

CONTESTO, ESPERIENZE PRECEDENTI, IDEA DA CUI È NATO IL PROGETTO **SIMASEED**

CONTEXT, PREVIOUS EXPERIENCES, THE **SIMASEED PROJECT IDEA**

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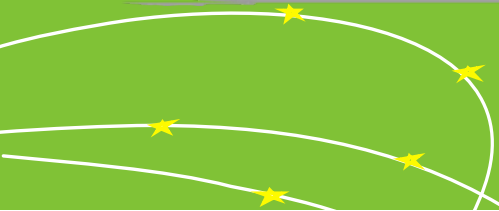
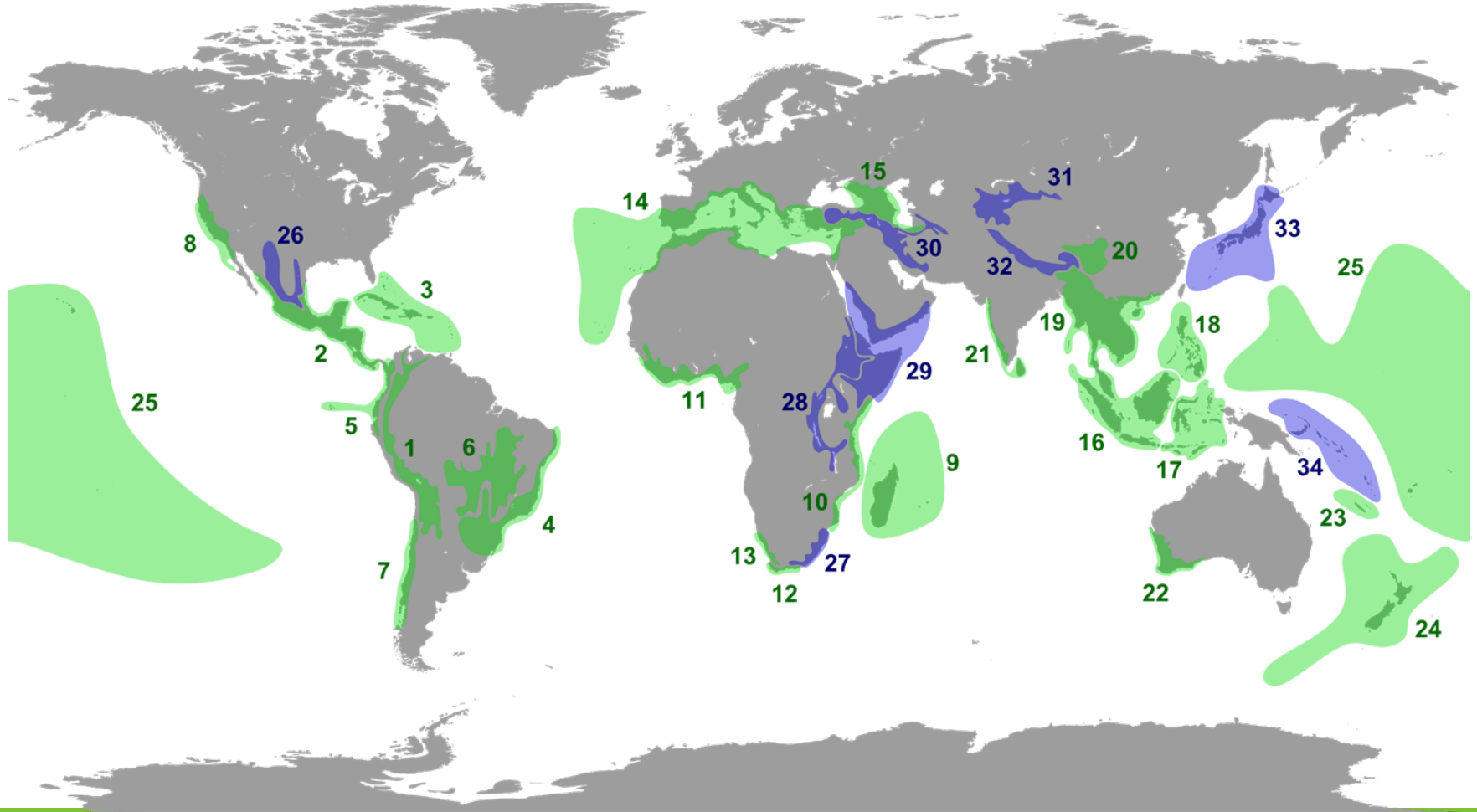


BIODIVERSITY = The variety of plant and animal life in the world or in a particular habitat at genetic, specific and ecosystemic level

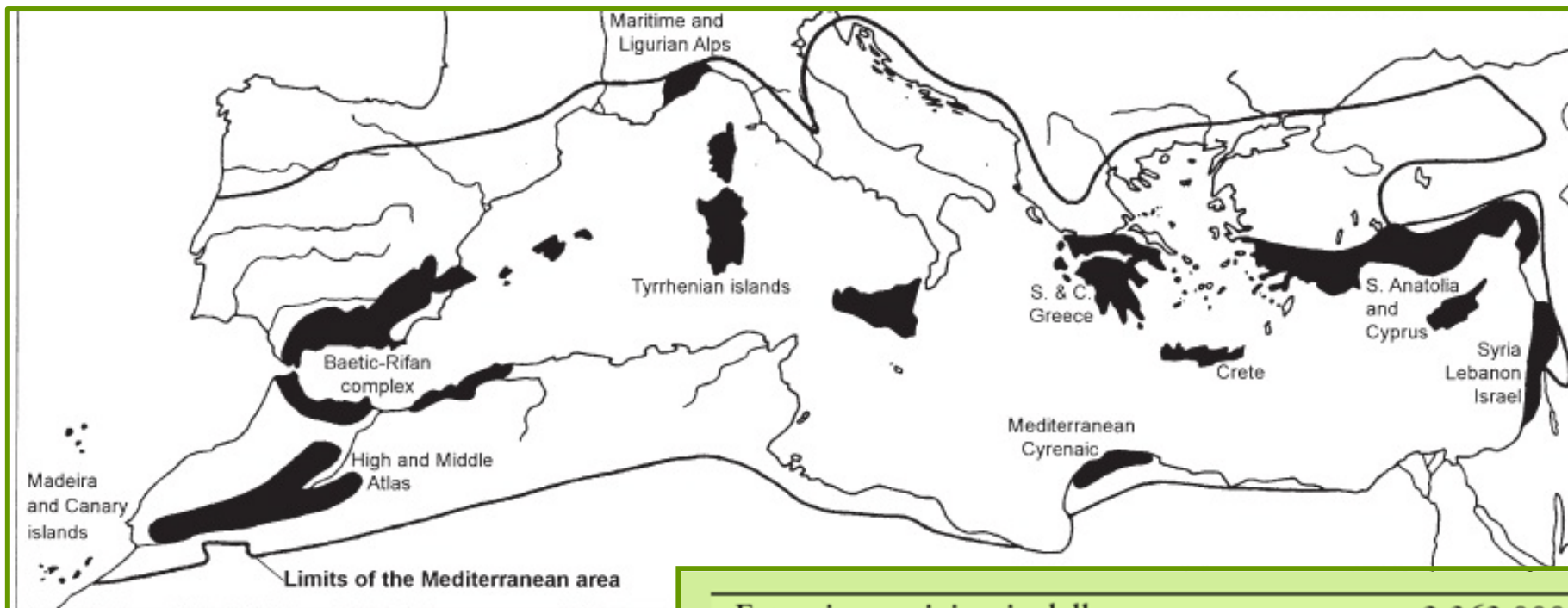
HABITAT = The three-dimensional space including both the physical environment and the communities of plants and animals inhabiting it



World biodiversity hotspots : 34 ecoregions with high conservation priority



The Mediterranean hotspot



Estensione originaria della
vegetazione primaria (Km²) 2.362.000

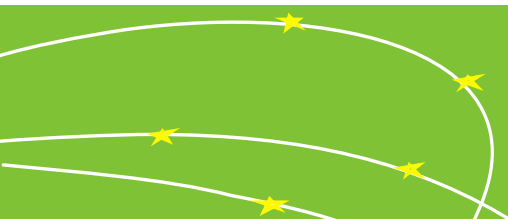
→ Vegetazione primaria rimanente (Km²) 110.000
(% dell'estensione originaria) (4,7)

Aree protette (Km²) 42.123
(% di hotspot) (38,3)

Specie vegetali 25.000

→ Piante endemiche 13.000
(% di piante globali, 300.000) (4,3%)

Rapporto specie/area per 100 Km² di hotspot 11,8



Why so much biodiversity in the Mediterranean?

—————→ geology, substrates, climate, orography, environments

—————→ man

—————→ landscape

But under what conditions?



more than half of the species and more than 60% of the habitats of Community interest are, often, in a inadequate state of preservation



What Europe has done about?

**Birds Directive (79/409/CEE e
2009/147/CE)**

Conservation of wild birds

Habitat Directive(92/43/CEE)

Conservation of natural and semi-natural habitats and of wild flora and fauna

National list

European list

**Special Zones of
Conservation (SZC)**

**SCI and
SPZ**



NATURA 2000

**Establishment of the
European Ecological
Network NATURA 2000**



Habitat Directive (92/43/EEC)

Annex I – Natural habitat types of Community interest whose conservation requires the designation of Special Areas of Conservation

Annex II – Animal and plant species of Community interest whose conservation requires the designation of Special Areas of Conservation

Annex III - Criteria for selecting sites eligible for identification as sites of Community importance and designation as Special Areas of Conservation

Annex IV - Animal and plant species of Community interest in need of strict protection

Annex V - Animal and plant species of Community interest whose taking in the wild and exploitation may be subject to management measures



Sicily and Malta, two islands, a unique model:

- ✓ in the middle of the Mediterranean Sea,
- ✓ a great variety of climatic, geomorphological and pedological conditions,

... but a heavy anthropic pressure too

- ✓ agriculture and livestock
- ✓ industry
- ✓ urbanization
- ✓ tourism
- ✓ hunting
- ✓ invasion of alien species
- ✓ abandoned waste
- ✓ abusive abstraction of water







Ben Osborne

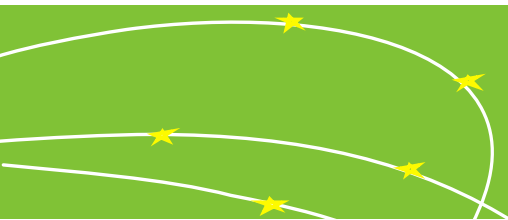




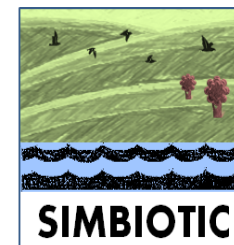
European Programmes

point out environmental items and support conservation strategies of species and habitats

promote cooperation between different countries or regions



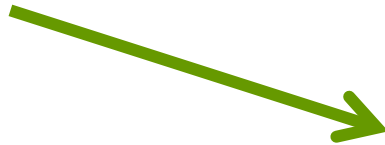
A partnership between Malta and Sicily tested by previous experiences



INTERREG V-A ITALY-MALTA 2014-2020

A new call, a new challenge

... to preserve biodiversity by enhancing our Seed Banks and supporting a new one in order to strengthen populations and habitats at risk in the two islands



SiMaSeed

