

Ente di Gestione per i Parchi e la Biodiversità

Romagna



Parco regionale della
**Vena del Gesso
Romagnola**

Introduction to the Natural Park Vena del Gesso Romagnola Emilia-Romagna Italy

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Ente di gestione per i Parchi e la Biodiversità-Romagna

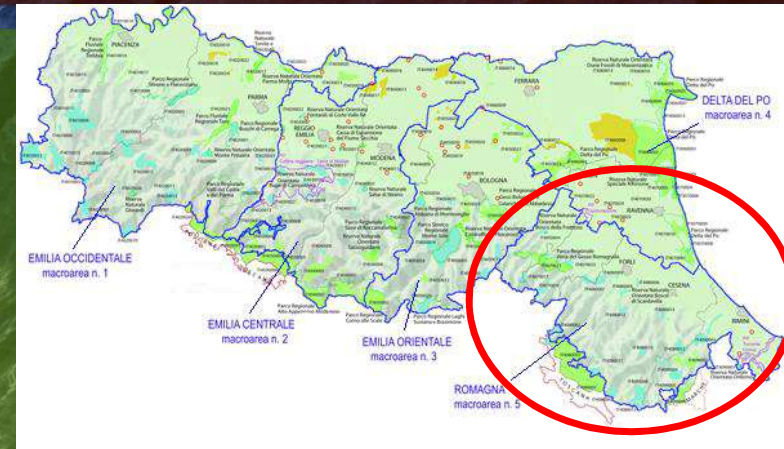
- We are a public body, established by *Regione Emilia-Romagna*, managing the protected areas and Natura 2000 sites in the south-eastern part of Padana Valley and the eastern part of Tosco-Emiliano Apennines, the so-called “Romagna”.



Ente di gestione per i Parchi e la Biodiversità-Romagna

- **We are managing:**
 - one Regional Natural Park;
 - three Regional Natural Reserves;
 - one Protected Landscape;
 - two Ecological Restructuring Areas;
 - 13 Sites of Community Importance (Dir. 92/43/CEE «Habitat»);
 - 4 Special Protection Areas (Dir. 09/147/CE «Birds»).

In the LIFE Eremita the Natural Park (SCI/SPA), the three Natural Reserves (SCI) and other six SCI are involved.



Natural Park Vena del Gesso Romagnola



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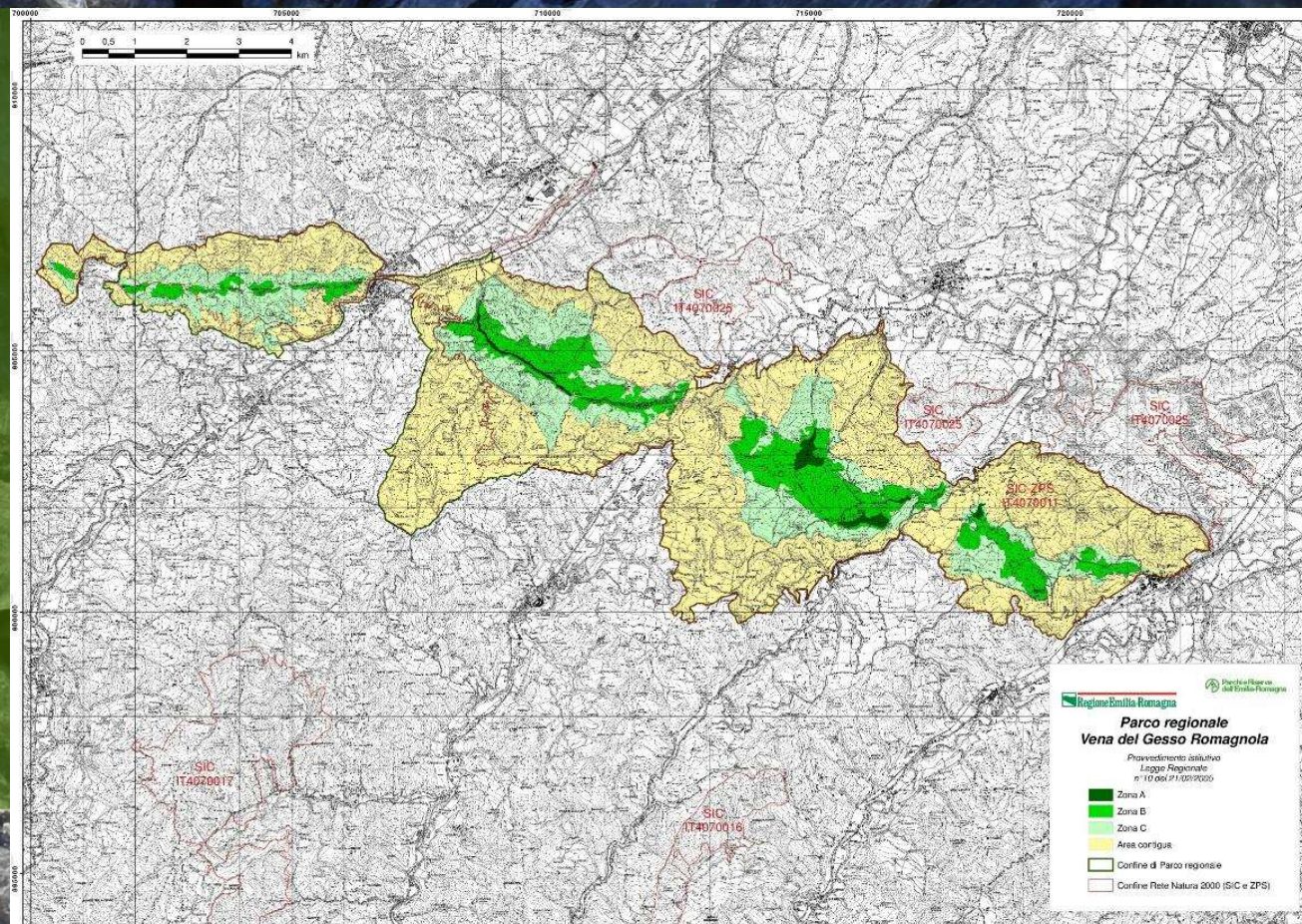


6.000 hectares (60 Km²)

25 Km long

Altitude 100 – 515 m.

Medium quote of the
gypsum steep slopes
400 m.



Natural Park Vena del Gesso Romagnola









Gypsum ($\text{CaSO}_4 + 2\text{H}_2\text{O}$) is a salt.

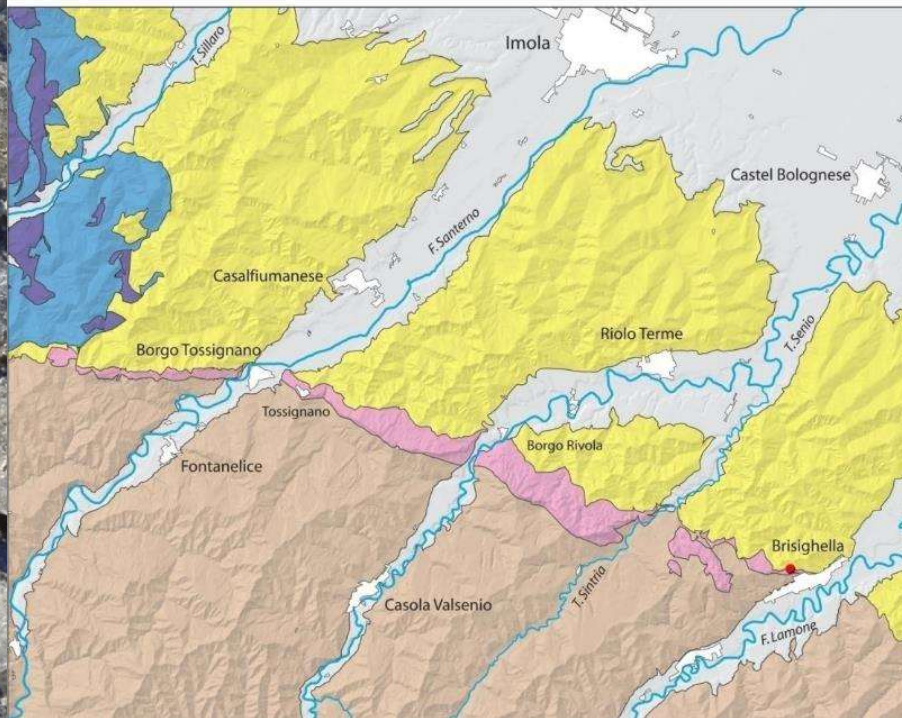
It precipitated in coastal lagoons about 6 millions of years ago (Miocene, Messinian) during a long drought era, when the Adriatic Sea dried up, being isolated from the Atlantic Ocean.



Natural Park Vena del Gesso Romagnola



	Coperture alluvionali		Depositi marini miocenici Formazione Marnoso-arenacea
	Depositi marini plio-pleistocenici		Unità epiliguri
	Depositi evaporitici messiniani Vena del Gesso		Unità liguri



Gypsum is a rare rock, made of just one mineral, having the same name of gypsum.

The other main Formations in the Park are the flysch of Marnoso-arenacea and the Plio-Pleistocenic blue clays (badlands).

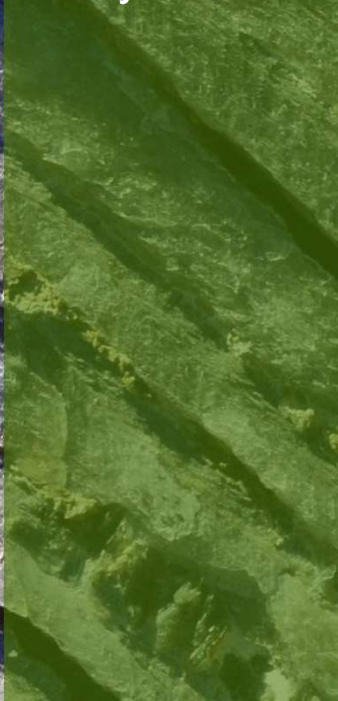


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There are over than 220 caves; total length is more than 40 Km. Moreover, sinkholes, blind valleys, candle erosions, karrens: **karst is the most important value of the Park.**











The Vena del Gesso romagnola is a candidate for UNESCO World Heritage Site, together with two other gypsum formations in Emilia-Romagna (Gessi Bolognesi, Gessi Triassici), and has already been included in the national tentative list (January 2018)

Natural Park Vena del Gesso Romagnola



The slopes run from East to West, so they are facing South on one side and North on the other one: this causes a local warm and dry microclimate by one side and a cool and shady microclimate on the other one, with very different ecosystems on the two slopes (about 50 plants associations and 17 habitats in the annex I of directive 92/43/EEC).

Southern slopes
with *Quercus
ilex* and
Mediterranean
maquis



The vegetation
of gypsum rocks
(*Alyso-sedion
albi*)



Northern slopes
with *Tilia x
vulgaris* and
mountain forests



The
chasmophytic
vegetation of
cave entrances



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1.000 species of plants



22 species of Ferns

Cheilanthes persica is an Asian species growing only here in Italy at its western distribution limit



30 species of
Orchids

Himantoglossum adriaticum is the only plant species protected by the Directive 92/43/CEE

One endangered IUCN species, the endemic *Bellevalia webbiana*



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The endemic
Italian Cave
Salamander
(*Speleomantes
italicus*), living in
caves

There are 14 species of
nesting raptors; the Short-
toed Eagle (*Circaetus
gallicus*) and the Eagle Owl
(*Bubo bubo*) are the most
important



The Wolf (*Canis lupus*)
with two/three families
and the Wild Cat (*Felis
silvestris*) are the most
important predators



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Bats, with 19 species and 8 species in the annex II of the 92/43/EEC directive, are the most important group of animals.

There are big wintering colonies, the largest with **18.000 individuals of Schreibers' Bat** (*Miniopterus schreibersii*)...



19 species of
Bats

...and important breeding colonies, including the very rare Mediterranean Horse-shoe Bat (*Rhinolophus euryale*).



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A long human presence, starting during the prehistorical Copper Age until the Contemporary Age, through the Roman Age and the Middle Age and Renaissance, with always new and different links between men and gypsum.



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Brisighella extra-virgin Olive Oil PDO
Romagna CDO Wines: Sangiovese, Albana (CGDO), Trebbiano, Cagnina
Peaches of Romagna PGI
Shallot of Romagna PGI
Chestnuts of Castel del Rio PGI
Cow *Romagnola* Breed PGI
Sheep of Emilia-Romagna CQ



Natural Park Vena del Gesso Romagnola



Facilities for visitors:

- two visitor centres;
- one geological museum;
- one archaeological museum;
- one botanical garden;
- eight hiking paths;
- two MTB routes;
- three tourist caves.



Natural Park Vena del Gesso Romagnola



We concluded in 2014 the LIFE08 NAT/IT/000369 - GYPSUM

We are now carrying on two LIFE projects:

LIFE14 NAT/IT/000209 – EREMITA

LIFE 16 NAT/IT/000245 – LIFE 4 OAKFORESTS



The LIFE EREMITA in Romagna



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Graphoderus bilineatus

The species is extinct in Romagna.

Identification of two lakes suitable for the species in the site IT4070011 Vena del Gesso Romagnola.

Collection of adults from populations genetically similar to the Italian one and breeding at the “Oasi Aquae Mundi” (Russi).

Release of bred individuals in the suitable lakes of public property or after agreement for the management with the owners.







Coenagrion mercuriale

The species has in Romagna the most important population of Northern Italy, in two sites:

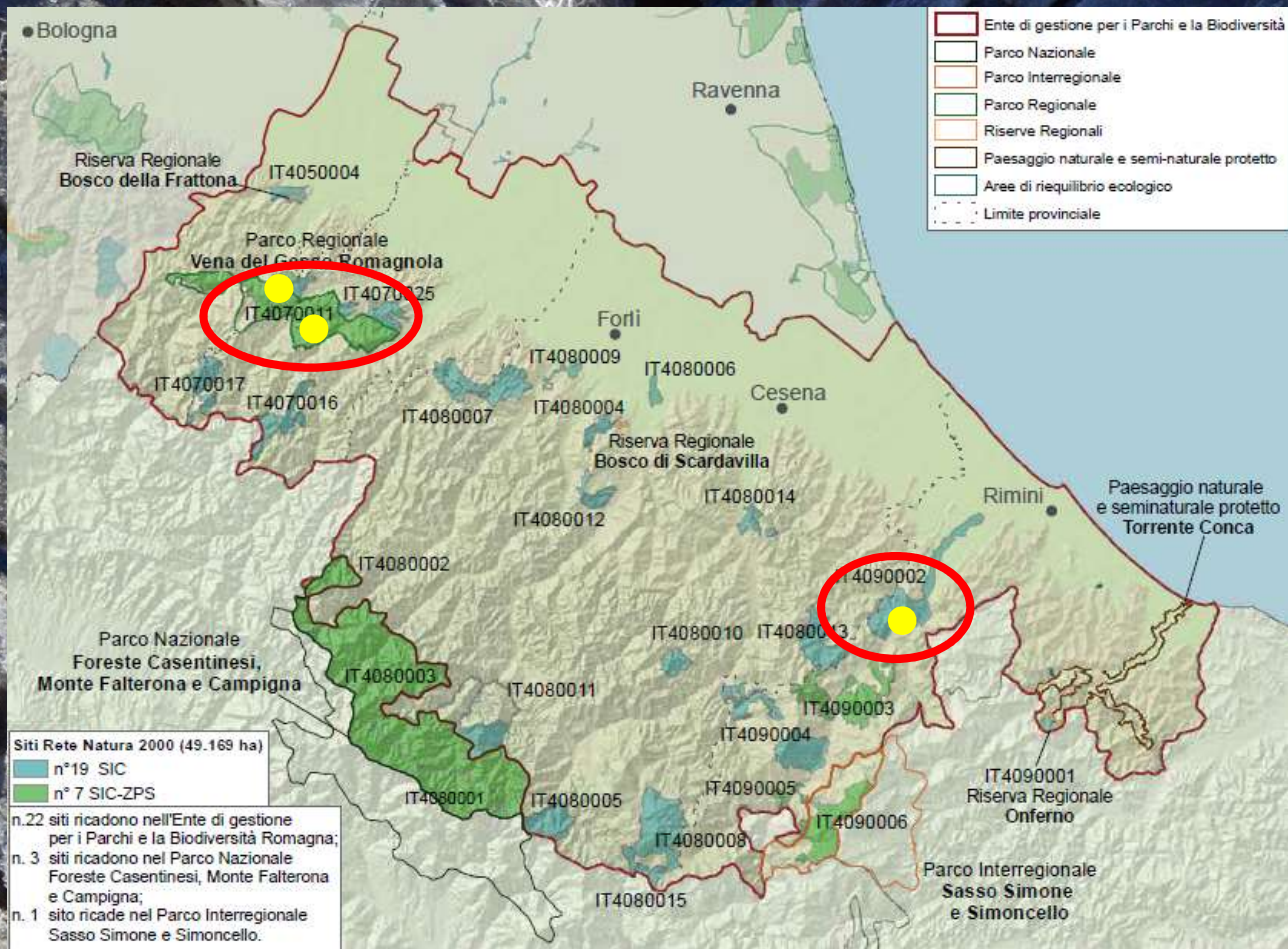
IT4070011 Vena del Gesso Romagnola

IT4090002 Torriana, Montebello, Fiume Marecchia.

Interventions on 5 streams in the Vena del Gesso and in 1 stream by the Marecchia.

Cutting of the riparian vegetation (trees, bush) to let the sun light reach the riverbed and increase the development of aquatic herbs, essential for egg laying







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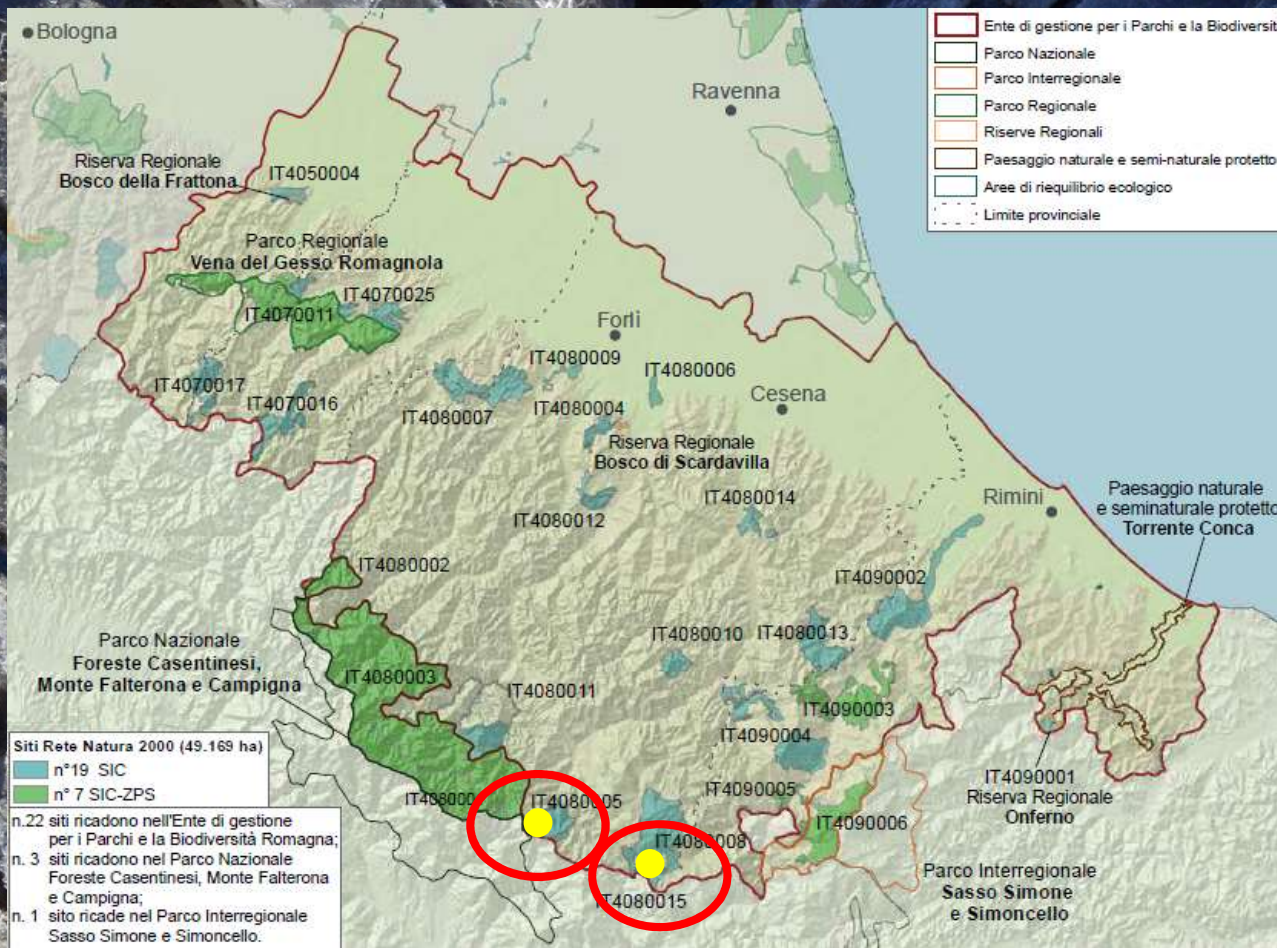


Rosalia alpina

The species is rare in Romagna, out of the National Park Foreste Casentinesi (managed by another partner of the project) it was found only in two sites IT4080008 Balze di Verghereto, Monte Fumaiolo, Ripa della Moia and IT4080005 Monte Zuccherodante.

Intervention on 16 trees in this site, to make them suitable for the species (create dead wood).







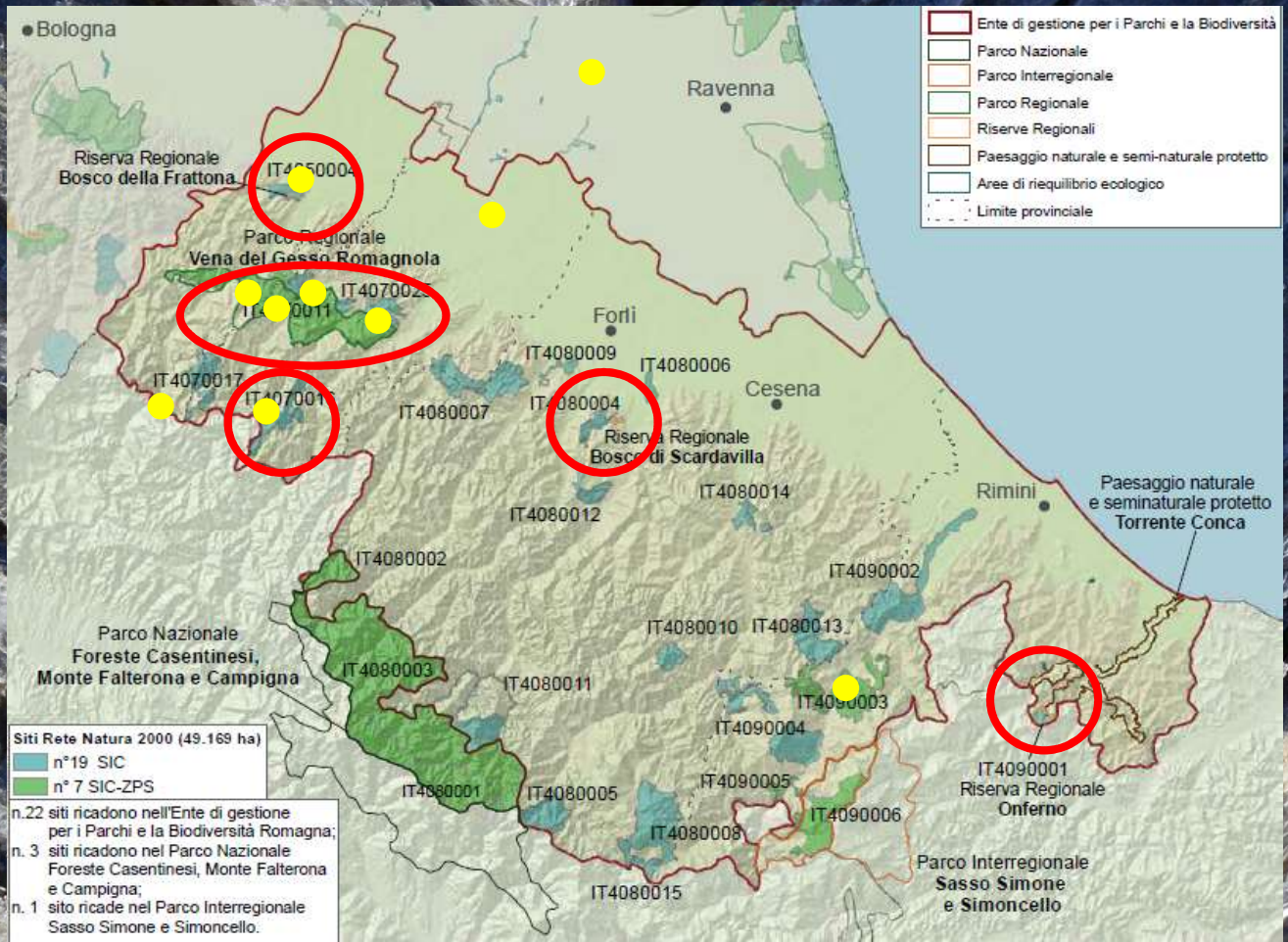


*Osmoderma eremita**

The species is rare in Romagna, with scattered and isolated population.

Individuals or breeding sites were found in several sites.







*Osmoderma eremita**

Collection of larvae from trees to cut along the roads, to start breeding, at the “Oasi Aquae Mundi” (Russi).

Identification of forest intervention sites and, in the selected forests:

- location of the wood mould boxes (filled with the litter and, subsequently, with the bred larvae) on old, big trees;
- realization of interventions on the trees (at least 25 cm DBH), to make them suitable for the species (creation of cavities, creations of dead parts, pollardings) and isolation of the tree, with cutting of the surrounding vegetation.





*Osmoderma eremita**

This interventions will be on 106 trees, creating 8 new population complex sites, at such a distance from each other that they can be in contact with respect to the displacement capacities known to the species.

The SCI/SPA involved are five: IT4050004 Bosco della Frattona; IT4070011 Vena el Gesso Romagnola; IT4070016 Alta Valle del Torrente Sintria; IT4080004 Bosco di Scardavilla, Ravaldino; IT4090001 Onferno.





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MAR 10 Ctenochrysa
15/1/12 1723
1° q. rice. Partenza 17/1/12
28/1/12 spuntata da piccoli anelli

10
MAR

MAR 11 Ctenochrysa
14/1/12 1522
3° q. rice. Partenza 17/1/12
28/1/12 spuntata da piccoli anelli

11
MAR



NATURA 2000



Life
eremita

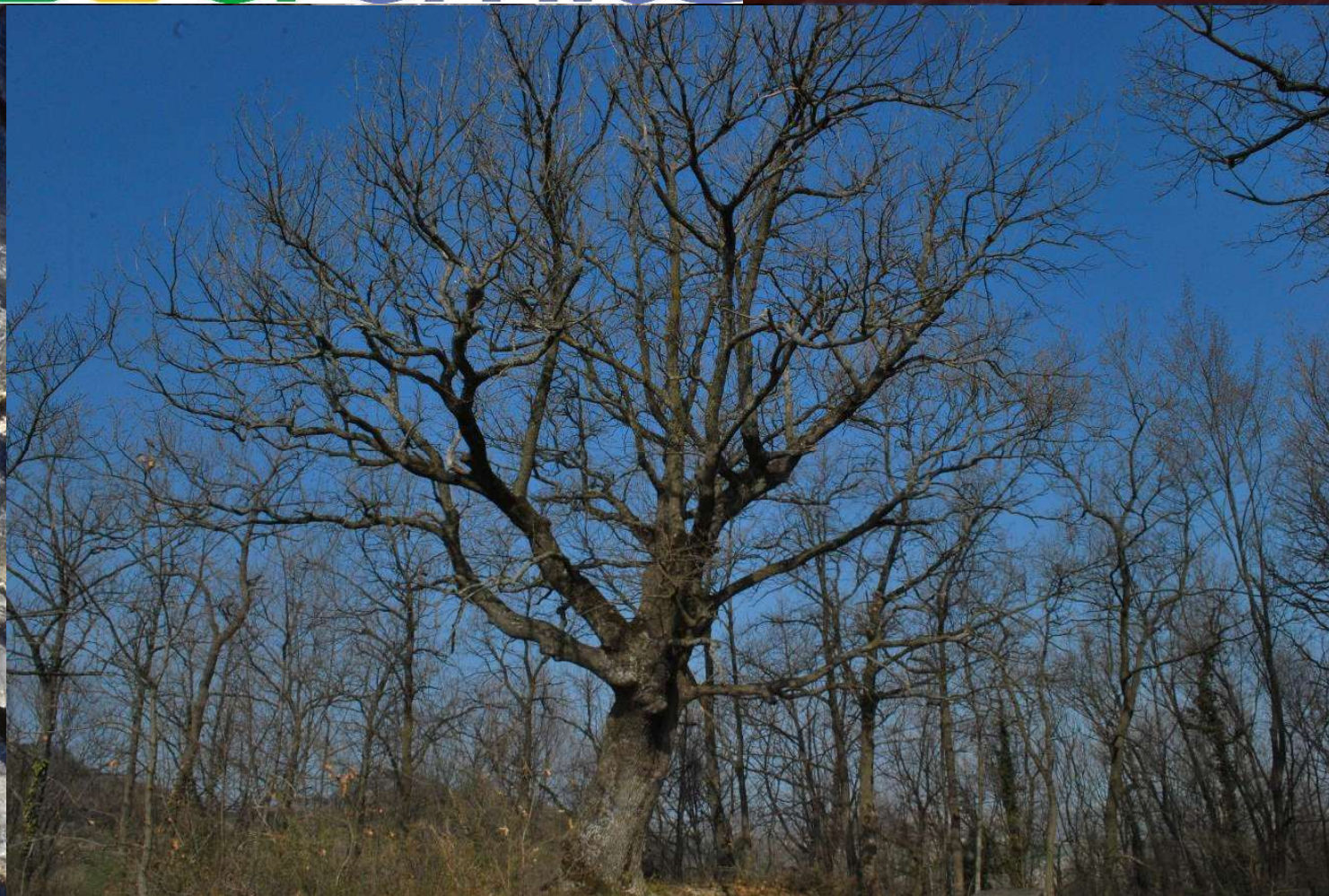


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Thank you



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