

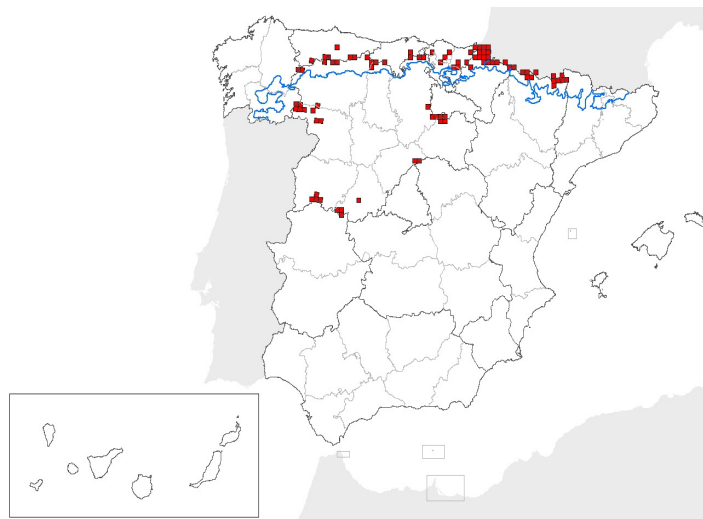
Report on the main results of the surveillance under article 11 for annex II, IV and V species (Annex B)

Lycopodium sp.

1. National level

Biogeographical regions and/or marine regions concerned within the Member State: **ALP ATL MED**

map-distribution



2. Biogeographical or marine level

2.1 Biogeographical region or marine region: **ALPINE**

2.2 Published sources and/or websites:

<http://www.ipe.csic.es/floragon>

Gómez, N. & Sanz G. (2006) Gestión de Flora amenazada en Aragón, 2006. SODEMASA. Informe inédito para el Gobierno de Aragón.

LORDA, M. 2001. Flora del Pirineo navarro. Guineana 7: 1-557.

2.3 Range of the species type in the biogeographic region or marine region

2.3.1 Surface area of species range in km2: 1168,34

2.3.2 Date of range determination: 2006

2.3.3 Quality of data concerning range: Moderate e.g. based on partial data with some extrapolation

2.3.4 Range trend: Unknown (X)

2.3.5 Range trend magnitude in km2 (optional):

2.3.6 Range trend period:

2.3.7 Reasons for reported trend:

and/or specify

2.4 Population of the species in the biogeographic region or marine region

2.4.1 Population size estimation:

| Population size estimation (minimum) | Population size estimation (maximum) | Population units |
|--------------------------------------|--------------------------------------|------------------|
|--------------------------------------|--------------------------------------|------------------|

2.4.2 Date of population estimation:

2.4.3 Methods used for population estimation:

2.4.4 Quality of data on area:

2.4.5 Population trend:

2.4.6 Population trend magnitude (km2):

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| | |
|--|---|
| 2.4.7 Population trend period: | |
| 2.4.8 Reasons for reported trend: | Not applicable |
| and/or specify: | |
| 2.4.9 Justification of % thresholds for trends (optional): | |
| 2.4.10 Main pressures: | 140 Grazing 502 - roads, motorways 602 - skiing complex 604 - circuit, track 622 - walking, horseriding and non-motorised vehicles 990 Other natural processes |
| 2.4.11 Threats | 140 Grazing 502 - roads, motorways 602 - skiing complex 604 - circuit, track 622 - walking, horseriding and non-motorised vehicles 990 Other natural processes |

2,5 Habitat for the species in the biogeographic region or marine region

| | |
|-----------------------------------|--|
| 2.5.1 Habitats for the species: | En claros de pinar de Pinus uncinata , matorral de ericaceas (Rhododendron ferr |
| 2.5.2 Area estimation (km2): | |
| 2.5.3 Date of estimation: | |
| 2.5.4 Quality of the data: | |
| 2.5.5 Trend of the habitat: | |
| 2.5.6 Trend period: | |
| 2.5.7 Reasons for reported trend: | NotApplicable |
| Other (specify): | |

2.6 Future prospects for the species: Poor prospects - species likely to struggle unless conditions change

2.7 Complementary information

| | |
|---|---|
| 2.7.1 Favourable reference range (km2): | |
| 2.7.2 Favourable reference population: | 0 |
| 2.7.3 Suitable habitat for the species (km2): | |
| 2.7.4 Other relevant information (optional): | |

| Conclusion | Biogeographical or marine level | Conclusions within Natura 2000 sites (optional) |
|---|---------------------------------|---|
| Conclusions: (2.3) Range: | Unknown (XX) | |
| Conclusions: (2.4) Population: | Unknown (XX) | |
| Conclusions: (2.5) Habitat for the species: | Unknown (XX) | |
| Conclusions: (2.6) Future prospects: | Unknown (XX) | |
| Conclusions: Overall assessment: | Unknown (XX) | |

2.1 Biogeographical region or marine region: ATLANTIC

2.2 Published sources and/or websites:

BALDA, A. 2002. Contribuciones al conocimiento de la flora Navarra. Munibe 53: 157-174.

<http://www.anthos.es/>

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2.3 Range of the species type in the biogeographic region or marine region

| | |
|--|--|
| 2.3.1 Surface area of species range in km2: | 3883,66 |
| 2.3.2 Date of range determination: | 2006-2007 |
| 2.3.3 Quality of data concerning range: | Moderate e.g. based on partial data with some extrapolation |
| 2.3.4 Range trend: | Unknown (X) |
| 2.3.5 Range trend magnitude in km2 (optional): | |
| 2.3.6 Range trend period: | 1957-2007 |
| 2.3.7 Reasons for reported trend: | Direct human influence (restoration, deterioration, destruction) and/or specify |

2.4 Population of the species in the biogeographic region or marine region

| | | | |
|--|---|--------------------------------------|----------------------|
| 2.4.1 Population size estimation: | Population size estimation (minimum) | Population size estimation (maximum) | Population units |
| | 44 | | Number of localities |
| 2.4.2 Date of population estimation: | 2006-2007 | | |
| 2.4.3 Methods used for population estimation: | From comprehensive inventory Extrapolation from surveys of part of the population or from sampling | | |
| 2.4.4 Quality of data on area: | Moderate e.g. based on partial data with some extrapolation | | |
| 2.4.5 Population trend: | Unknown (X) | | |
| 2.4.6 Population trend magnitude (km2): | | | |
| 2.4.7 Population trend period: | 1956-2007 | | |
| 2.4.8 Reasons for reported trend: | and/or specify: | | |
| 2.4.9 Justification of % thresholds for trends (optional): | | | |
| 2.4.10 Main pressures: | 140 Grazing 170 Animal breeding 180 Burning 501 - paths, tracks, cycling tracks 720 Trampling, overuse 800 Landfill, land reclamation and drying out, general | | |
| 2.4.11 Threats | 140 Grazing 170 Animal breeding 180 Burning 501 - paths, tracks, cycling tracks 720 Trampling, overuse 800 Landfill, land reclamation and drying out, general 810 Drainage 850 Modification of hydrographic functioning, general 920 Drying out | | |

2,5 Habitat for the species in the biogeographic region or marine region

| | |
|---------------------------------|---|
| 2.5.1 Habitats for the species: | Áreas de brezales o pastos con elevadas precipitaciones |
| 2.5.2 Area estimation (km2): | 180,67 |
| 2.5.3 Date of estimation: | 2006 |
| 2.5.4 Quality of the data: | Moderate e.g. based on partial data with some extrapolation |
| 2.5.5 Trend of the habitat: | Unknown (X) |

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2.5.6 Trend period: 1957-2006

2.5.7 Reasons for reported trend: DirectHuman

Other (specify):

2.6 Future prospects for the species: Unknown

2.7 Complementary information

2.7.1 Favourable reference range (km2):

2.7.2 Favourable reference population:

2.7.3 Suitable habitat for the species (km2):

2.7.4 Other relevant information (optional):

| Conclusion | Biogeographical or marine level | Conclusions within Natura 2000 sites (optional) |
|---|---------------------------------|---|
| Conclusions: (2.3) Range: | Unknown (XX) | |
| Conclusions: (2.4) Population: | Unknown (XX) | |
| Conclusions: (2.5) Habitat for the species: | Unknown (XX) | |
| Conclusions: (2.6) Future prospects: | Unknown (XX) | |
| Conclusions: Overall assessment: | Unknown (XX) | |

2.1 Biogeographical region or marine region: **MEDITERRANEAN**

2.2 Published sources and/or websites:

Sin especificar

2.3 Range of the species type in the biogeographic region or marine region

2.3.1 Surface area of species range in km2: 400

2.3.2 Date of range determination:

2.3.3 Quality of data concerning range:

2.3.4 Range trend:

2.3.5 Range trend magnitude in km2 (optional):

2.3.6 Range trend period:

2.3.7 Reasons for reported trend: Not applicable

and/or specify

2.4 Population of the species in the biogeographic region or marine region

2.4.1 Population size estimation:

| Population size estimation (minimum) | Population size estimation (maximum) | Population units |
|--------------------------------------|--------------------------------------|------------------|
|--------------------------------------|--------------------------------------|------------------|

2.4.2 Date of population estimation:

2.4.3 Methods used for population estimation:

2.4.4 Quality of data on area:

2.4.5 Population trend:

2.4.6 Population trend magnitude (km2):

2.4.7 Population trend period:

2.4.8 Reasons for reported trend: Not applicable

and/or specify:

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2.4.9 Justification of % thresholds for trends (optional):

2.4.10 Main pressures:

2.4.11 Threats

2,5 Habitat for the species in the biogeographic region or marine region

2.5.1 Habitats for the species:

2.5.2 Area estimation (km2):

2.5.3 Date of estimation:

2.5.4 Quality of the data:

2.5.5 Trend of the habitat:

2.5.6 Trend period:

2.5.7 Reasons for reported trend: NotApplicable

Other (specify):

2.6 Future prospects for the species:

2.7 Complementary information

2.7.1 Favourable reference range (km2):

2.7.2 Favourable reference population: 0

2.7.3 Suitable habitat for the species (km2):

2.7.4 Other relevant information (optional):

| Conclusion | Biogeographical or marine level | Conclusions within Natura 2000 sites (optional) |
|---|---------------------------------|---|
| Conclusions: (2.3) Range: | Unknown (XX) | |
| Conclusions: (2.4) Population: | Unknown (XX) | |
| Conclusions: (2.5) Habitat for the species: | Unknown (XX) | |
| Conclusions: (2.6) Future prospects: | Unknown (XX) | |
| Conclusions: Overall assessment: | Unknown (XX) | |