G, Venanzoni R, Zivkovic L (2009a) Italian interpretation Manual of the habitats (92/43/EEC Directive). Ministero dell'Ambiente e della Tutela del Territorio e del Mare. <http://vnr.unipg.it/habitat/>
Blasi et al., 2010. La Vegetazione d'Italia con Carta delle Serie di Vegetazione in scala 1:500000. Palombi ed.

Camarda I., Carta L., Brunu A., Brundu G., Laureti L., Angelini P., Bagnaia R., 2011. Carta degli habitat della Regione Sardegna per il sistema informativo di Carta della Natura alla scala 1:50.000. Dipartimento di Scienze Botaniche Ecologiche e Geologiche dell'Università degli Studi di Sassari - ISPRA - Regione Sardegna

Casella L., Agrillo E., Bianco P.M., Cardillo A., Carbone M., Cattena C., Laureti L., Lugari A., Spada F., 2008. Carta degli habitat della Regione Lazio per il sistema informativo di Carta della Natura alla scala 1:50.000. ISPRA - Università degli Studi di Roma "La Sapienza" - Regione Lazio

ISPRA, 2011. Dati del sistema informativo di Carta della Natura alla scala 1:50.000.

ISPRA, Corine land cover 2006 IV livello. Dati della Rete del sistema Informativo Nazionale Ambientale - SINAnet

ISPRA, 2005. Dati del sistema informativo di Carta della Natura alla scala 1:50.000.

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

Papini F., Gianguzzi L., Brullo S., Bianco P. M., Angelini P., 2006. Carta degli habitat della Regione Sicilia per il sistema informativo di Carta della Natura alla scala 1:50.000. Dipartimento di Scienze Botaniche dell'Università degli Studi di Palermo - Dipartimento di Botanica dell'Università degli Studi di Catania -Regione Sicilia – ISPRA

Prisco I., Acosta A.T.R., Ercole S., 2012 - An overview of the italian coastal dune EU habitats. Ann. Bot. (Roma), 2: 39–48.

Minissale P., Sciandrello S., Scuderi L., Spampinato G., 2010. Gli ambienti costieri della Sicilia meridionale. Escursione della Società Italiana di Scienza della Vegetazione (14-18 aprile 2010). Bonanno Editore.

Prisco I., Acosta A.T.R., Ercole S., 2012. An overview of the Italian coastal dune EU habitats. Ann. Bot. 2: 39-48.

2.3 Range of the habitat type in the biogeographical region or marine region

2.3.1 Surface area - Range (km ²)	21100
2.3.2 Range method used	Estimate based on partial data with some extrapolation and/or modelling (2)
2.3.3 Short-term trend period	2001-2012
2.3.4 Short-term trend direction	decrease (-)
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 much more than (>>) unkown No method
2.3.10 Reason for change	Improved knowledge/more accurate data Use of different method

2.4 Area covered by Habitat

2.4.1 Surface area (km ²)	44,39
2.4.2 Year or period	2005-2012
2.4.3 Method used	Estimate based on partial data with some extrapolation and/or modelling (2)
2.4.4 Short-term trend period	2001-2012
2.4.5 Short-term trend direction	decrease (-)
2.4.6 Short-term trend magnitude	min max
2.4.7 Short term trend method used	Estimate based on expert opinion with no or minimal sampling (1)
2.4.8 Long-term trend period	
2.4.9 Long-term trend direction	N/A
2.4.10 Long-term trend magnitude	min max
2.4.11 Long term trend method used	N/A
2.4.12 Favourable reference area	area (km) operator much more than (>>) unknown No method
2.4.13 Reason for change	Improved knowledge/more accurate data Use of different method

2.5 Main Pressures

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

Pressure	ranking	pollution qualifier(s)
roads, motorways (D01.02)	high importance (H)	N/A
burning down (J01.01)	medium importance (M)	N/A
Trampling, overuse (G05.01)	medium importance (M)	N/A
artificial planting on open ground (non-native trees) (B01.02)	low importance (L)	N/A
discontinuous urbanisation (E01.02)	high importance (H)	N/A
Discharges (E03)	medium importance (M)	N/A
Soil pollution and solid waste (excluding discharges) (H05)	medium importance (M)	N/A
motorised vehicles (G01.03)	medium importance (M)	N/A
Sand and gravel extraction (C01.01)	medium importance (M)	N/A
Cultivation (A01)	medium importance (M)	N/A
invasive non-native species (I01)	medium importance (M)	N/A
Erosion (K01.01)	medium importance (M)	N/A

2.5.1 Method used – pressures

mainly based on expert judgement and other data (2)

2.6 Main Threats

Threat	ranking	pollution qualifier(s)
roads, motorways (D01.02)	medium importance (M)	N/A
burning down (J01.01)	medium importance (M)	N/A
Trampling, overuse (G05.01)	medium importance (M)	N/A
discontinuous urbanisation (E01.02)	medium importance (M)	N/A
Discharges (E03)	medium importance (M)	N/A
Soil pollution and solid waste (excluding discharges) (H05)	medium importance (M)	N/A
artificial planting on open ground (non-native trees) (B01.02)	medium importance (M)	N/A
motorised vehicles (G01.03)	medium importance (M)	N/A
Sand and gravel extraction (C01.01)	medium importance (M)	N/A
Cultivation (A01)	medium importance (M)	N/A
invasive non-native species (I01)	medium importance (M)	N/A
Erosion (K01.01)	medium importance (M)	N/A

2.6.1 Method used – threats

expert opinion (1)

2.7 Complementary Information

2.7.1 Species

Crucianella maritima
Pancratium maritimum
Pycnocomon rutifolium
Helichrysum stoechas
Helichrysum italicum
Helichrysum microphyllum subsp. tyrrhenicum
Ephedra distachya
Schrophularia ramosissima

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

Armeria pungens

Seseli tortuosum

Anchusa crispa

Rouya polygama

Ononis ramosissima

Astragalus thermensis

Linaria cossonii

Silene velutina

Anchusa crispa ssp. Maritima

2.7.2 Species method used

List from field "combinazione fisionomica di riferimento" of habitat's form in: Manuale Italiano di Interpretazione degli Habitat (Biondi et al., 2009; <http://vnr.unipg.it/habitat/>)

2.7.3 Justification of % - thresholds for trends

2.7.4 Structure and functions - methods used

Estimate based on expert opinion with no or minimal sampling (1)

2.7.5 Other relevant information

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

2.8.1 Range

assessment Bad (U2)
qualifiers N/A

2.8.2 Area

assessment Bad (U2)
qualifiers N/A

2.8.3 Specific structures and functions (incl Species)

assessment Bad (U2)
qualifiers N/A

2.8.4 Future prospects

assessment Bad (U2)
qualifiers N/A

2.8.5 Overall assessment of Conservation Status

Bad (U2)

2.8.5 Overall trend in Conservation Status

declining (-)

3. Natura 2000 coverage conservation measures - Annex I habitat types on biogeographical level

3.1 Area covered by habitat

3.1.1 Surface area (km²)

min 16,80699 max 16,80699

3.1.2 Method used

Complete survey/Complete survey or a statistically robust estimate (3)

3.1.3. Trend of surface area

N/A

3.2 Conversation Measures

3.2.1 Measure

3.2.2 Type

3.2.3 Ranking

3.2.4 Location

3.2.5 Broad Evaluation

Restoring coastal areas (4.4)

Recurrent
One-off

high importance (H)

Both

Maintain
Enhance
Long term

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

Establish protected areas/sites (6.1)	Administrative	medium importance (M)	Both	Maintain Enhance Long term
Legal protection of habitats and species (6.3)	Administrative	high importance (H)	Inside	Maintain Enhance Long term