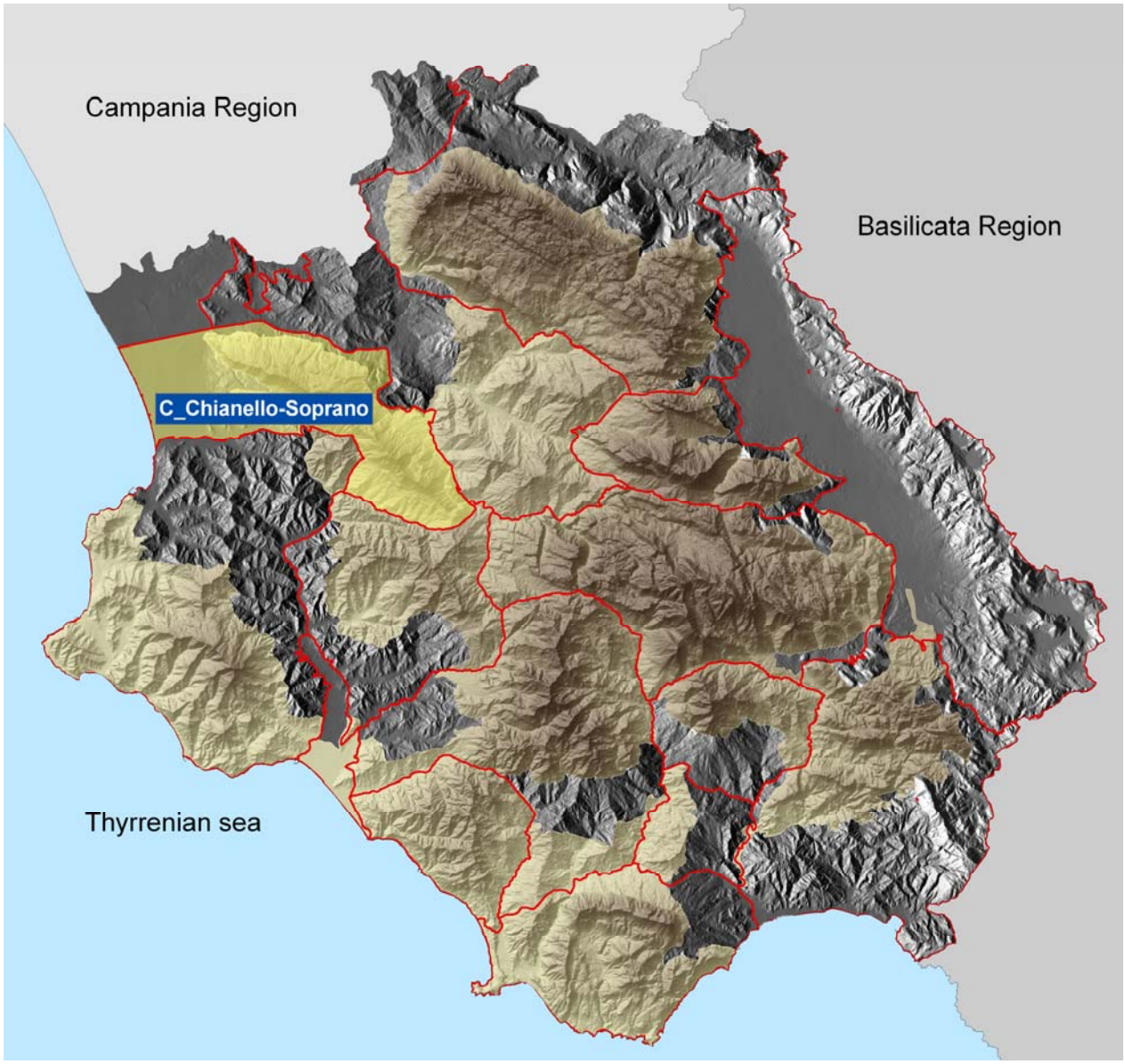
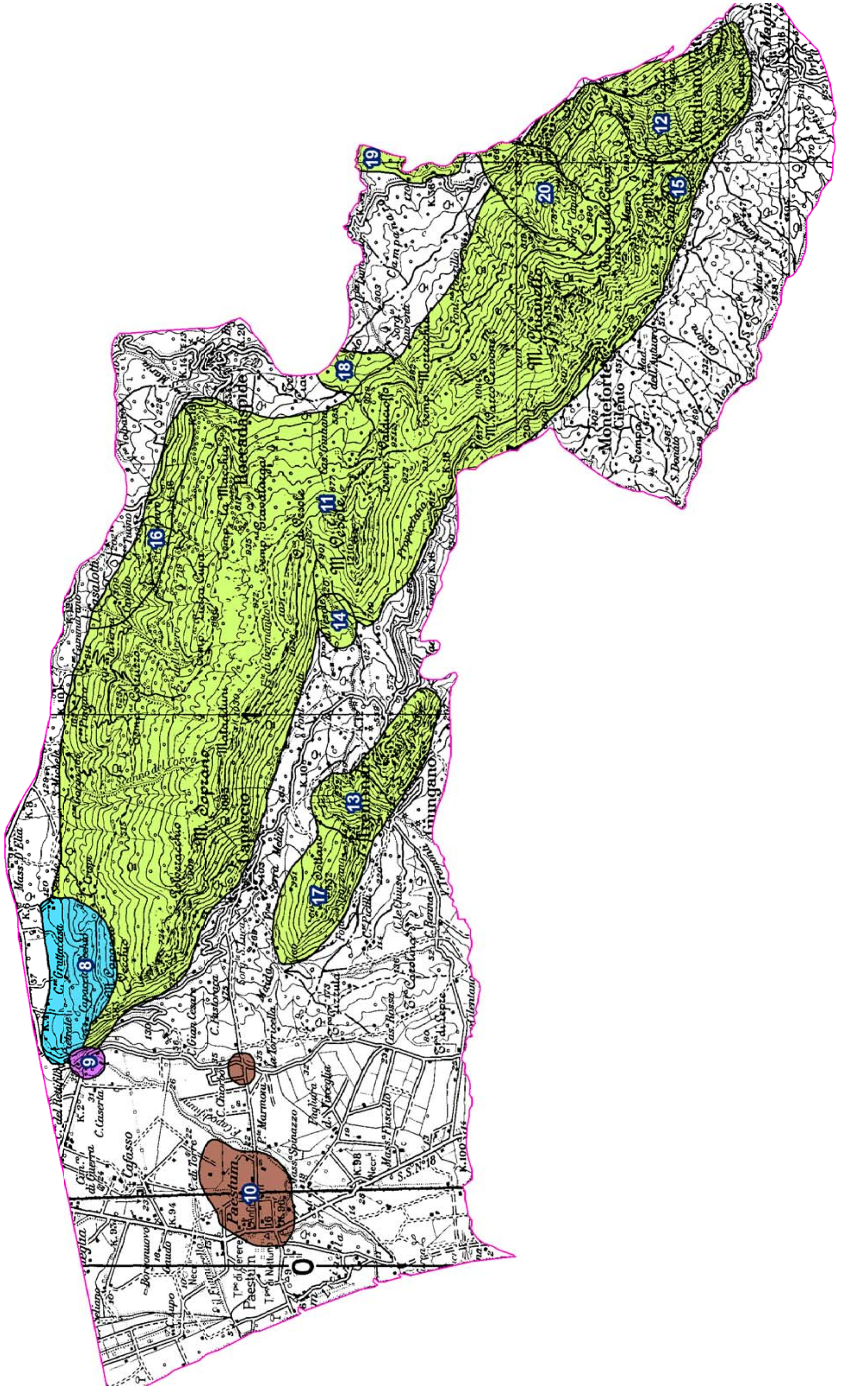
LANDSCAPE AREA
C_ CHIANIELLO-SOPRANO MOUNTAIN

Included Geosites

Id_denomination	Imp.	Id_denomination	Imp.	Id_denomination	Imp.
8_ Lady of Granato (M. Vesole)	M	13_ River Karst canyon of Trentinara	S	18_North side of Vesole mountain	S
9_"Capo di Fiume" Springs	F	14_Limestones of Vesole Mountain	S	19_River Calore terrace- Castel San Lorenzo	S
10_Paestum travertine	C	15_Fossils of Magliano Vetere	S	20_Landslide DGPV of Chianiello Mountain	S
11_Vesole-Chianello Mountain	S	16_Quarry of Roccadaspide	S		
12_River Karst canyon of Magliano Vetere	S	17_Sottano Mountain	S		

M=Main **F= Focal** **C= Complementary** **S= Secondary**





8
9
10
11
12
13
14
15
16
17
18
19
20
Paestum
M. Soprano
Capaccio
Monteforte Cilento

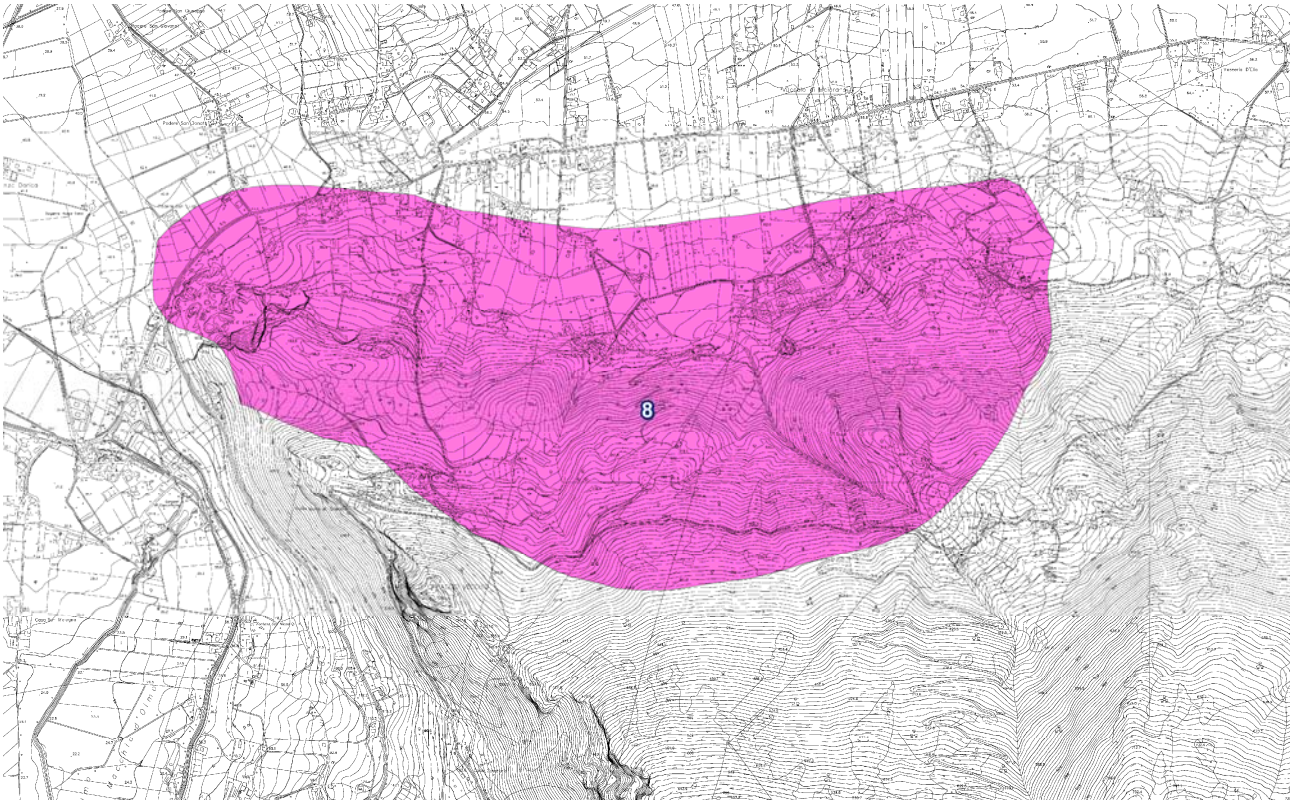
MAIN GEOSITE

8_ Lady of Granato (M. Vesole)

Ubication	Altitude	Accessibility		Fruition	
Nation - ITALY					
Region - CAMPANIA	300 m. s.l.	feet		trackway	
Province - SALERNO	**Distance**	car	X	recreation	X
NATIONAL PARK		boat		restaurant	
Municipality - CAPACCIO	50 Km. from National Park office	other		exposition	

INTEREST (1= primary - 2 = secondary)

GEOLOGICAL				*SCIENTIFIC*		*OTHER*	
Structural		Mineralogical		Rare (conservation experimentation)	1	Didactical	2
Stratigrafical		Hydrogeological	1	Popularization		Hikers/trecking	
Geomorphological	1	Paleontological	2	Rappresentative		Archeological	
Sedimentological		Karsic		Mondial/European	2	Naturalistic	
Paleoenviromental	2	Paleobiological		National/Local		Historical/religious	2



Cartography of Main Geosite

DESCRIPTION

The landscape Chianiello-Soprano is characterized by geological Unit of Alburno-Cervati-Pollino. In this landscape outcrop Ittiolitic levels, tertiary red bauxitic clay and the formation of Trentinara.

Within Chianiello Soprano 13 individuals geological sites were surveyed, including one main represented by the “Madonna del Granato”. This geosite is characterized by outcrop of formation of Trentinara, an example of stratigraphic steps and palaeoenvironmental changes between Eocene (about 45 millions years ago) and Miocene (20 Millions years ago) soils. It is evident the progressive drowning of the ancient carbonate platform.

We can also find: the focal geosite denominated springs of “Capo di Fiume”, basal springs of Vesole Chianello Mountain and Cervati Mountain, with highly mineralized water, responsible for the formation of the travertine rocks of Paestum; the complementary geosite like the archaeological area of Paestum where outcrop travertine rocks used for the construction of the ancient Paestum.

In general, the other geosites are conditioned by the carbonate outcrops: the Vesole and Chianiello Mountains, examples of asymmetric ridges in carbonate soils with slopes layer and slopes of fault related to Plio-Quaternary uplift (3-2 Millions years ago); the Sottano mountain tectonic example; Magliano Vetere with the fossiliferous layers of flora Sapindopsis sp. FONTAINE (Sapindaceae) Cenomanian age (90 Millions years ago); the Vesole Mountain- layers of fissile limestone of Trentinara formation, with rich fossil levels like as crustaceans (Paleocene - 50 Millions years ago); the fluvial karst canyon of Trentinara and Magliano Vetere, classic and educational examples of the superimposed canyons. These geosites can be interpreted like valleys produced by the interplay of fluvial and karst processes (in the past 2 Millions years ago), and characterized by various types of evolution and development (with abandoned valleys or upstream side).

Fluvial terraces and calanques as a result of erosive quaternary phase (last 2 Millions years ago) of the Calore river; quarry in calcarenites of Roccadaspide as an example of using limestone as an ornamental stone. Finally, it’s important to remember an another type of geomorphological site: the deep gravitational slide of Chianiello Mountain.

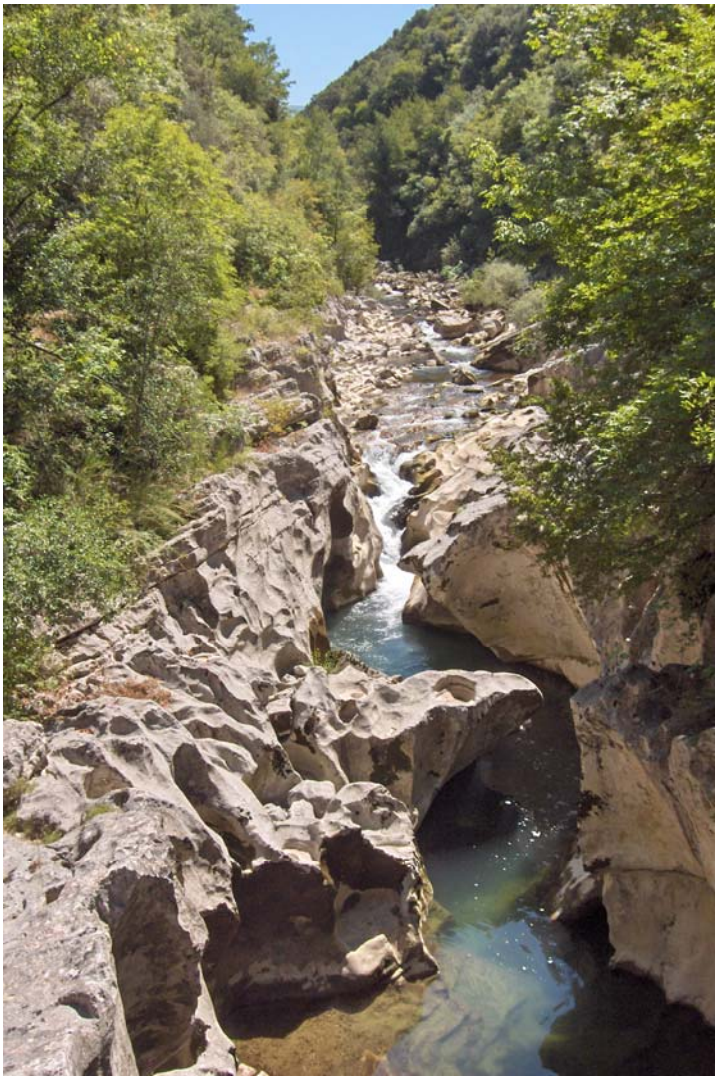
Geosite 8_ Lady of Granato (Vesole Mountain)

Geosite 9_”Capo di Fiume” Springs

Geosite 10_PaestumTravertine

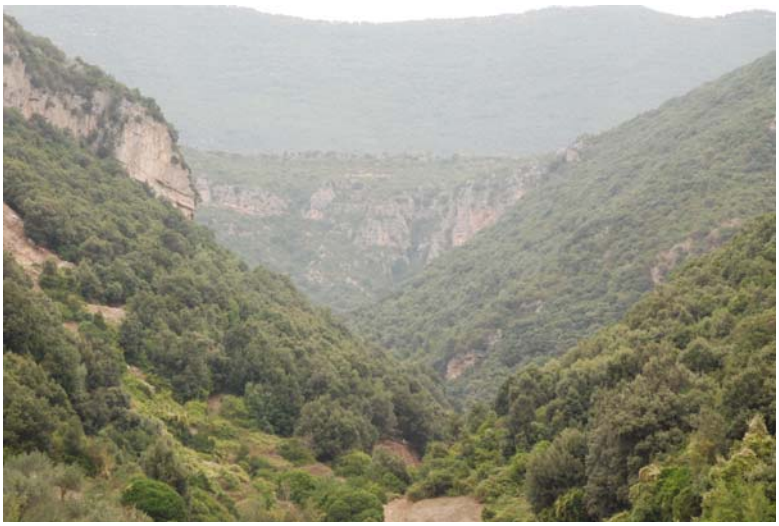
Geosite 9_”Capo di Fiume” Springs

Geosite 12_River Karst canyons of Magliano Vetere



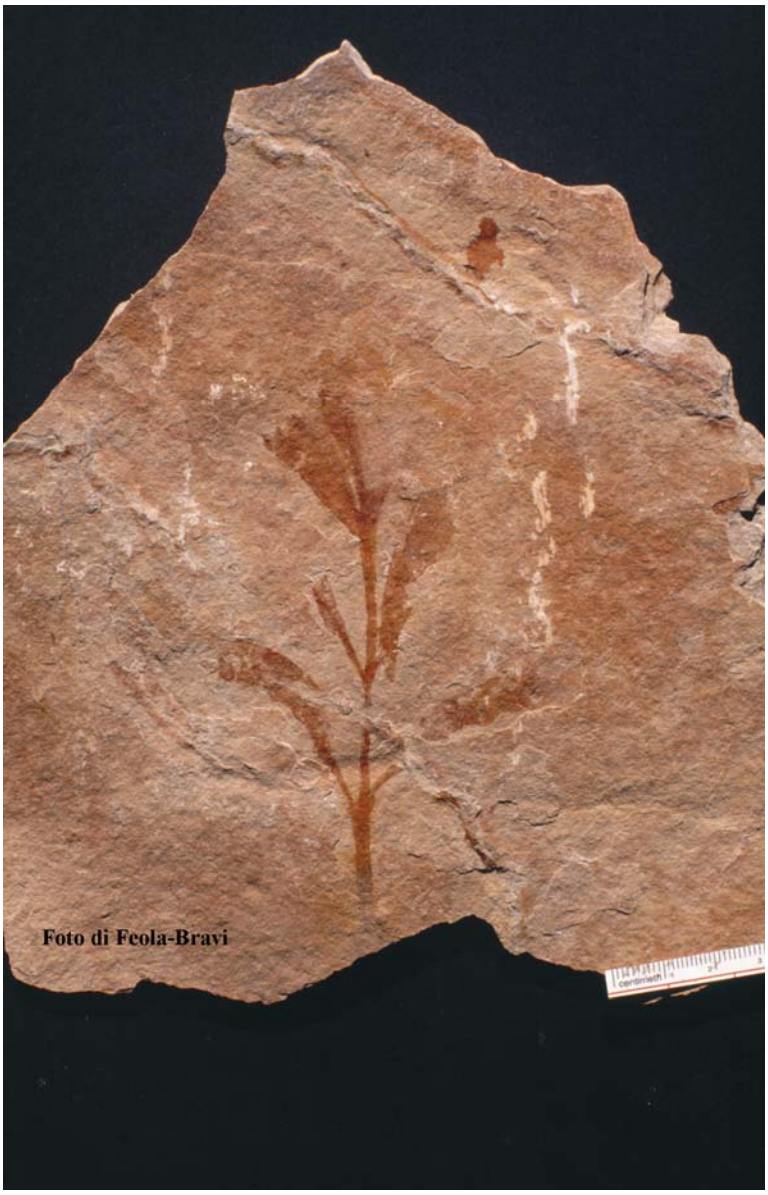
Geosite 12_River Karst canyons of Magliano Vetere

Geosite 12_River Karst canyons of Magliano Vetere



Geosite 13_ River Karst canyons of Trentinara

Geosite 14_Limestones of Vesole Mountain with fossils—Palaemon Vesolensis



Geosite 15_Fossil of Magliano Vetere -Sapindopsis