

Mountain reliefs in Campania Region, South Italy, are largely made up of carbonate rocks of the Meso-Cenozoic age. The caves are developed mainly in the limestone of the Cretaceous carbonate platform. Volcanic cavities of Somma - Vesuvius and island of Ischia are few in terms of numbers and very limited in terms of development.

## Caves distribution



## KARST WATERS

The most important springs in the region are powered by karst systems, with high seasonal flow rates. From these springs originate the main rivers of Campania: Sele, Calore Lucano, Calore Irpino and Picentino. Hydrogeological connection between sinkhole and spring (karst resurgences) has often been ascertained by speleological explorations or tracing tests. This is the case of Auso Spring, in the central sector of the Alburni Mounts, and river Bussento-resurgence of Morigerati on Cilento Coast, in Salerno province. Others important "swallow hole-resurgence" systems, significant for water supply and drinking water, are: Cassano Spring, connected to the Volturara polje, Picentini Mounts, and Torano Spring connected to the Matese Massif and its lake.



## SPELEOLOGICAL CLUBS OF CAMPANIA FEDERATION

- Gruppo Speleologico CAI Napoli
- Gruppo Speleologico CAI Salerno
- Gruppo Speleologico CAI Avellino
- Gruppo Speleologico G. Rama (Bagnoli Irpino - AV)
- Gruppo Speleologico Natura Esplora (Summonte - AV) - SSI
- Gruppo Speleo Alpinistico Vallo di Diano (Pertosa - SA) - SSI

## MAIN AREAS WITH SPELEOLOGICAL INTEREST

- Massiccio del Matese
- Monte Maggiore
- Massiccio Taburno Camposauro
- Monti Tifatini
- Monti di Avella e del Partenio e dei Monti di Sarno
- Il Somma Vesuvio
- L'isola d'Ischia
- Monti Lattari e isola di Capri
- Monti Picentini
- Monti Alburni
- Massiccio del Cervati
- Monte Bulgheria e Monti di Sapri
- Monti della Maddalena

## CAVE CADASTRE DATA

GROTTE CENSITE	1261
RILIEVI ESISTENTI	1238
RILIEVI PRESENTI IN WEBGIS	906
SCHEDA CATAST. regionale	SI
LEGGE REGIONALE	No
SCHEDA CATAST. incomplete	103
SISTEMA DI RIFERIMENTO	UTM - WGS 84

## The longest caves (>2000 meters)

Grotte di Castelcivita	5400 m
Grotte del Caliendo	3700 m
Grotta di Pertosa	3300 m
Grotta di Campo Braca	3300 m

## The deepest caves (> 400 meters)

Grava del Fumo	- 443 m
Grava dei Gentili	- 437 m
Inghiottitoio dei piani III di S. Maria	- 417 m
Grava del Campo	- 403 m
Grava I dei Gatti	- 402 m

## CAVE CADASTRE OF CAMPANIA

The Cadastre of campanian caves is managed by the Federazione Speleologica Campana, FSC (Campanian Speleological Federation). On 2004, in collaboration with the Campania Regional Government, FSC developed the Geographic Information System (GIS) of Natural Cavities, followed by the publication of the WEBGIS (<http://sit.regione.campania.it/catastogrotte/>) on the regional cartographic portal in 2007.

Many data, dated back to the '70s, have been updated and in some case old surveys have been revised by modern topographic techniques, emphasizing important differences.

