

# In situ conservation actions for the endangered plants in Cap de Creus Natural Park (north-eastern Iberian peninsula)



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## STUDY SITE: CAP DE CREUS NATURAL PARK

Cap de Creus is the ending of the Pyrenees mountain range near the sea. It presents a mixture of siliceous and calcareous soils. Mediterranean coastal protected area mainly with rocky and shrubland vegetation.

We also find patches of other different types of communities: forests, cliffs and meadows.

Cap de Creus situation by the sea, the winds and the type of rocks, create a particular natural environment difficult to find in the anthropized Mediterranean coast.



## PROTECTED PLANT SPECIES

A total of 27 protected plant species in the natural park: 2 lichens, 2 bryophytes, 5 ferns, and 18 phanerogams (3 of which are marine).

18 of these taxa are included in the catalogue of threatened flora of Catalonia, and 6 in the Spanish catalogue of threatened species. Only the endemism of the cap de Creus area, *Seseli farrenyi*, has a draft of the recovery plan.

Species listed as "in danger of extinction" are the following (the rest of the species are listed as "Vulnerable").



*Seseli farrenyi*



*Erodium foetidum ssp foetidum*



*Asplenium marinum*

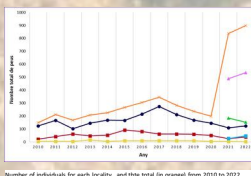


*Asplenium trichomanes ssp inexpectans*

## RESULTS AND CONSERVATION ACTIONS

The presented results are fruit of the work of an interdisciplinary team of researchers and managers of natural protected areas and flora.

*Seseli farrenyi*  
Strict endemism



- Annual monitoring of its natural populations and demography since 2010 to 2023.
- Obtaining and preserving seeds ex situ.
- Ex situ germination and planting.
- In situ translocation actions: planting seeds and seedlings.



*Erodium foetidum ssp foetidum, Asplenium trichomanes ssp inexpectans, Asplenium marinum*



- Elimination of invasive alien flora in order to improve habitat conservation.
- Education and divulgation actions



## ACKNOWLEDGMENTS

