

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

| | |
|---|------------------------------|
| 0.1 Member State | IT |
| 0.2.1 Species code | 1642 |
| 0.2.2 Species name | Limonium pseudolaetum |
| 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 | Estimate based on partial data with some extrapolation and/or modelling (2) |
| 1.1.3 Year or period | 2012 |
| 1.1.4 Additional map | No |
| 1.1.5 Range map | Yes |

2. Biogeographical Or Marine Level

2.1 Biogeographical Region

2.2 Published sources

Mediterranean (MED)

The present species assessment (fields 0.1-2.9) has been compiled by Stefania Ercole and Valeria Giacanelli (Institute for Environmental Protection and Research - ISPRA). Information, unpublished data and experts' judgments have been provided by: Gianni Bacchetta (University of Cagliari) and Giuseppe Fenu (University of Cagliari).

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BACCHETTA G., 2001 – *Limonium pseudolaetum* Arrigoni et Diana. In: PIGNATTI S., MENEGONI P., GIACANELLI V. (eds.), Liste rosse e blu della flora italiana. ANPA. Roma.

BACCHETTA G., FARRIS E., PONTECORVO C. 2012. A new method to set conservation priorities in biodiversity hotspots. Plant Biosystems, 146(3): 638-648.

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Gli habitat terrestri costieri e litorali della Sardegna settentrionale: verifica della loro attribuzione sintassonomica ai sensi della Direttiva 43/92/CEE "Habitat". Fitosociologia, 44(1): 165-180.

FENU G., BACCHETTA G., 2008 – La flora vascolare della Penisola del Sinis (Sardegna Occidentale). Acta Bot. Malacit., 33: 91–124.

FENU G., COGONI D., BACCHETTA G., 2012. Limonium pseudolaetum Arrigoni et Diana. Inf. Bot. Ital. 44(2): 446-448.

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ROSSI G., MONTAGNANI C., GARGANO D., PERUZZI L., ABELI T., RAVERA S., COGONI A., FENU G., MAGRINI S., GENNAI M., FOGGI B., WAGENSOMMER R.P., VENTURELLA G., BLASI C., RAIMONDO F.M., ORSENIGO S. (Eds.), 2013 - Lista Rossa della Flora Italiana. 1. Policy Species e altre specie minacciate. Comitato Italiano IUCN; Ministero dell'Ambiente e della Tutela del Territorio e del Mare.

SCOPPOLA A., SPAMPINATO G. (eds.), 2005 - Atlante delle specie a rischio di estinzione. Versione 1.0. CD-Rom enclosed to the volume: SCOPPOLA A., BLASI C. (eds.), Stato delle conoscenze sulla flora vascolare d'Italia. Palombi Editori. Roma.

SOCIETÀ BOTANICA ITALIANA, 2012. Valutazione nazionale della categoria di rischio di estinzione per specie vegetali di pregio e di interesse conservazionistico. Ministero dell'Ambiente e della Tutela del Territorio e del Mare, Società Botanica Italiana (dati inediti).

2.3 Range

| | |
|---|--|
| 2.3.1 Surface area - Range (km ²) | 200 |
| 2.3.2 Method - Range surface area | 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 | 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 (≈) unknown No method Expert judgment |
| 2.3.10 Reason for change | Use of different method |

2.4 Population

| | | |
|---|------|-----------------------------------|
| 2.4.1 Population size (individuals or agreed exception) | Unit | N/A |
| | min | max |
| 2.4.2 Population size (other than individuals) | Unit | number of localities (localities) |
| | min | 6 max 6 |

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| | | | | |
|--|---|---|---------------------|--|
| 2.4.3 Additional information | Definition of locality | localities= sites where the presence of the species is confirmed | | |
| | Conversion method | | | |
| | Problems | no data available for the number of individuals | | |
| 2.4.4 Year or period | 2002-2012 | Estimate based on partial data with some extrapolation and/or modelling (2) | | |
| 2.4.5 Method – population size | | | | |
| 2.4.6 Short-term trend period | 2002-2012 | | | |
| 2.4.7 Short term trend direction | decrease (-) | | | |
| 2.4.8 Short-term trend magnitude | min | max | confidence interval | |
| 2.4.9 Short-term trend method | Estimate based on partial data with some extrapolation and/or modelling (2) | | | |
| 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 | approximately equal to (≈) | | |
| | unknown | No | | |
| | method | Expert judgment | | |
| 2.4.15 Reason for change | Use of different method | | | |

2.5 Habitat for the Species

| | |
|---|------------------------------|
| 2.5.1 Surface area - Habitat (km ²) | |
| 2.5.2 Year or period | |
| 2.5.3 Method used - habitat | Absent data (0) |
| 2.5.4 a) Quality of habitat | Moderate |
| 2.5.4 b) Quality of habitat - method | Monitoring and Expert based. |
| 2.5.5 Short term trend period | 2002-2012 |
| 2.5.6 Short term trend direction | decrease (-) |
| 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) | |
| 2.5.10 Reason for change | |

2.6 Main Pressures

| Pressure | ranking | pollution qualifier(s) |
|--|-----------------------|------------------------|
| Urbanised areas, human habitation (E01) | high importance (H) | N/A |
| Roads, paths and railroads (D01) | high importance (H) | N/A |
| car parks and parking areas (D01.03) | medium importance (M) | N/A |
| Outdoor sports and leisure activities, recreational activities (G01) | medium importance (M) | N/A |
| off-road motorized driving (G01.03.02) | medium importance (M) | N/A |
| garbage and solid waste (H05.01) | 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 oth |
|-------------------------------|--|

2.7 Main Threats

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| Threat | ranking | pollution qualifier(s) |
|--|-----------------------|------------------------|
| invasive non-native species (I01) | medium importance (M) | N/A |
| Urbanised areas, human habitation (E01) | high importance (H) | N/A |
| Outdoor sports and leisure activities, recreational activities (G01) | medium importance (M) | 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 1) Italian Red List (2013): VU. Assessment criteria: A2 (ac)

Published in:

FENU G., COGONI D., BACCHETTA G., 2012. Limonium pseudolaetum Arrigoni et Diana. Inf. Bot. Ital. 44(2): 446-448.

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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 unknown (x)

2.9.3. Habitat assessment Inadequate (U1)
qualifiers declining (-)

2.9.4. Future prospects assessment Inadequate (U1)
qualifiers declining (-)

2.9.5 Overall assessment of Conservation Status Inadequate (U1)

2.9.5 Overall trend in Conservation Status declining (-)

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

3.1 Population

3.1.1 Population Size Unit N/A
min max

3.1.2 Method used Absent data (0)

3.1.3 Trend of population size within N/A

3.2 Conversation Measures

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| 3.2.1 Measure | 3.2.2 Type | 3.2.3 Ranking | 3.2.4 Location | 3.2.5 Broad Evaluation |
|---|------------|---------------|----------------|------------------------|
| No measure known/ impossible to carry out specific measures (1.3) | | () | | |

Species name: Limonium pseudolaetum (1642)

| Field label | Note | User |
|------------------------|--|-----------------|
| 1.1.1 Distribution Map | <p>Data sources:</p> <p>SOCIETÀ BOTANICA ITALIANA, 2012. Valutazione nazionale della categoria di rischio di estinzione per specie vegetali di pregio e di interesse conservazionistico. Ministero dell'Ambiente e della Tutela del Territorio e del Mare, Società Botanica Italiana (dati inediti).</p> <p>FENU G., COGONI D., BACCHETTA G., 2012. Limonium pseudolaetum Arrigoni et Diana. Inform. Bot. Ital. 44(2): 446-448.</p> <p>REGIONE AUTONOMA SARDEGNA, Ass. Difesa Ambiente, SAVI - 2008/2009 - Realizzazione della rete di monitoraggio dello stato di conservazione degli habitat e delle specie di interesse comunitario della Sardegna.</p> | ISPRA_F LORA |

Species name: Limonium pseudolaetum (1642) Region code: MED

| Field label | Note | User |
|--|---|-----------------|
| 2.5.6 Short term trend direction | I dati puntuali, raccolti dal 2002 ad oggi, evidenziano una riduzione delle dimensioni della popolazione complessiva pari a circa il 30% del totale, sulla base sia delle osservazioni dirette che del declino della superficie occupata e della qualità dell'habitat. Da: FENU G., COGONI D., BACCHETTA G., 2012. Limonium pseudolaetum Arrigoni et Diana. Inf. Bot. Ital. 44(2): 446-448. | ISPRA_F LORA |
| 2.4.7 Short term trend direction | I dati puntuali, raccolti dal 2002 ad oggi, evidenziano una riduzione delle dimensioni della popolazione complessiva pari a circa il 30% del totale. Da: FENU G., COGONI D., BACCHETTA G., 2012. Limonium pseudolaetum Arrigoni et Diana. Inf. Bot. Ital. 44(2): 446-448. | ISPRA_F LORA |
| 2.4.2a Population size (other than individuals) - Unit | Source: FENU G., COGONI D., BACCHETTA G., 2012. Limonium pseudolaetum Arrigoni et Diana. Inf. Bot. Ital. 44(2): 446-448. | ISPRA_F LORA |