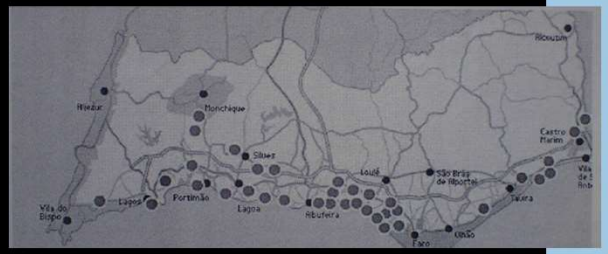
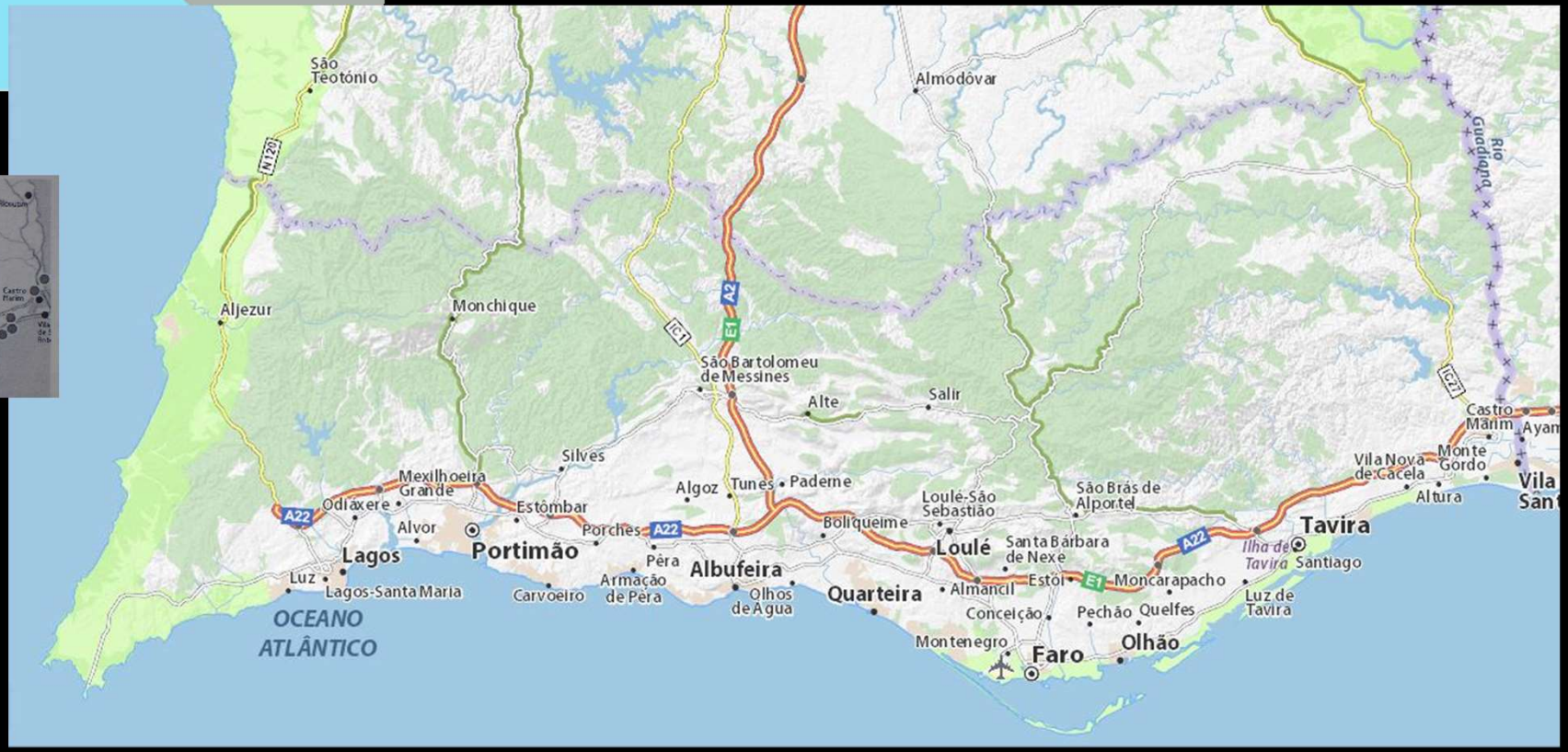
Voyage botanique en Algarve (novembre-décembre 2018)

Frédéric Andrieu – SHHNH, avril 2020

De l'arabe : al-gharb = l'ouest
Alentejo au nord, Andalousie à l'est séparée par le Rio Guadiana
Capitale administrative : Faro
5000 km², 150 x 50 km
Point culminant : Pico da Foia (902 m), Serra de Monchique
450 000 habitants, près de 3 000 000 de touristes en été



Plus de 35 golfs !



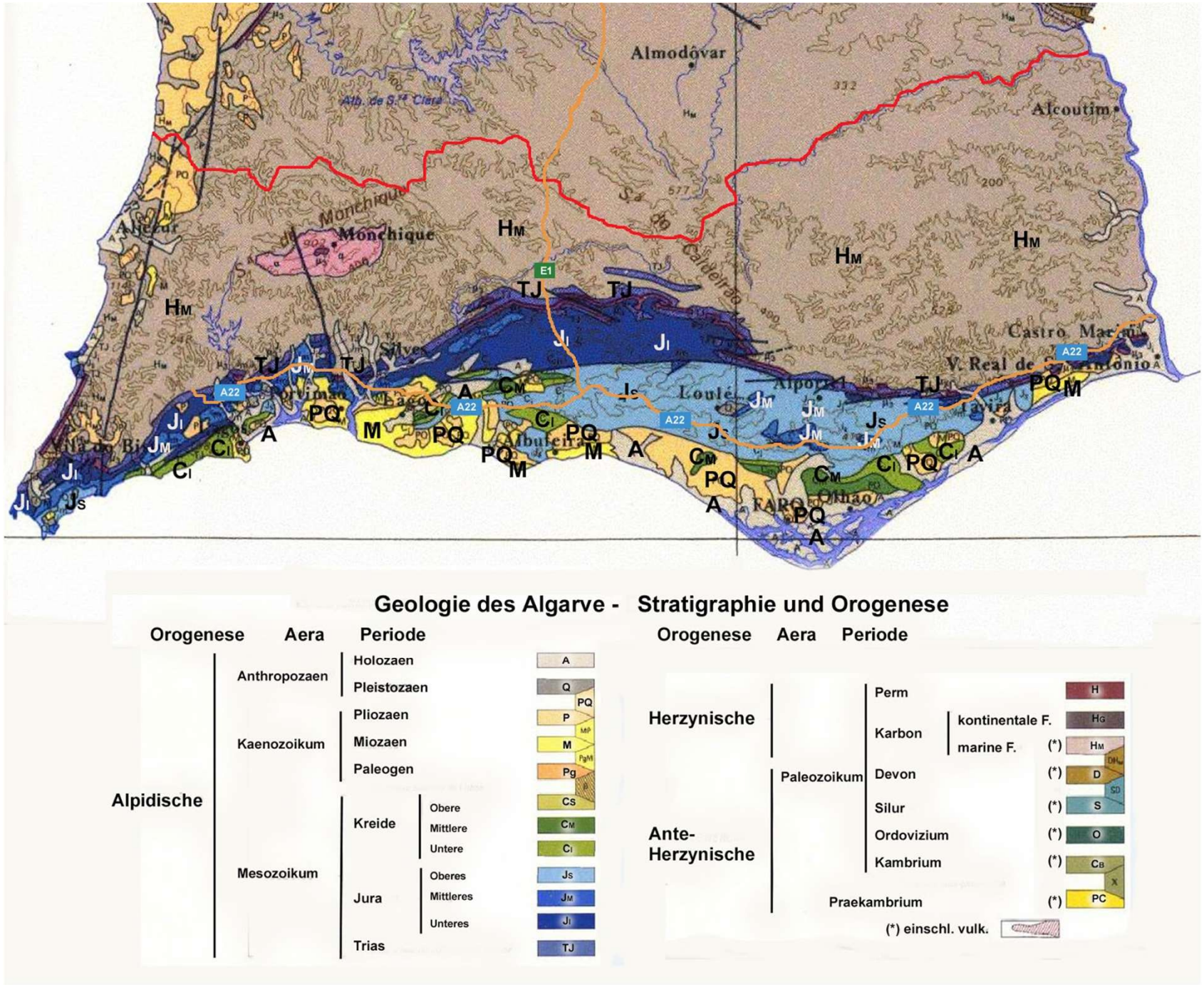
Géologie :

- moitié nord : Carbonifère (schistes)

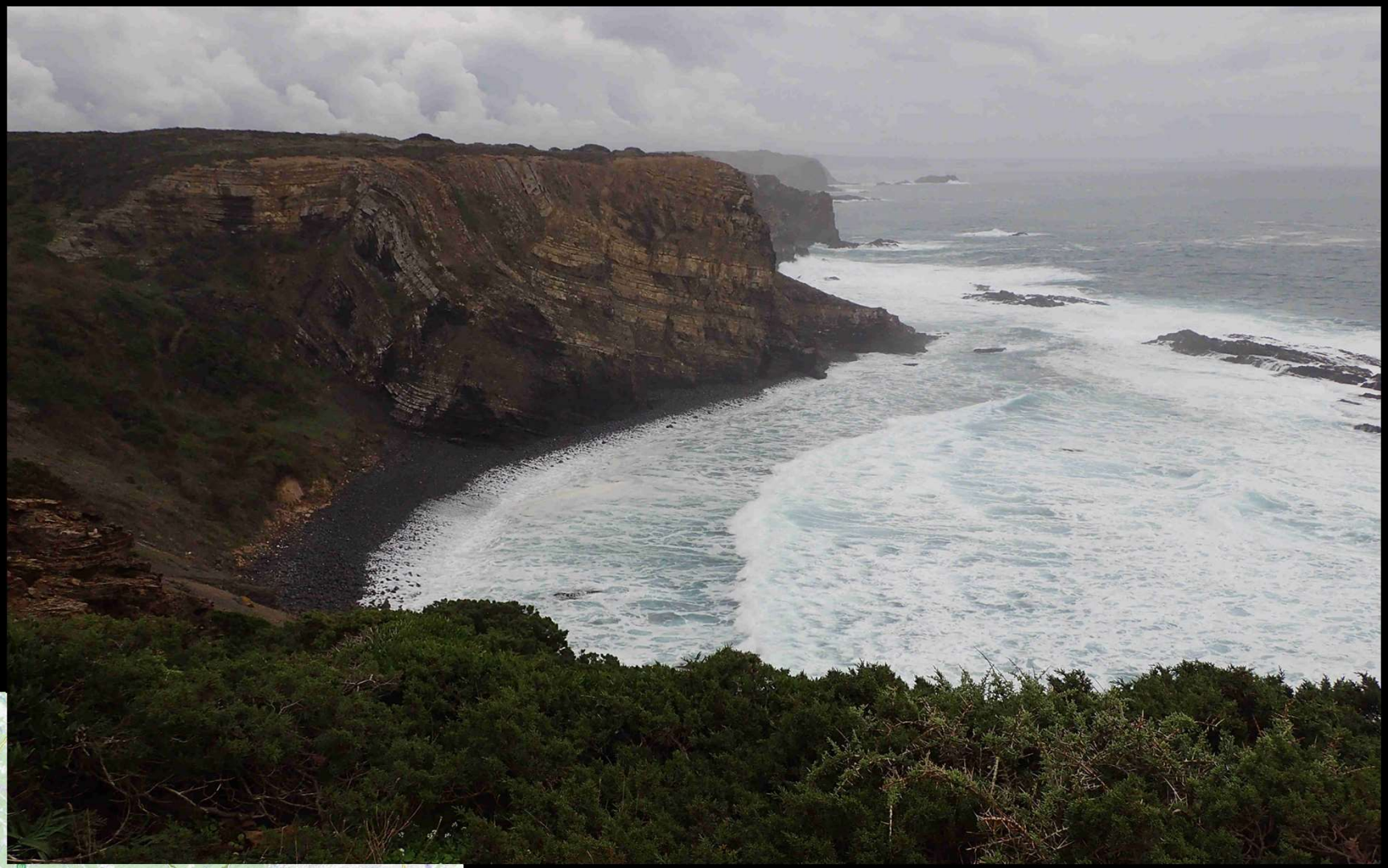
- du cap Sâo Vicente aux collines en arrière du littoral : Jurassique (calcaires, marnes, grès...)

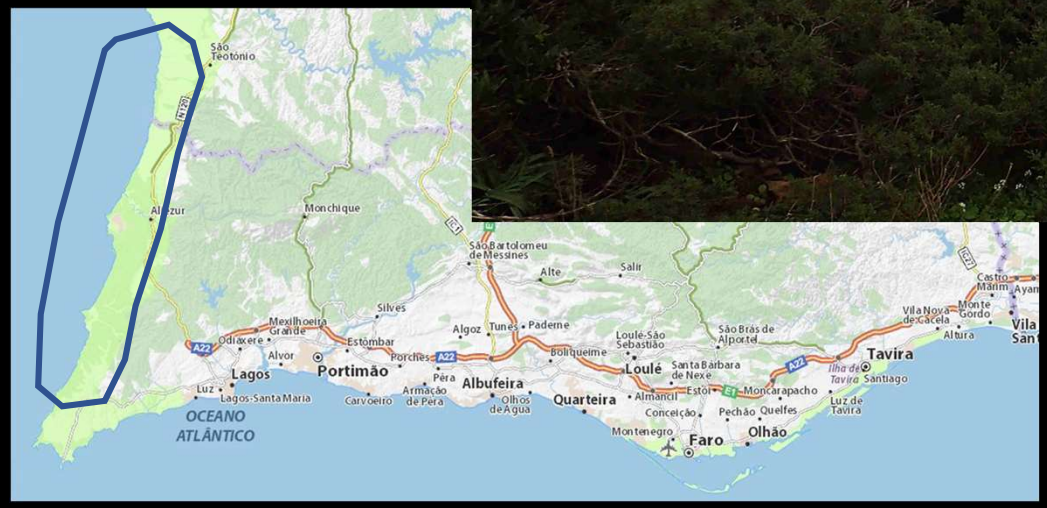
- Frange littorale sud : Crétacé + Tertiaire (calcaires, marnes, grès...)

- Littoral sud-est : Quaternaire (limons, vases)



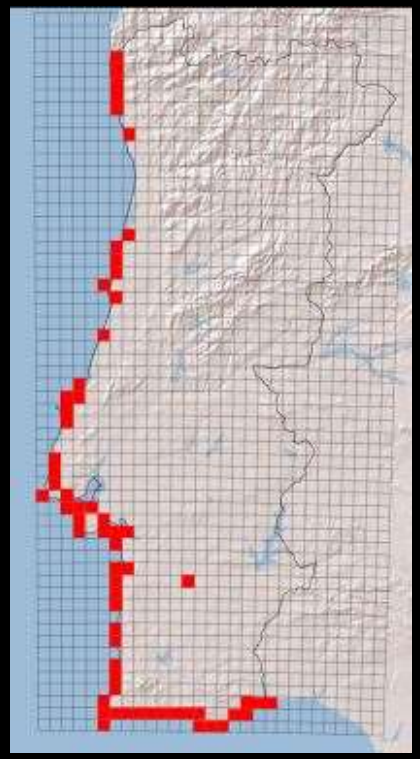
La cote ouest : Cote Vicentine

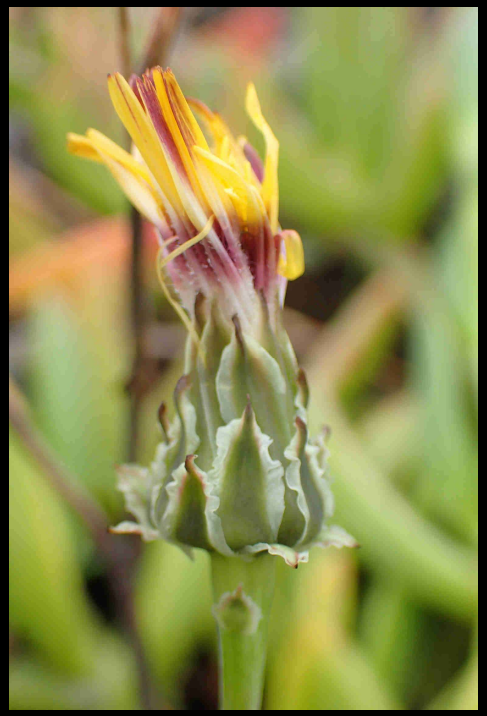




***Reichardia gaditana* (Willk.) Cout.**

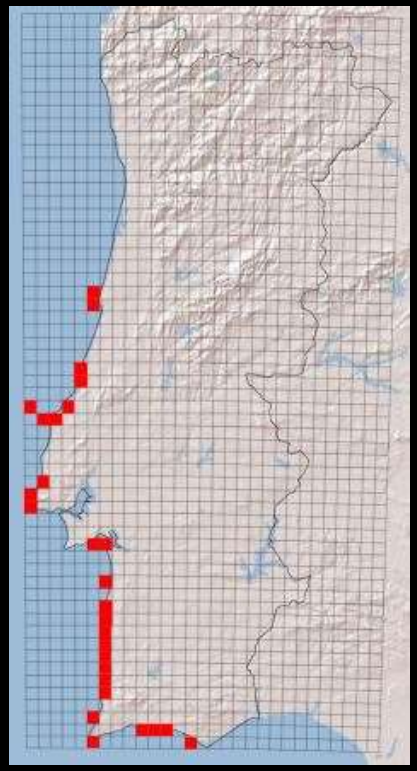
Ouest méditerranéen
Pelouses et rochers littoraux





Calendula suffruticosa subsp. *algarbiensis* (Boiss.) Nyman

Groupe complexe
Endémique du Portugal (ou ibérique ?)
Pelouses et rochers littoraux



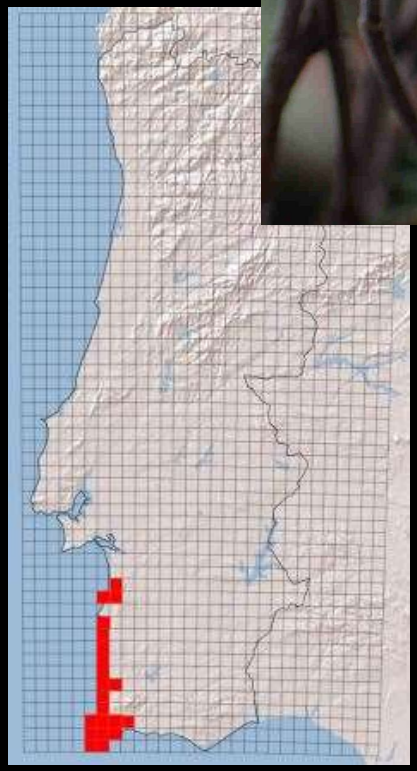
Calendula suffruticosa subsp. *lusitanica* (Boiss.) Ohle

Endémique du Portugal
Pelouses et rochers littoraux

Sables soufflés formant des systèmes dunaires sur le plateau en arrière de la falaise.
Formations de pelouses et fourrés d’arrière dune

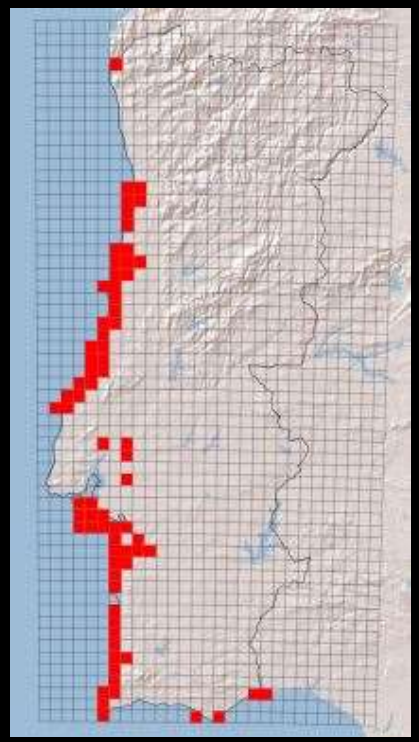
Thymus camphoratus Hoffmanns. & Link

Endémique du Portugal
Maquis et pelouses sableuses littoraux



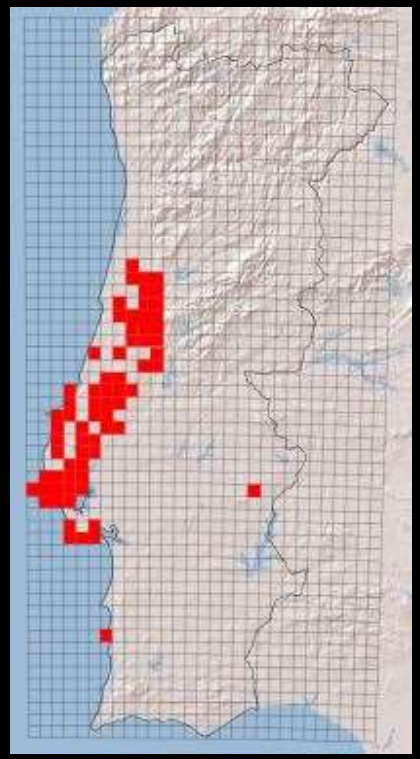
Corema album (L.) D. Don

Endémique des Açores et d'Ibérie
Maquis et garrigues littoraux



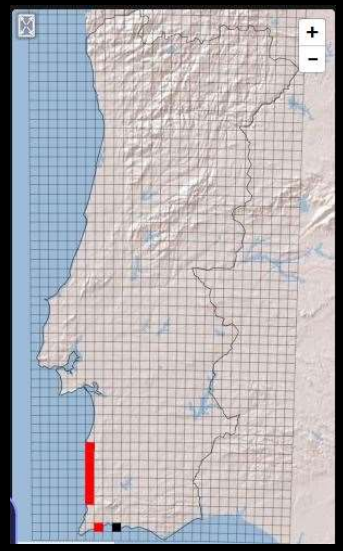
***Antirrhinum linkianum* Boiss. & Reut.**

Endémique du Portugal
Murs, rochers, haies, buissons…



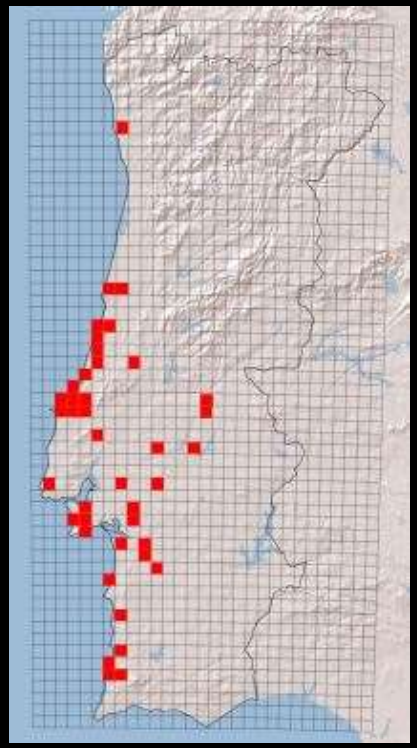
***Ephedra fragilis* subsp. *fragilis* Desf.**

Ouest méditerranéen
Fourrés littoraux du sud de l'Algarve



Erica erigena R. Ross

Ouest méditerranéen (Ibérie, France RR, Irlande, Nord Maroc ?)
Maquis, lieux ombragés et frais

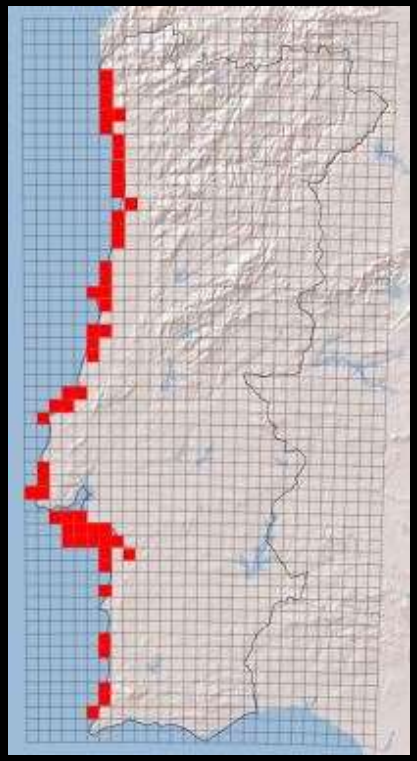


***Scrophularia frutescens* L.**
var. frutescens
var. latifolia Benth.

Considéré par certains auteurs comme sous-espèce de *S. canina*

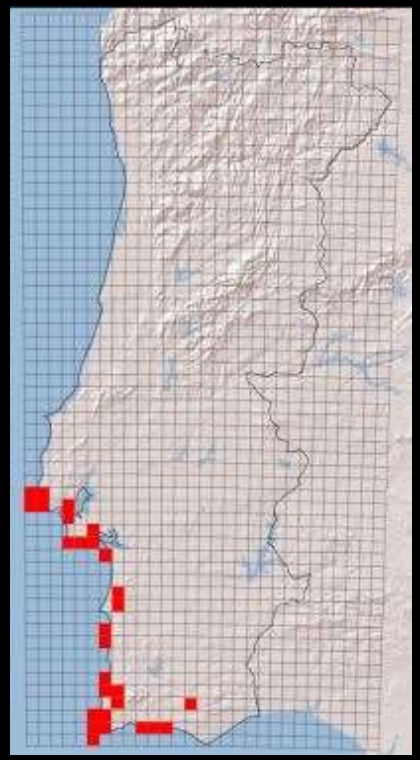
Nord-ouest méditerranéen (Ibérie et Sicile)

Pelouses, friches et ourlets littoraux



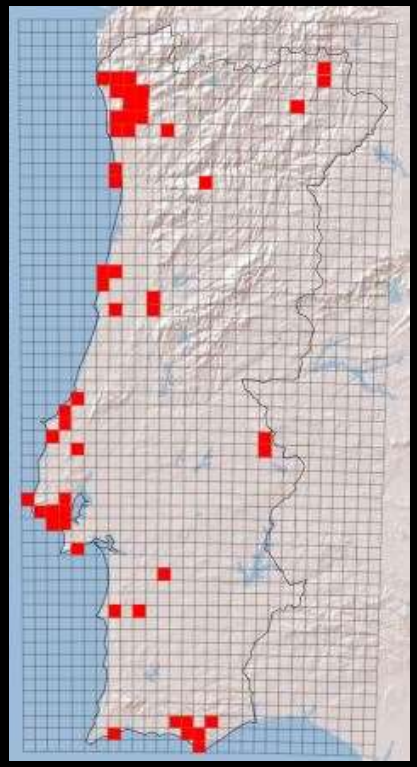
Gennaria diphylla (Link) Parl.

Ouest méditerranéen
Maquis et garrigues littoraux

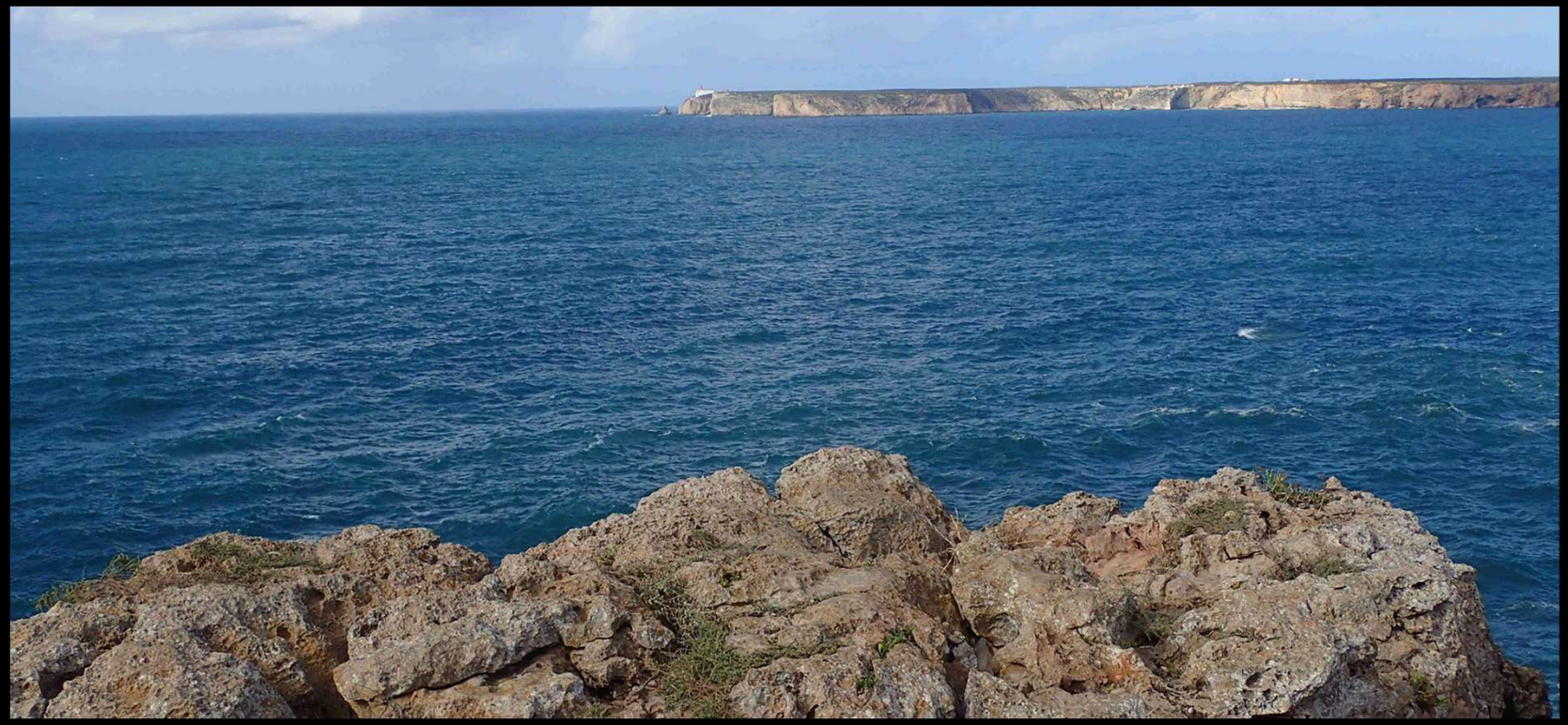


Bidens aurea (Aiton) Sherff

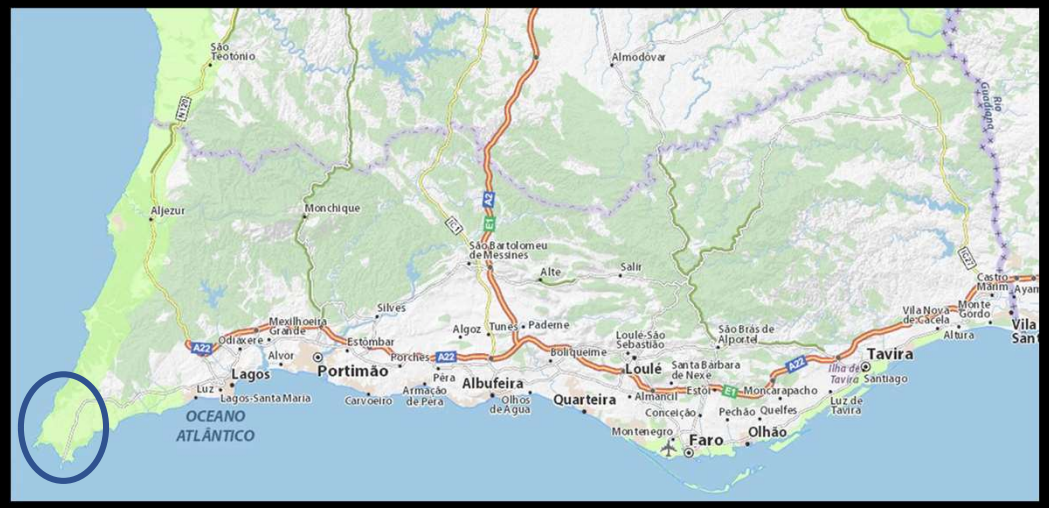
Naturalisée, originaire d'Amérique centrale
Friches, prairies fraîches

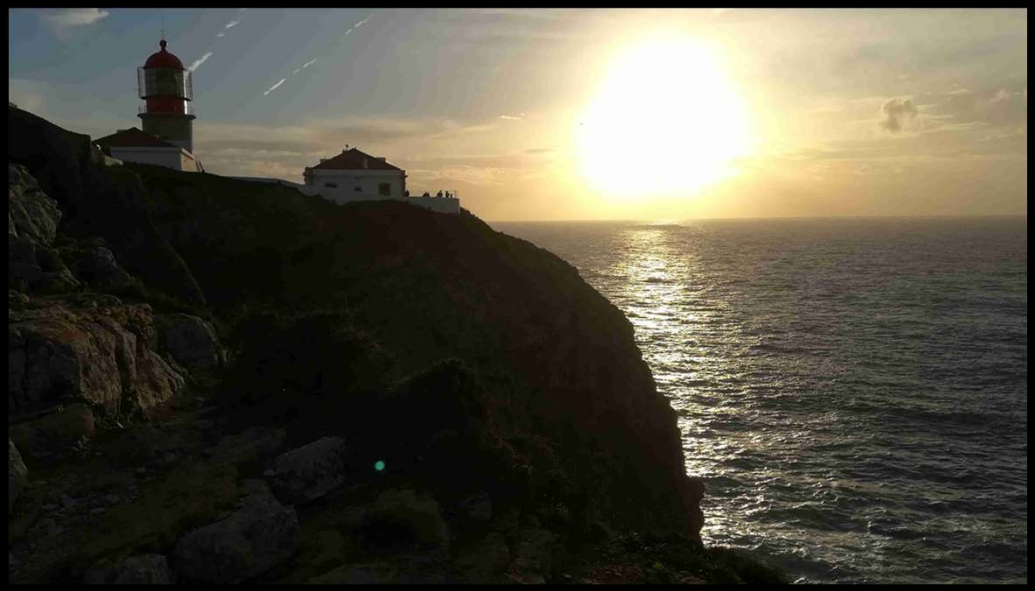


Le cap Sâo Vicente et la pointe de Sagres

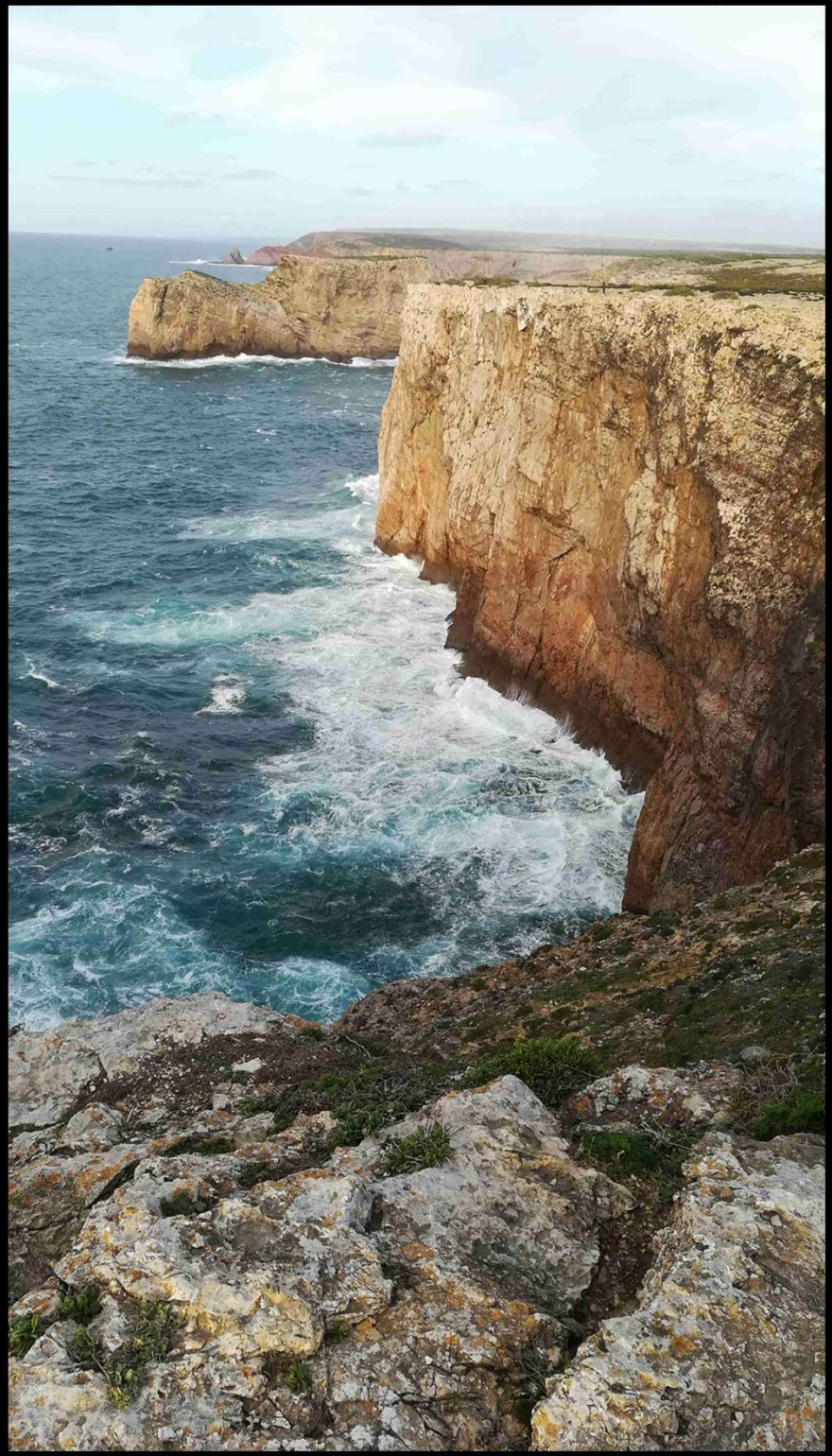


Le cap Sâo Vicente vu depuis la pointe de Sagres





Le phare du cap Sâo Vicente



Pelouse rase battue par les vents et falaises de la pointe de Sagres ; pêcheurs de dorades en bord de falaise

***Astragalus tragacantha* L.**

Ouest méditerranéen
Phryganes littorales

Crocus serotinus subsp. *serotinus* Salisb.

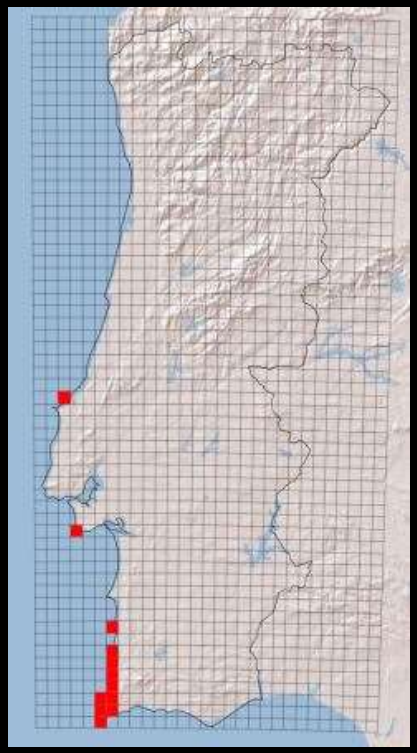
Taxon variable avec 1 espèce ou 3 sous-espèces selon les auteurs (subsp. *clusii* et subsp. *salzmannii*, qui seraient endémiques ibériques et nord Maroc)

Endémique du Portugal

Pelouses rocailleuses

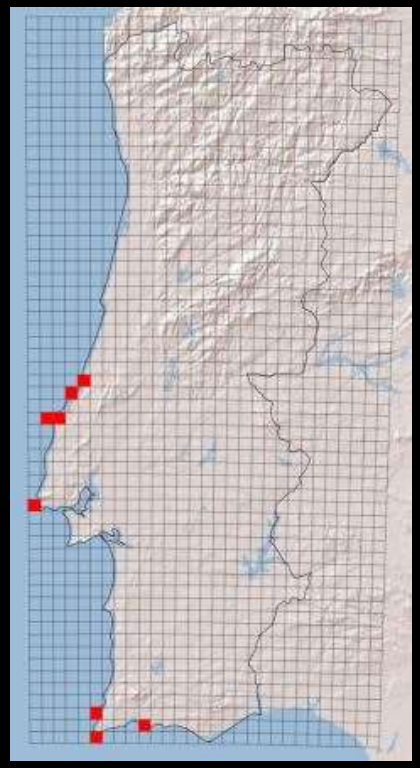
Cistus ladanifer subsp. *sulcatus* (Demoly) P. Monts.

Endémique du Portugal
Maquis littoraux



Limonium nydeggeri Erben

Endémique du Portugal
Rochers littoraux

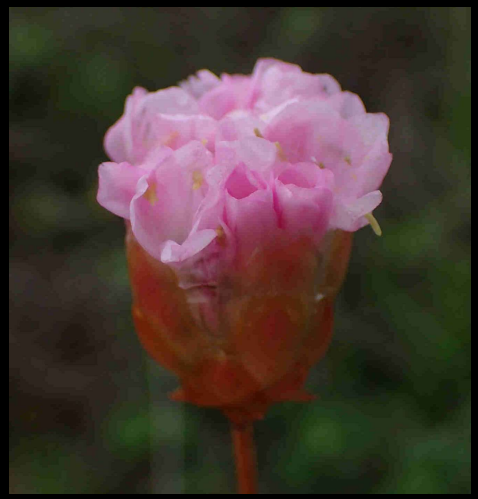


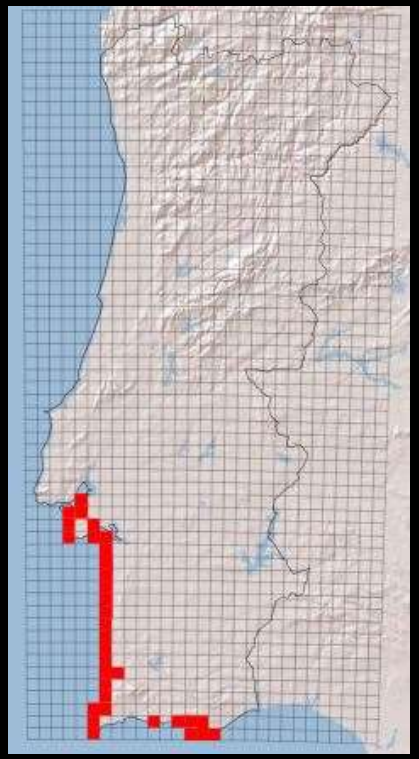
Lycium intricatum Boiss.

Ouest méditerranéen
Milieux secs

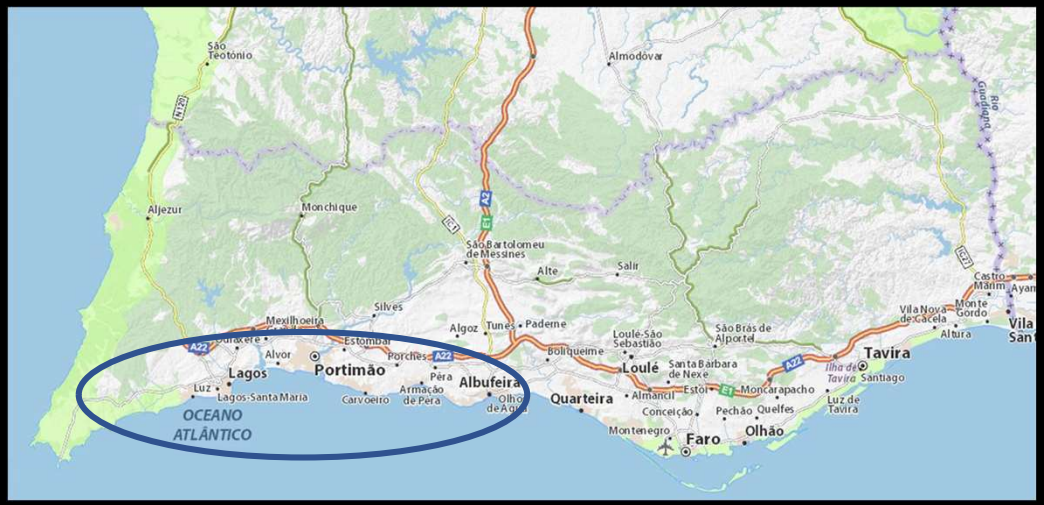
Armeria pungens (Link) Hoffmanns. & Link

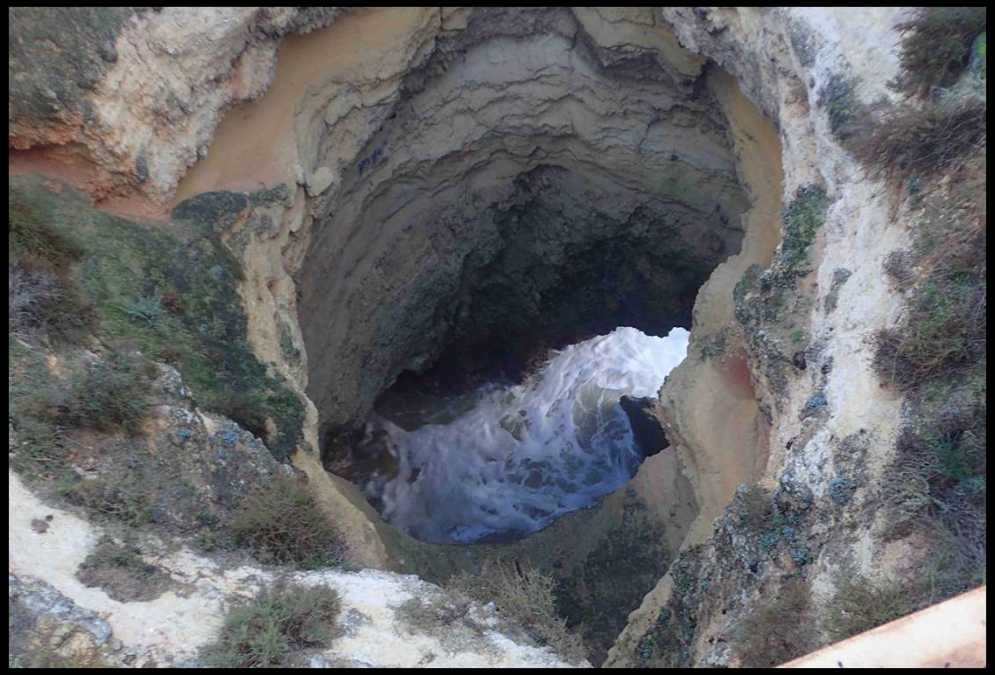
Nord-ouest méditerranéen (Ibérie, Corse, Sardaigne)
Arrière dunes, placages sableux littoraux





La cote sud-ouest





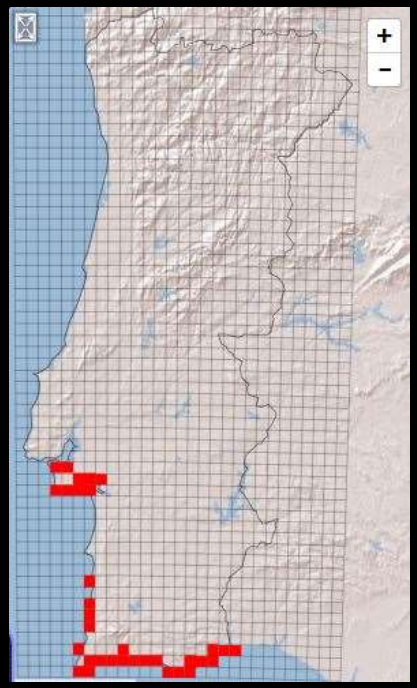
L’érosion et son œuvre : un côte déchiquetée, des grottes, des gouffres, des cavités, des îlots...

Chamaerops humilis L.

Ouest méditerranéen
Matorrals therrnoméditerranéens

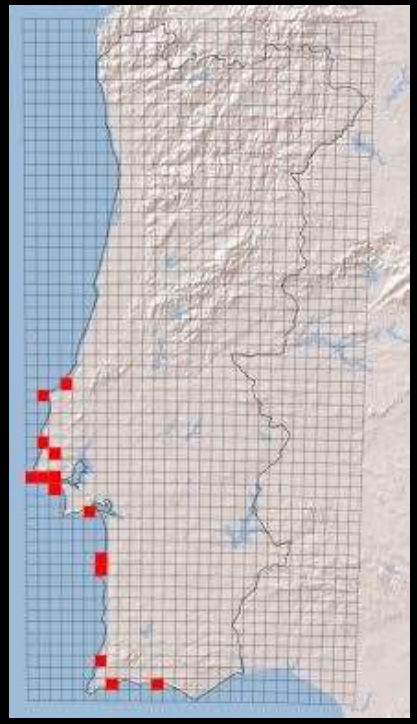
Salsola vermiculata L.

Sud méditerranéen
Ourlets halophiles



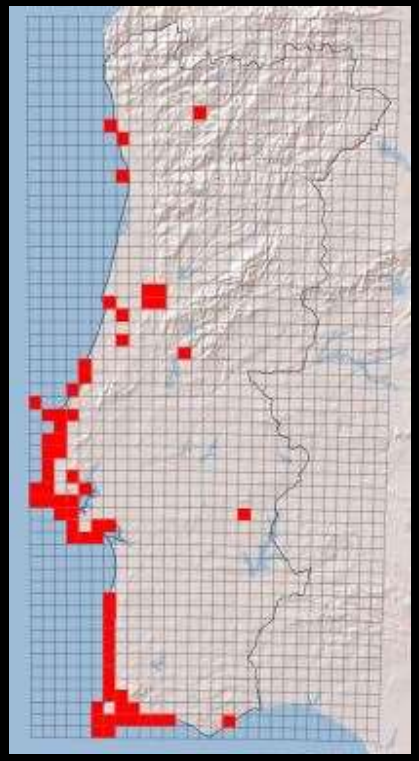
Aeonium arboreum (L.) Webb & Berthel.

Naturalisé, endémique du Maroc
Rochers littoraux



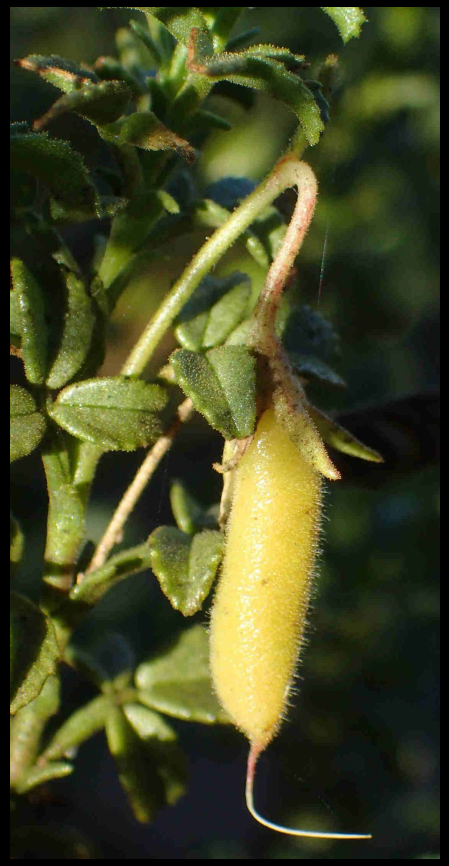
Lobularia maritima (L.) Desv.

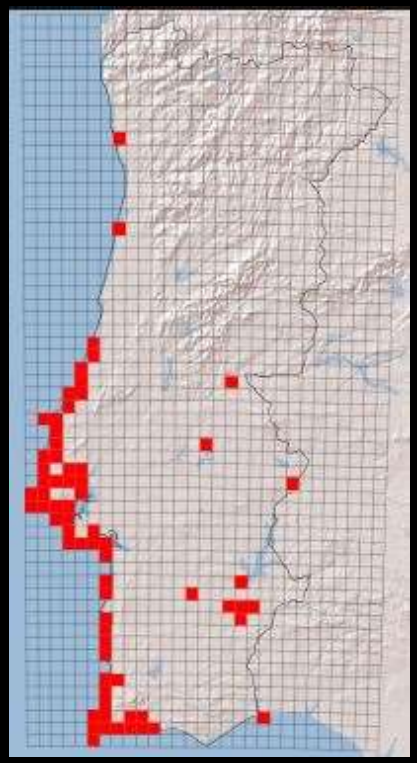
Méditerannéen
Pelouses sableuses et rocheuses du littoral



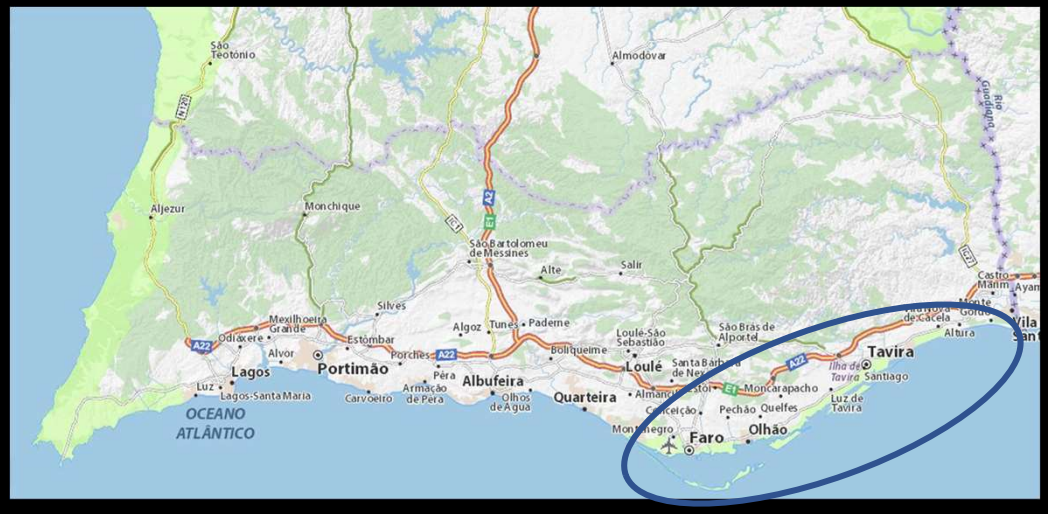
***Ononis ramosissima* Desf.**

Ouest méditerranéen
Pelouses sableuses du littoral





La cote sud-est : une vaste lagune sur plus de 50 km de long

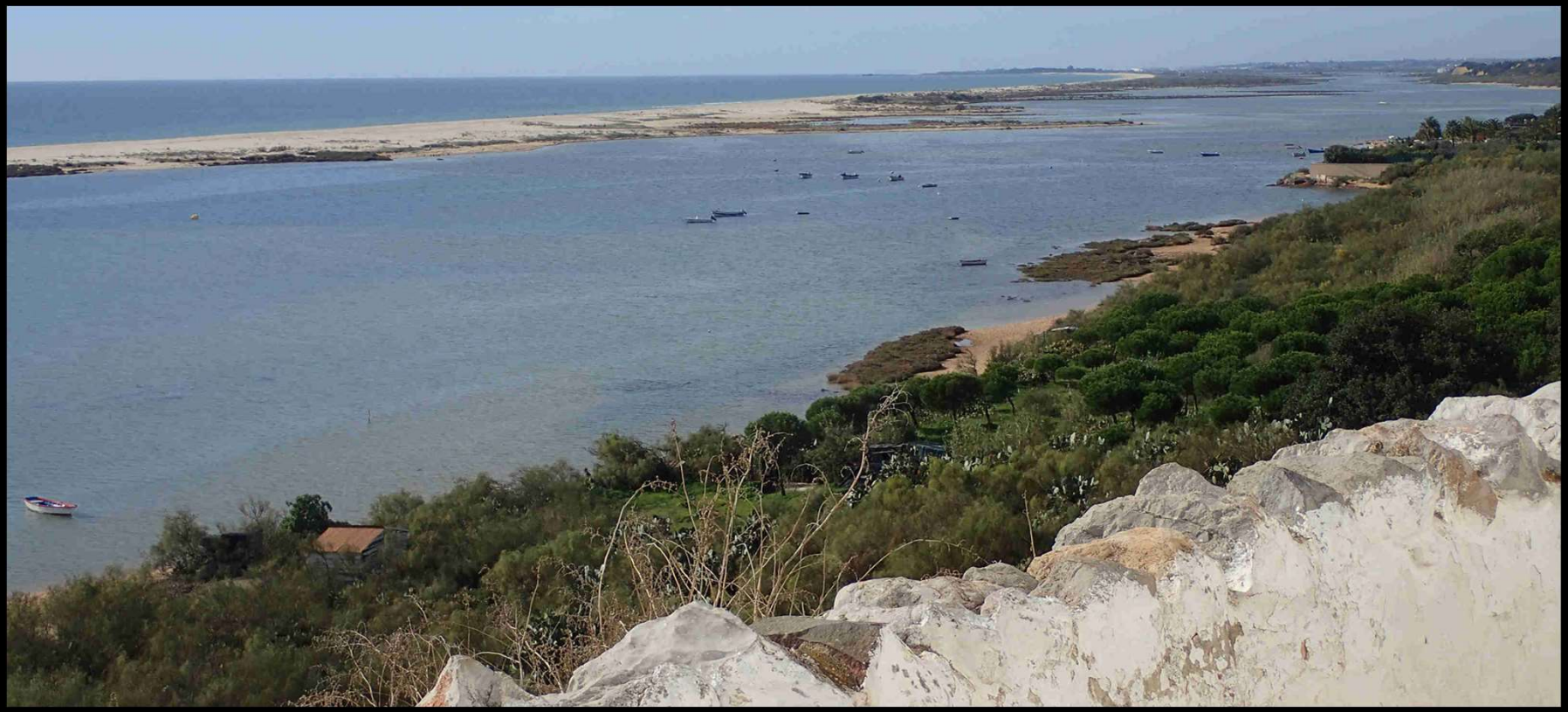


Faro
aéroport

La lagune à Cacela Velha, à deux moments différents de la journée

La lagune à marais basse à Tavira

La lagune à marais haute
depuis le joli village de Cacela
Velha, la vue porte au loin sur
50 km de côte jusqu'à Faro

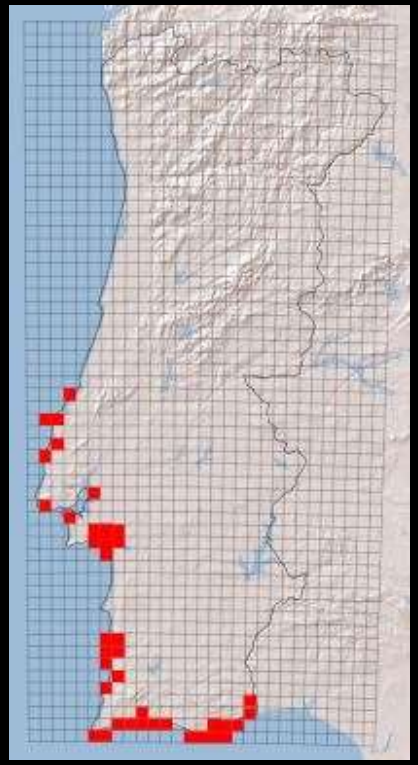


Limonium lanceolatum (Hoffmanns. & Link) Franco

Ouest méditerranéen (Portugal, Maroc)
Prés salés

Limonium ferulaceum (L.) Chaz.

Ouest méditerranéen
Prés salés

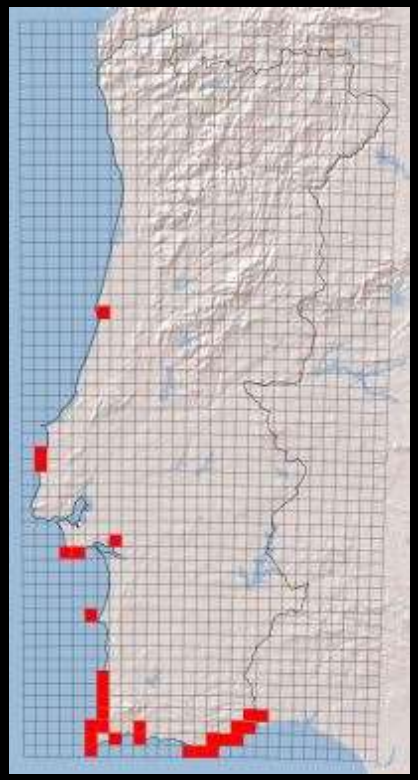


***Limoniastrum monopetalum* (L.) Boiss.**

Méditerranéen
Prés salés

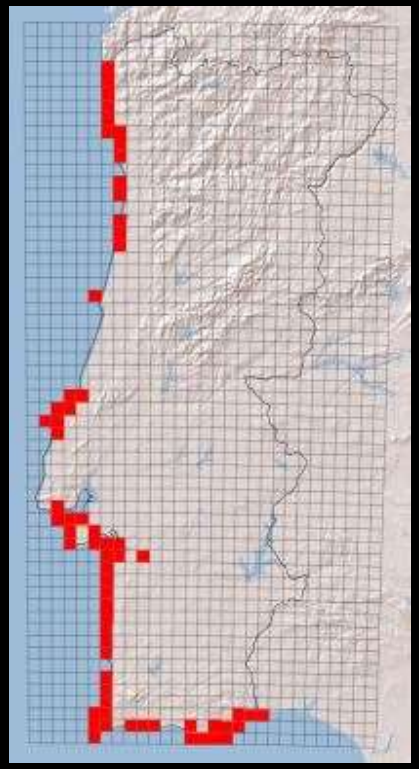
***Mesembryanthemum nodiflorum* L.**

Méditerranéen, paléotropical
Milieux secs



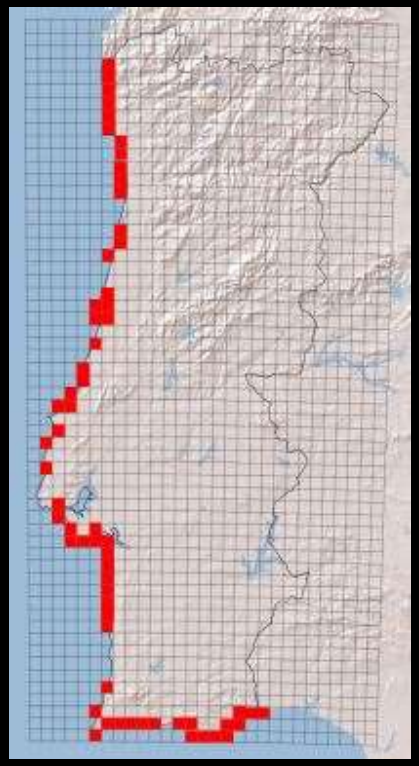
***Malcolmia littorea* (L.) R. Br.**

Ouest méditerranéen
Dunes et pelouses sableuses du littoral



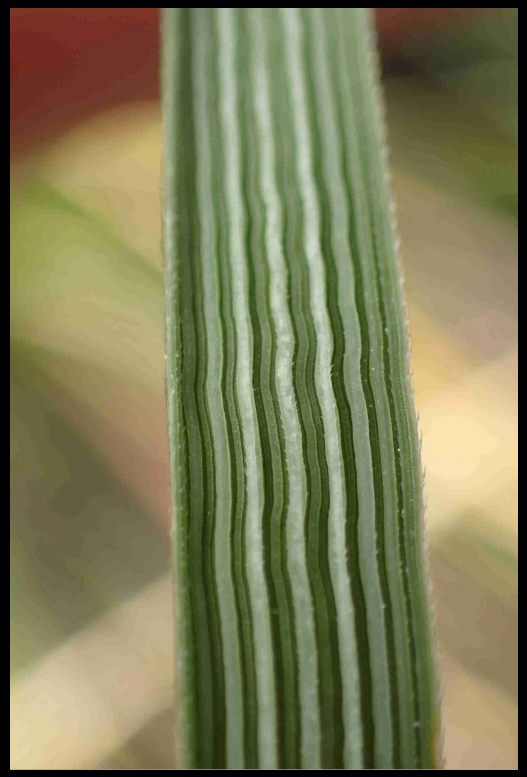
***Polygonum maritimum* L.**

Méditerranéo-atlantique macaronésienne
Dunes



Spartina densiflora Brongn.

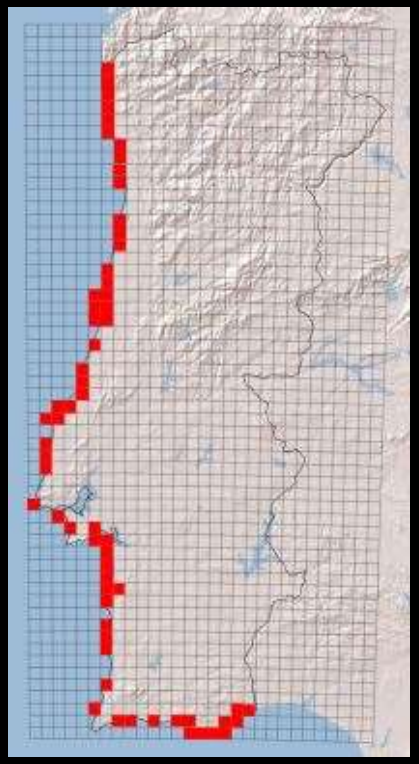
Naturalisé, originaire d'Amérique du Sud
Prés salés, milieux halophiles littoraux



***Otanthus maritimus* (L.) Hoffmanns. & Link**

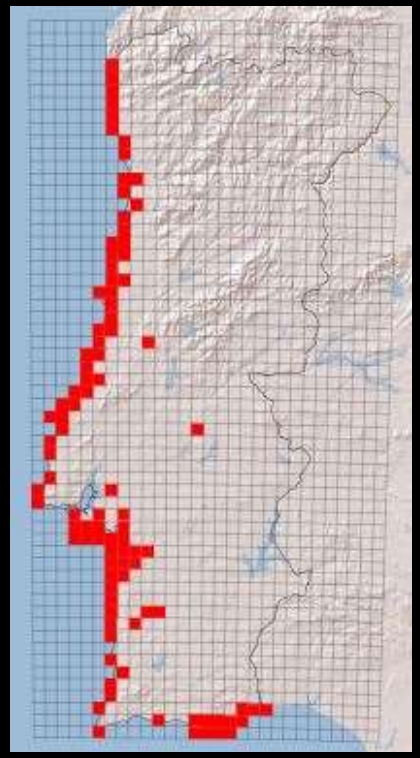
Méditerranéo-atlantique

Dunes



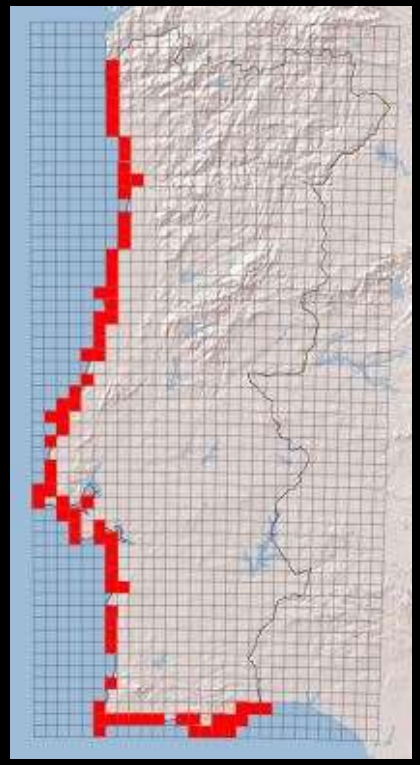
Helichrysum italicum subsp. *picardi* (Boiss. & Reut.) Franco

Endémique ouest Ibérie
Pelouses sableux littorales



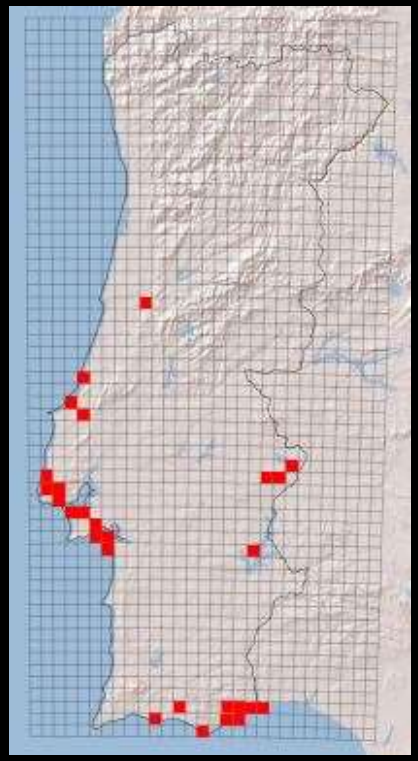
***Pancratium maritimum* L.**

Méditerranéo-atlantique
Dunes et pelouses sableux littorales



***Retama monosperma* (L.) Boiss.**

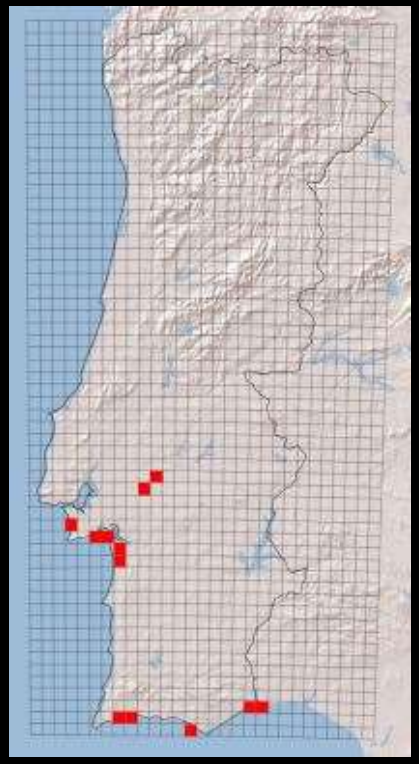
Ouest méditerranéen (Ibérie et Maghreb)
Ourlets et lieux sableux et rocailleux



***Pycnocomon rutifolium* (Vahl) Hoffmanns. & Link**

Méditerranéo-atlantique

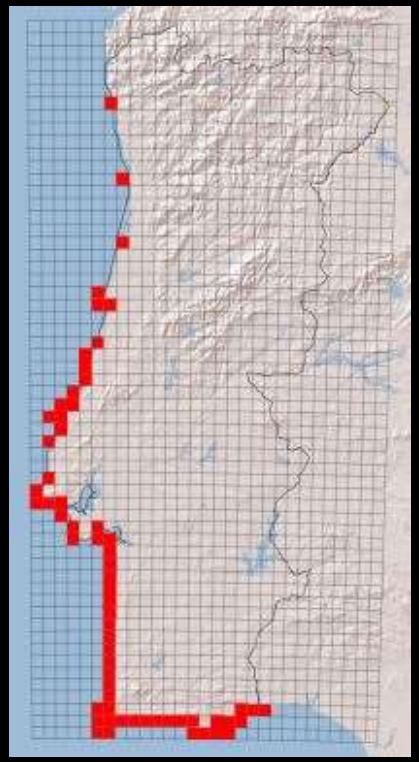
Dunes, friches sableuses



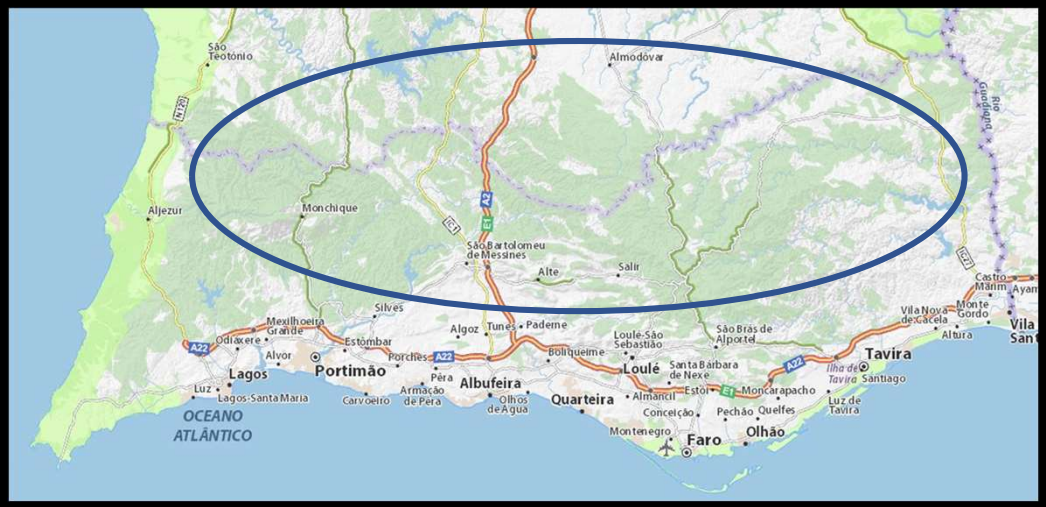
***Lotus creticus* L.**

Méditerranéen

Pelouses et matorrals sableux littoraux

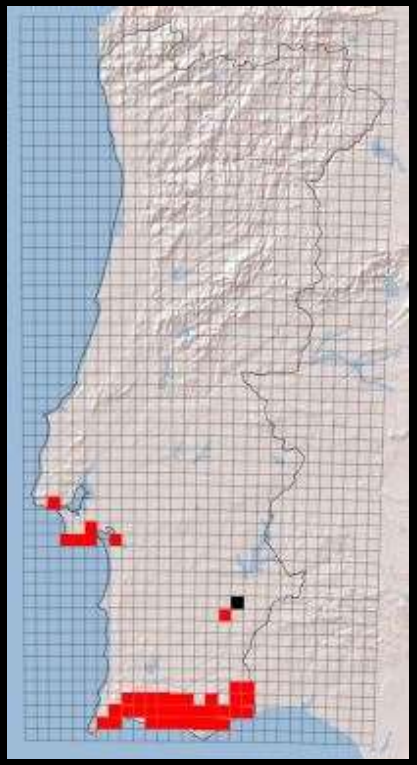


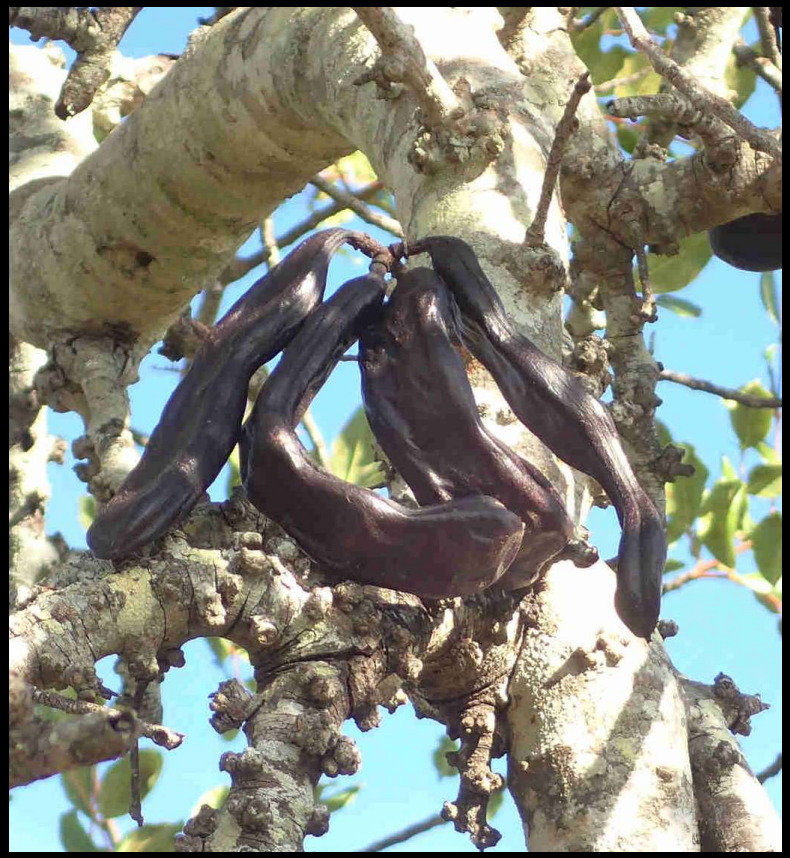
Les collines de l’arrière pays



***Ceratonia siliqua* L.**

Méditerranéen
Sous-bois, landes, lieux pierreux





Nombreux vergers anciens, et des plus récents

4ème producteur

Production : farine de caroube (pulpe de la gousse) et gomme de caroube (graine)

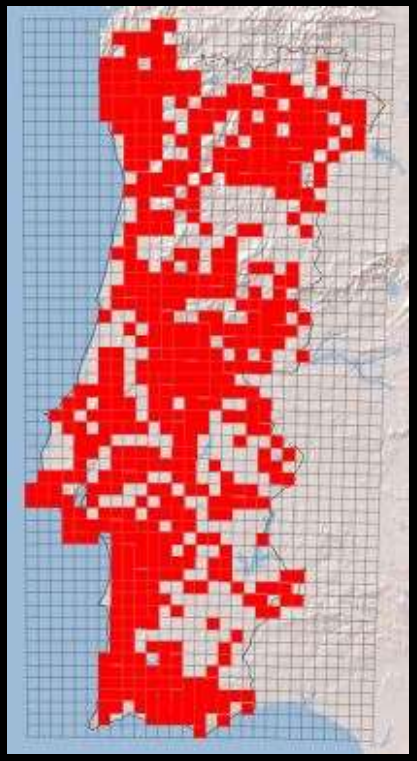
Origine de l'unité 'Carat'

D’autres vergers : orangers, plaqueminiers, avocatiers (en essor), oliviers (très peu fréquent)

***Quercus suber* L.**

Ouest méditerranéen

Haies, fourrés, rochers



***Arbustus unedo* L.**

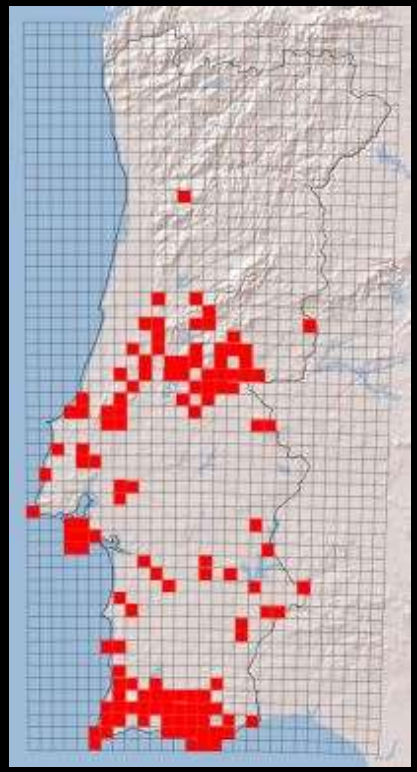
Méditerranéen

Matorrals, maquis

***Lavandula stoechas* subsp. *stoechas* L.**

Méditerranéen

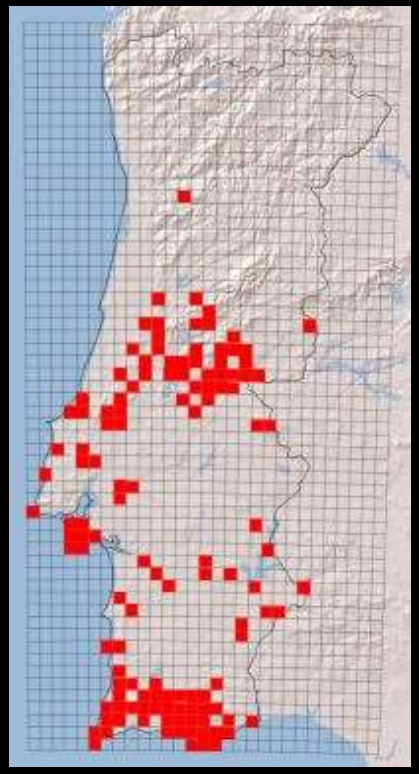
Maquis



***Lavandula pedunculata* (Mill.) Cav.**

Ouest méditerranéen (Ibérie et Maroc)

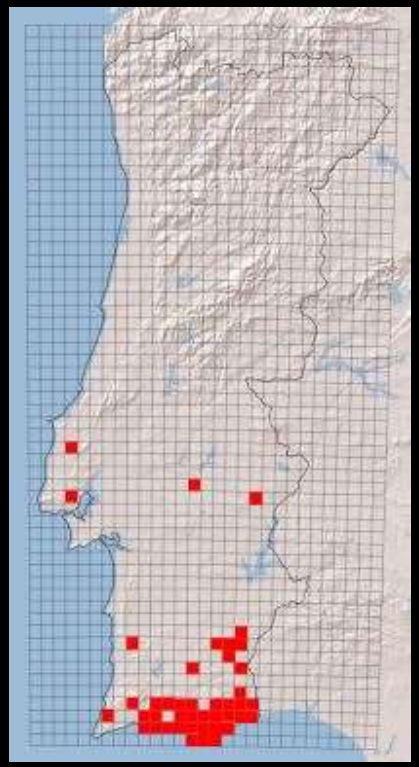
Maquis



***Aristolochia baetica* L.**

Ouest méditerranéen

Haies, fourrés, rochers

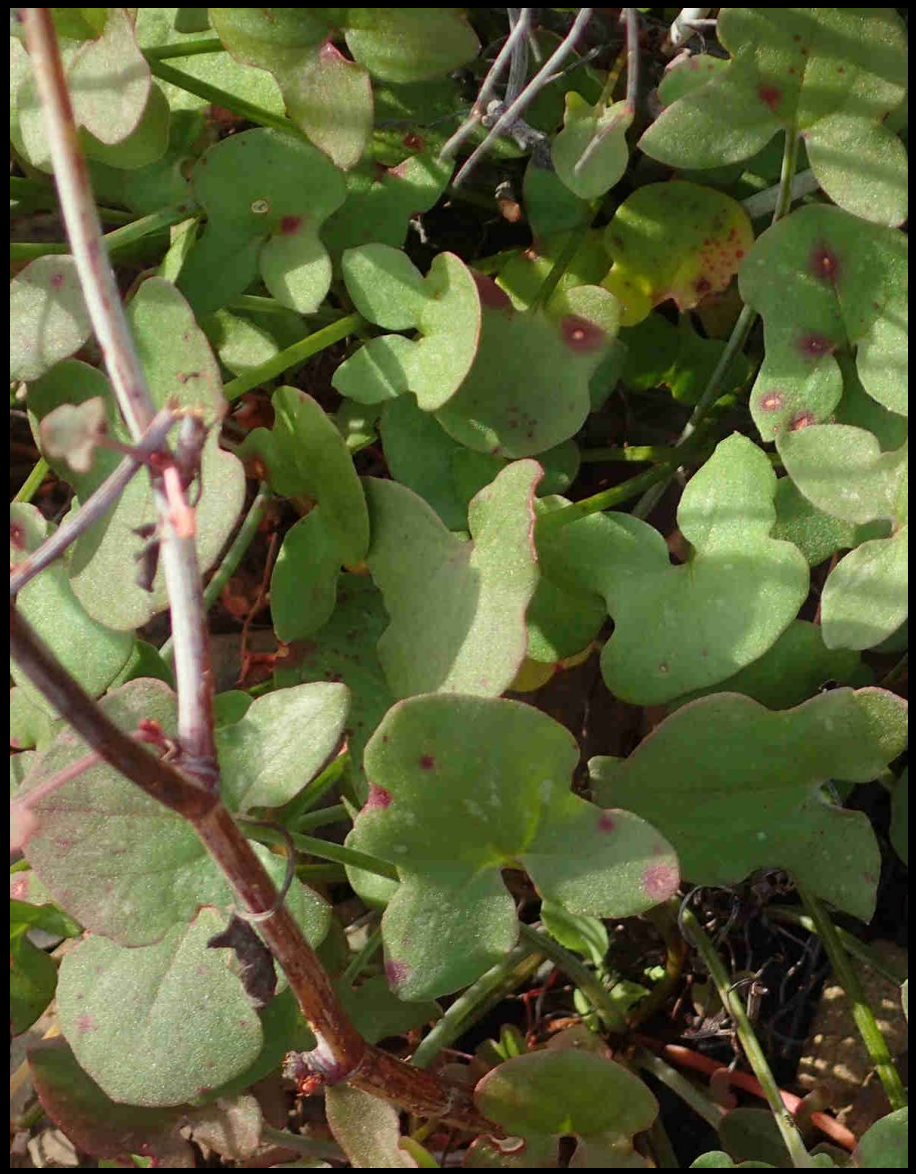


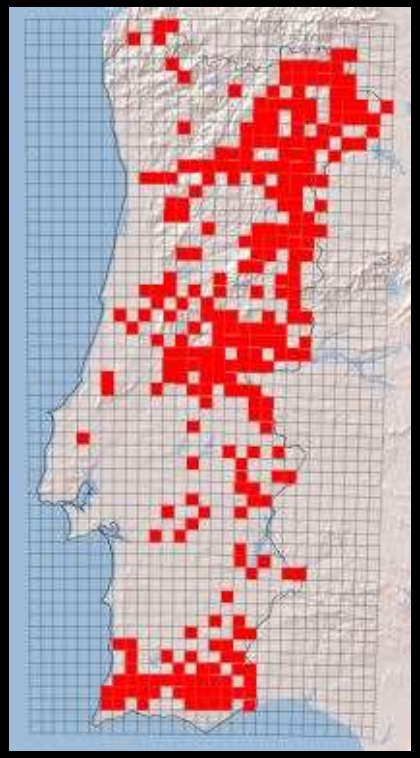
Rumex induratus Boiss. & Reut. (= *R. scutatus* subsp. *induratus* (Boiss. & Reut.) Nyman)

Inflorescence à rameaux latéraux divisés, arqués-divariqués (*vs.* Inflorescence simple ou à quelques rameaux dressés pour *R. scutatus*)

Ouest méditerranéen (Ibérie et Maghreb)

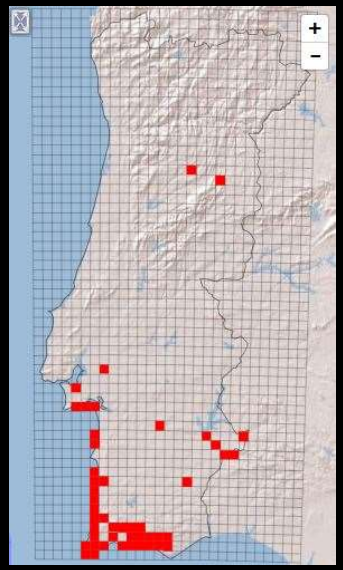
Pierrailles, murets…





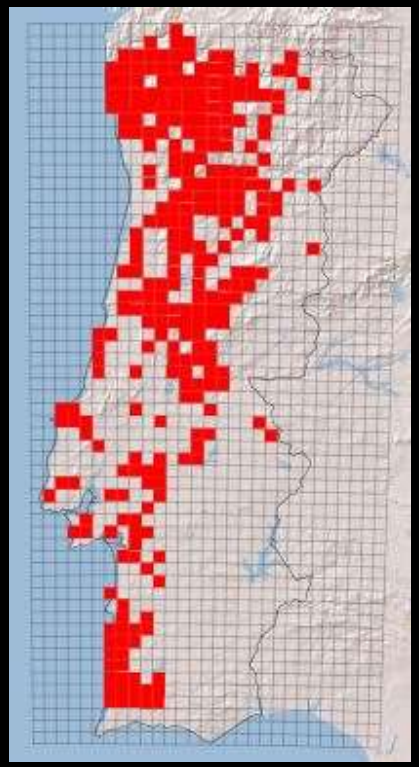
Osyris lanceolata Hochst. & Steud.

Ouest méditerranéen
Fourrés littoraux, matorrals



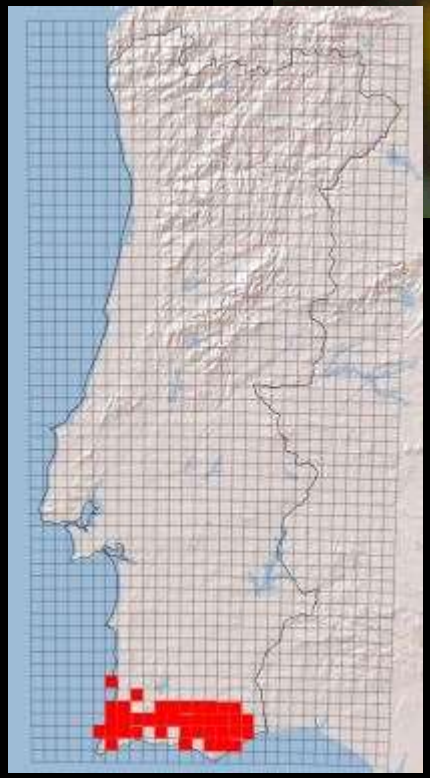
Ulex minor Roth

Atlantique
Landes oligotrophes



Ulex argenteus subsp. *argenteus* Welw. ex Webb

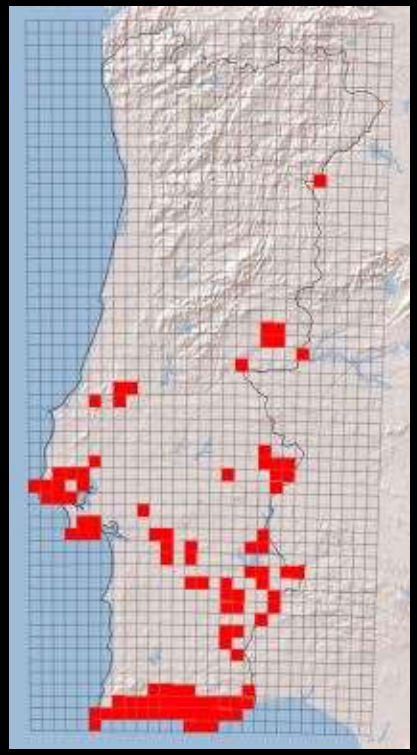
Endémique du Portugal
Sous-bois, landes, lieux pierreux



***Asparagus albus* L.**

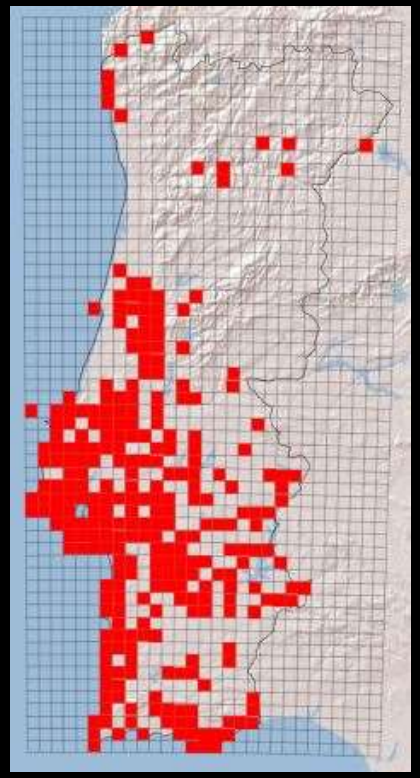
Ouest méditerranéen

Matorrals, pelouses rocailleuses



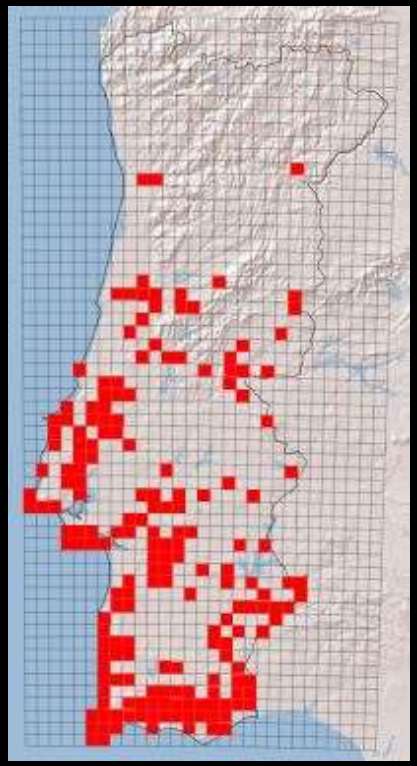
***Asparagus aphyllus* L.**

Méditerranéen
Pelouses rocailleuses, matorrals



Erophaca baetica subsp. *baetica* (L.) Boiss.

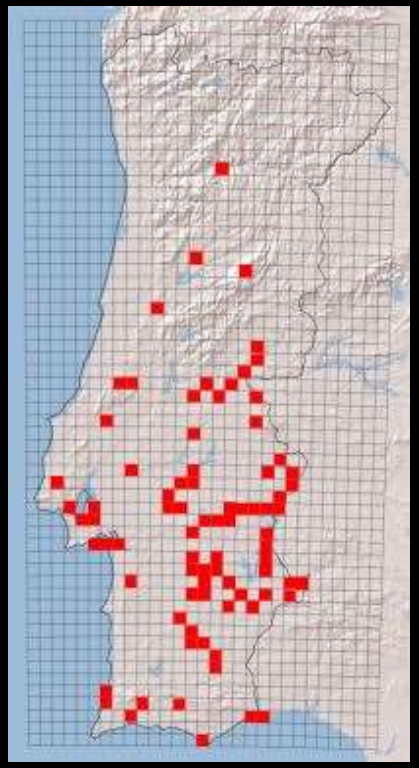
Ouest méditerranéen (Ibérie et Maghreb)
Sous-bois, lisières, broussailles basses et pelouses



***Diplotaxis catholica* (L.) DC.**

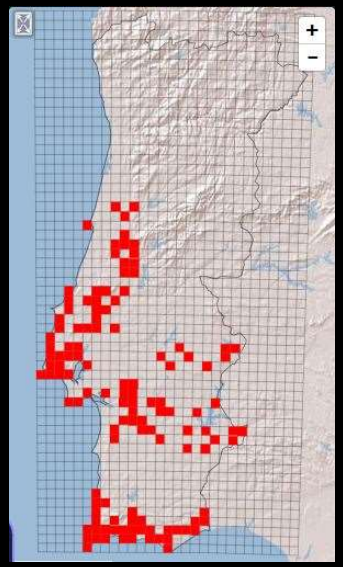
Ouest méditerranéen (Ibérie et Maroc

Milieux rudéraux, champs, chemins



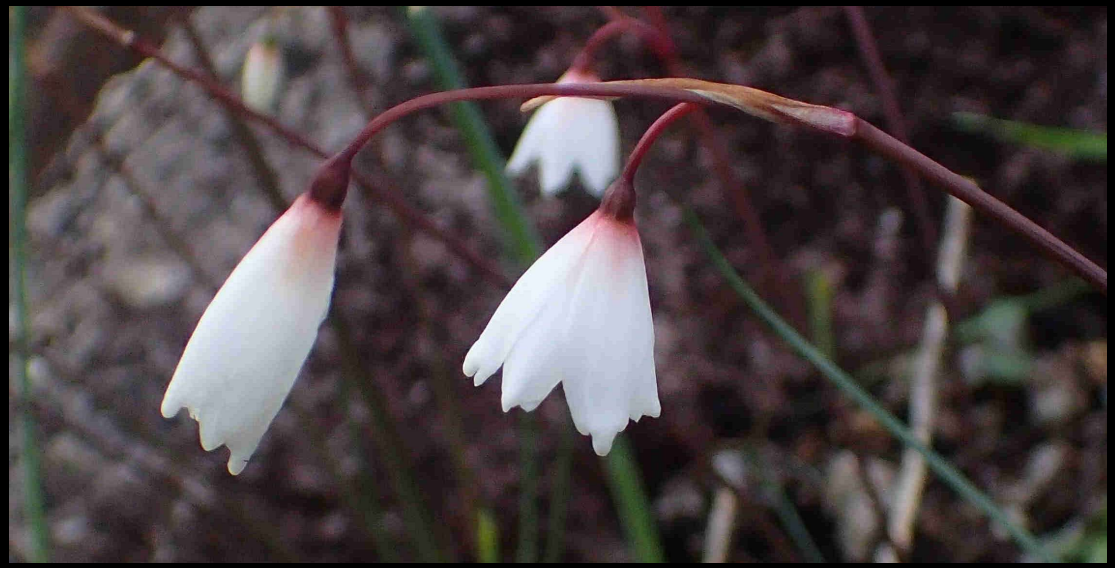
***Plantago serraria* L.**

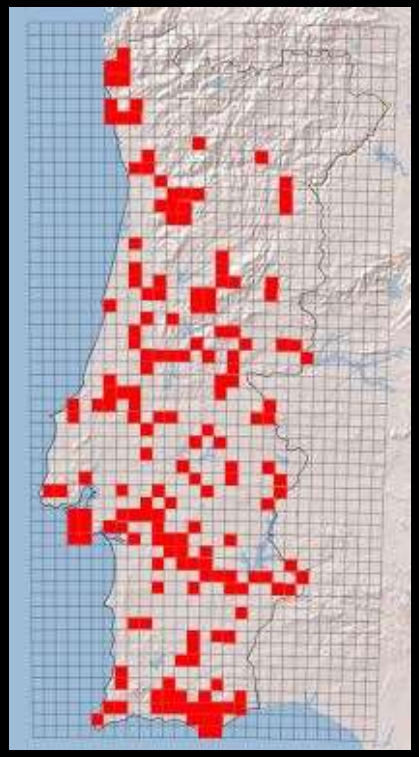
Ouest méditerranéen
Matorrals



***Leucojum autumnale* L.**

Ouest méditerranéen (Ibérie, Sardaigne, Sicile, Maghreb)
Lieux sableux, secs à frais, rocailleux

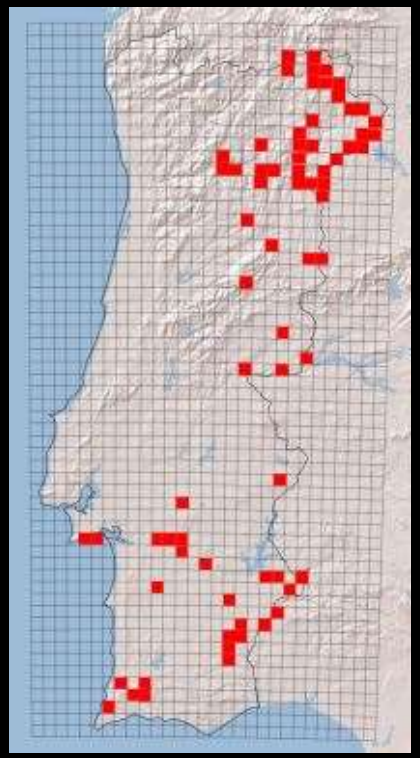


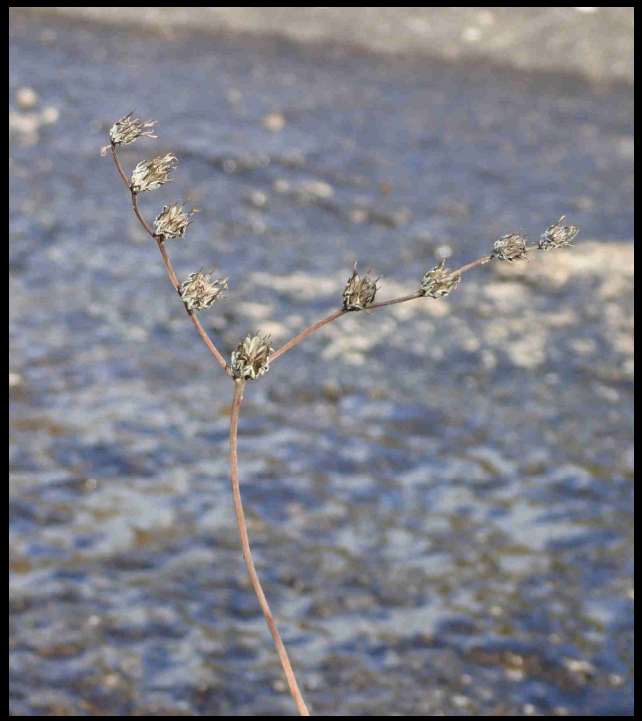


***Sedum amplexicaule* subsp. *tenuifolium* (Sm.) Greuter**

Orophyte méditerranéen

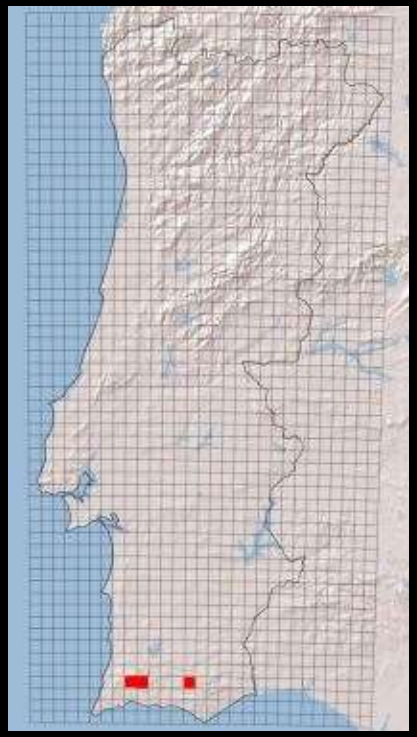
Pelouses acidophiles rocailleuses, ouvertes





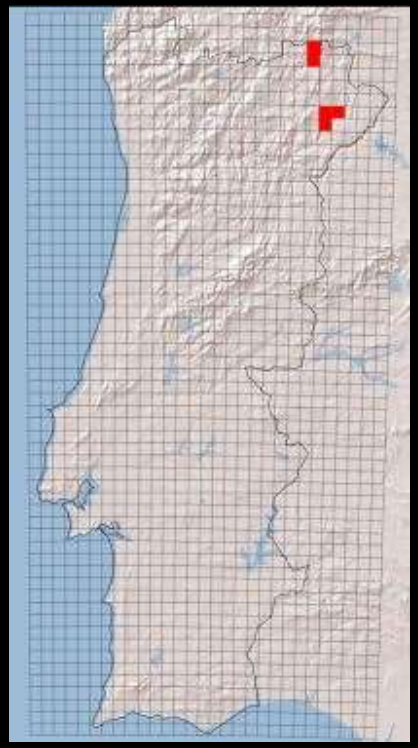
Cheilanthes guanchica Bolle

Ouest médierranéen
Rochers siliceux



Notholaena marantae (L.) Desv.

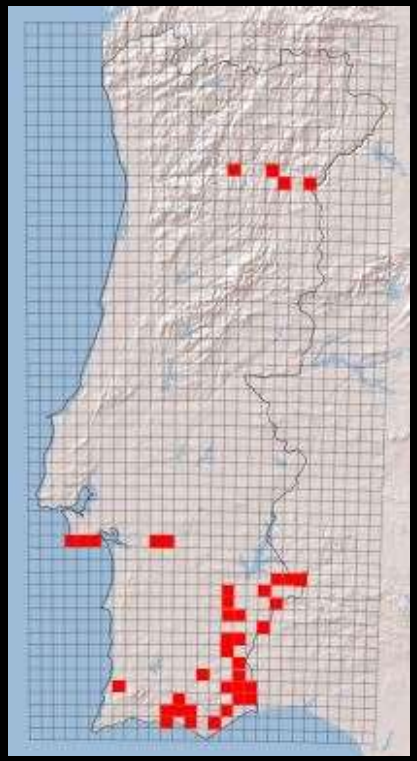
Paléosubtropicale
Rochers siliceux



***Cosentinia vellea* subsp. *vellea* (Aiton) Tod.**

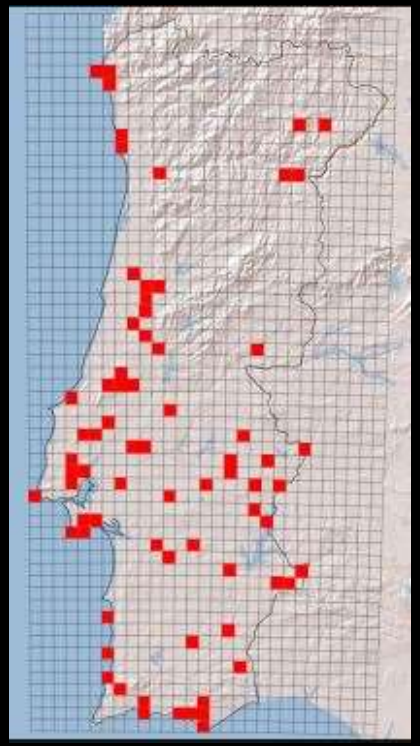
Méditerranéen

Rochers



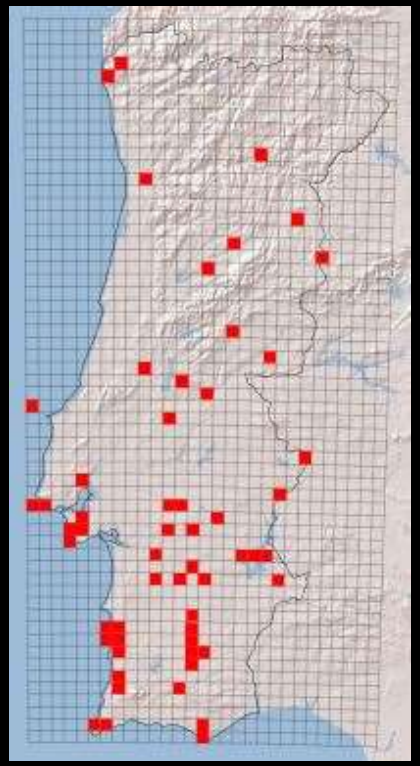
Ophioglossum lusitanicum (Sm.) Greuter

Méditerranéo-atlantique
Pelouses suintantes



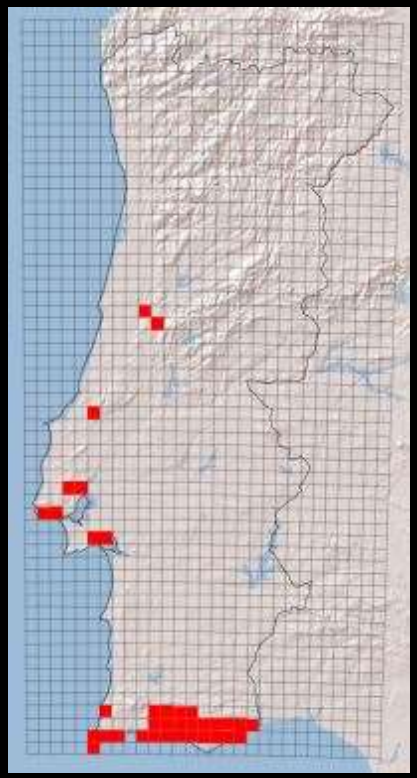
Isoetes histrix Bory

Méditerranéo-atlantique
Pelouses et rochers suintants



***Thymbra capitata* (L.) Cav.**

Méditerranéen
Matorrals, pelouses rocailleuses

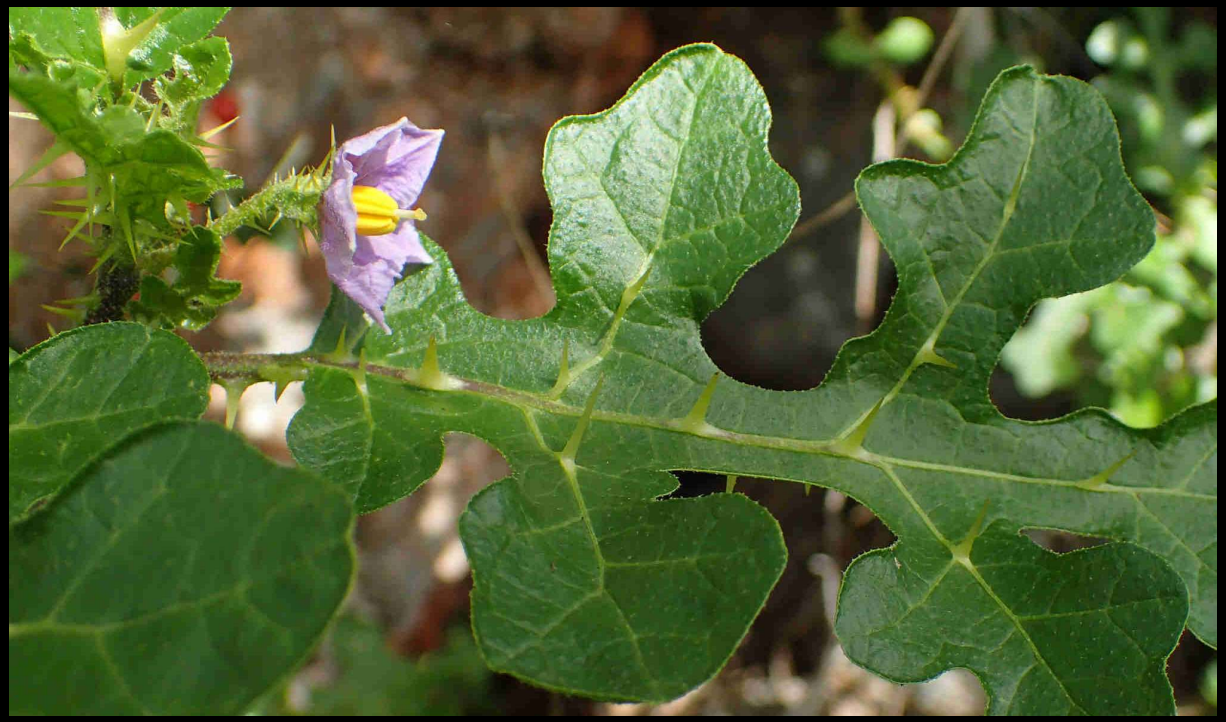


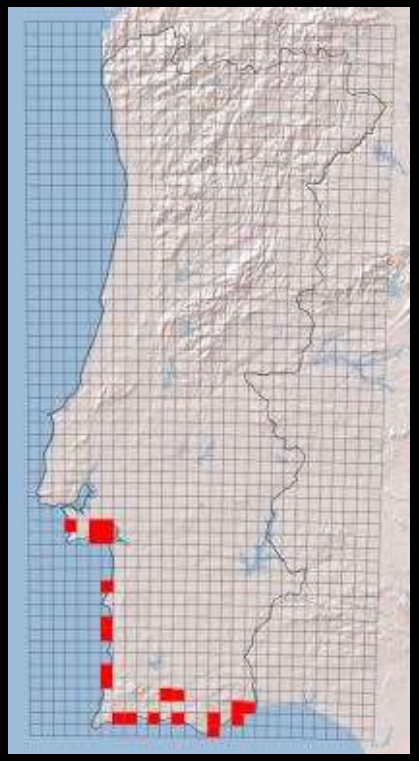
Antirrhinum onubense (Fern. Casas) Fern. Casas

Endémique d'Ibérie
Rochers, milieux rocailleux, bords de chemins

Solanum linnaeanum Hepper & Jaeger

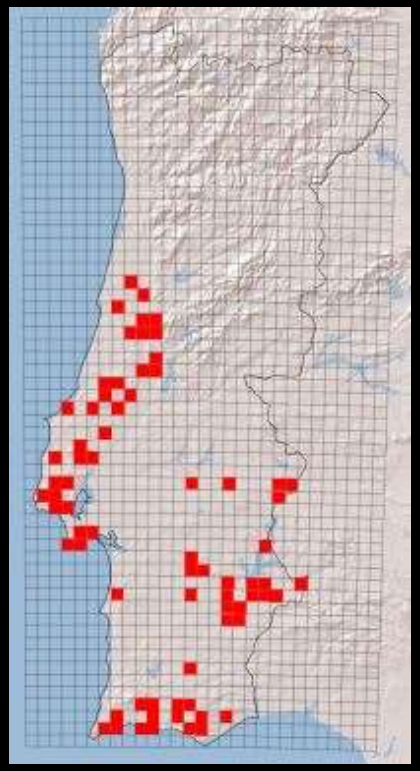
Naturalisé, originaire d'Afrique du sud
Décombres, lisières, milieux rudéraux





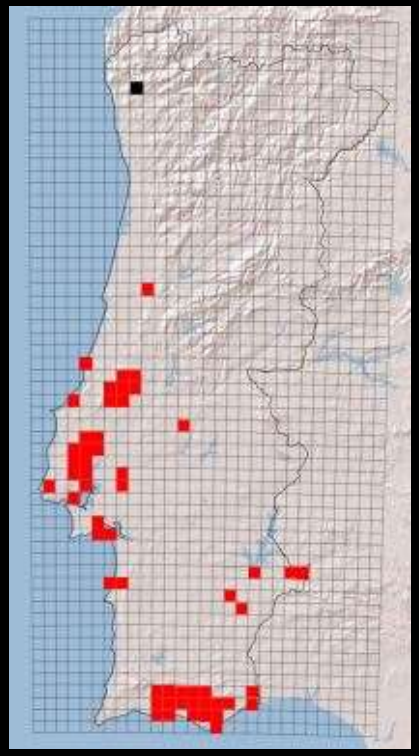
Ranunculus bullatus L.

Méditerranéen
Lieux rudéraux, pelouses rases, piétinées



Micromeria graeca (L.) Benth. ex Rchb.

Méditerranéen
Pelouses sèches, rocailleuses, matorrals



***Prasium majus* L.**

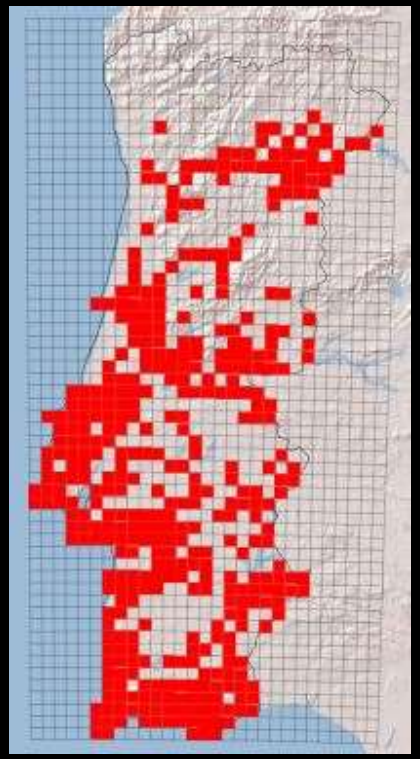
Méditerranéen

Matorrals rocailleux, sur calcaire

***Urginea maritima* (L.) Baker**

Ouest méditerranéen

Matorrals, pelouses… sur sables, rochers…



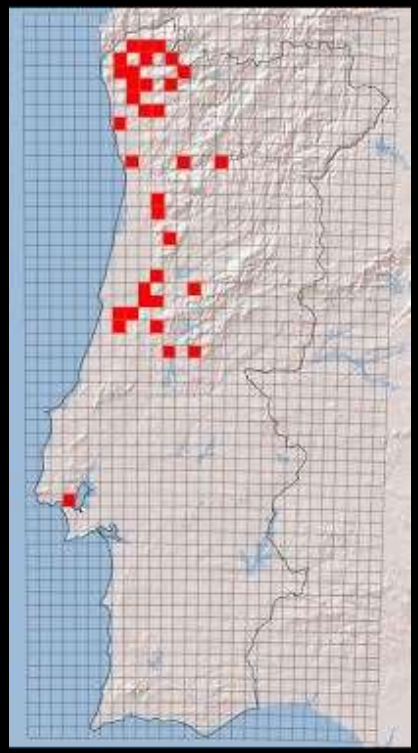
***Mentha requienii* Benth.**

Naturalisé, originaire de Thyrrhénie

Prairies, fossés humides, bord des eaux

***Polygonum capitatum* Buch.-Ham. ex D. Don**

Naturalisé, originaire de l'est de l'Asie
Milieux rudéraux, murets, fossés, chemins…



***Physalis peruviana* L.**

Naturalisé, originaire d'Amérique tropicale

Milieux rudéraux, friches, jardins…

FIN