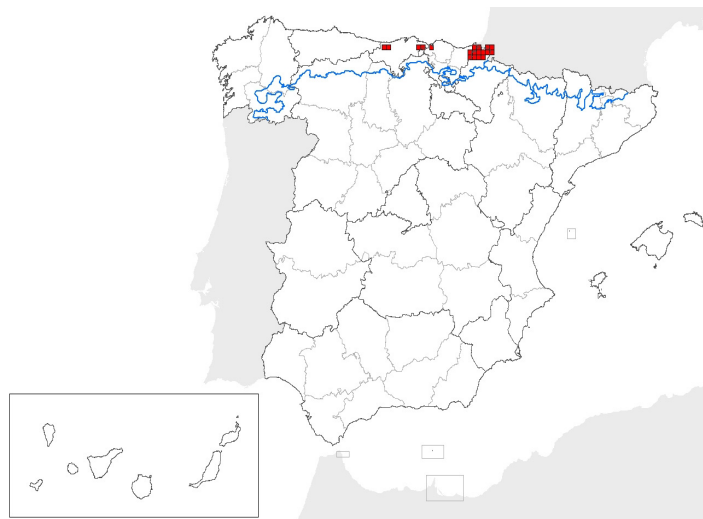


## Soldanella villosa

### 1. National level

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

map-distribution



### 2. Biogeographical or marine level

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

Gobierno de Cantabria (2006): Propuesta del Catálogo Regional de Especies de Flora Amenazadas y de interés especial. Informe inédito de la Consejería de Ganadería, Agricultura y Pesca del Gobierno de Cantabria.

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

- 2.3.1 Surface area of species range in km<sup>2</sup>: 1601,6
- 2.3.2 Date of range determination: 2006
- 2.3.3 Quality of data concerning range: Good e.g based on extensive surveys
- 2.3.4 Range trend: Stable (=)
- 2.3.5 Range trend magnitude in km<sup>2</sup> (optional):
- 2.3.6 Range trend period: 1957-2006
- 2.3.7 Reasons for reported trend: Improved knowledge/more accurate data  
Natural processes

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
18		Number of localities

- 2.4.2 Date of population estimation: 2006
- 2.4.3 Methods used for population estimation: From comprehensive inventory  
Based on expert opinion  
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: Stable (=)

# Soldanella villosa

2.4.6 Population trend magnitude (km2):	
2.4.7 Population trend period:	1950-2006
2.4.8 Reasons for reported trend:	Improved knowledge/more accurate data Indirect anthropo(zoo)genic influence
and/or specify:	
2.4.9 Justification of % thresholds for trends (optional):	
2.4.10 Main pressures:	140 Grazing 160 General Forestry management 180 Burning 190 Agriculture and forestry activities not referred to above 811 - management of aquatic and bank vegetation for drainage purposes 890 Other human induced changes in hydraulic conditions 940 Natural catastrophes
2.4.11 Threats	190 Agriculture and forestry activities not referred to above 811 - management of aquatic and bank vegetation for drainage purposes 890 Other human induced changes in hydraulic conditions 940 Natural catastrophes

## 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):	944,26
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:	Stable (=)
2.5.6 Trend period:	1957-2006
2.5.7 Reasons for reported trend:	
Other (specify):	

2.6 Future prospects for the species:	Good prospects - species expected to survive and prosper
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## 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:	Bad but improving (U2+)	
Conclusions: (2.6) Future prospects:	Unknown (XX)	
Conclusions: Overall assessment:	Unknown (XX)	