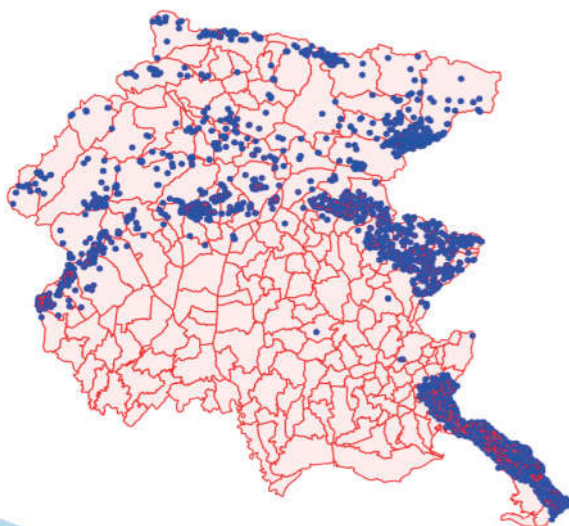




40% of the whole region and 60% of the mountainous area consist in carbonate rocks. Two areas stand out among these many: The Karst, from which the same phenomenon of “carsism” took its name, and the Canin massif, well known in all Europe for the surface and underground phenomena

Caves distribution



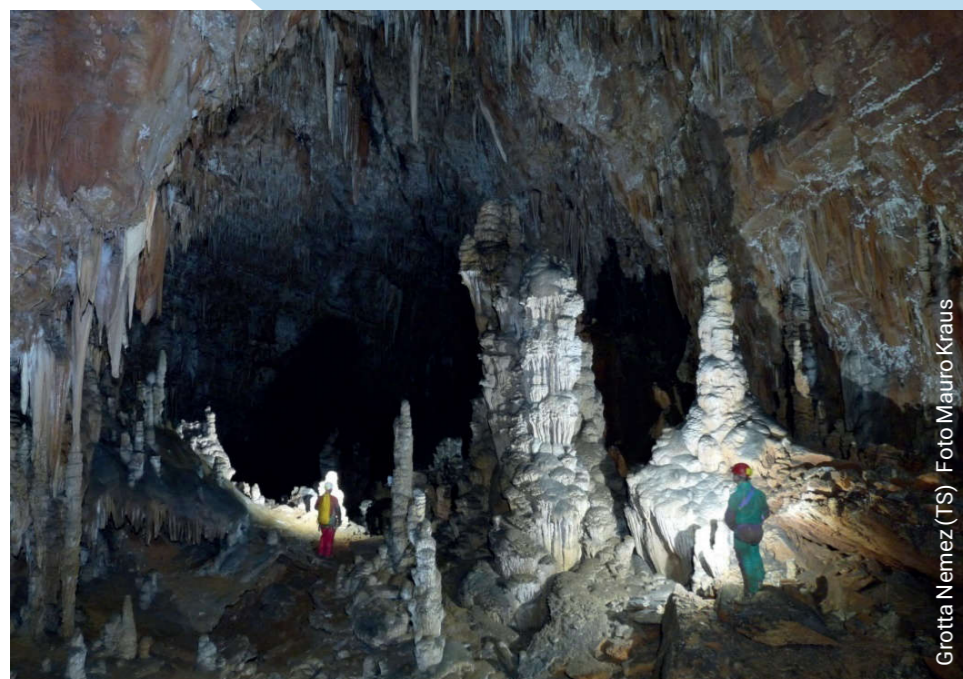
THE KARSTIC SYSTEMS

In the 7,800 km² of the region, a little more than 20 caves present a depth of more than 500 m, and a dozen a spatial development of more than 5,000 metres.

The most extended is the Col delle Erbe complex, with more than 40 Km of tunnels. This complex is located not far from the Foran del Muss complex (approx. 25 Km) which, with its -1,118 m, is the deepest cave in the district. Both are in the Canin Massif area (UD), and have been the subject of decades-long explorations: if a link among them would be found, the system would become one of the most extended in Italy.

KARST WATERS

The region abounds with waters and karstic springs, spread out on the whole district. Significant and mysterious is the underground course of the Timavoriver, which sinks in Slovenia to resurface in Italy close to Trieste. Other consistent karstic springs are located in the Udine province (Fontanon di Timauand - Fontanon di Goriuda) and in the Pordenone province, where the *Risorgiva del Gorgazzo* can be found.



Grotta Nemez (TS) Foto Mauro Kraus

Groups member of the Federazione Speleologica Regionale del Friuli Venezia

- Associazione Speleologica “Forum Julii Speleo”
- Centro Ricerche Carsiche “C. Seppenhofner”
- Circolo Speleologico Idrologico Friulano
- Circolo Speleosub Sandanielese “Tane dal Lôf”
- Club Alpinistico Triestino – Gruppo Grotte
- Gruppo Esploratori Lavoratori Grotte di Villanova
- Gruppo Grotte Associazione XXX Ottobre CAI TS
- Gruppo Grotte “C. Debeljak”
- Gruppo Speleo “L.V. Bertarelli” CAI Gorizia
- Gruppo Speleologico Carnico “M. Gortani” CAI Tolmezzo
- Gruppo Speleologico Flondar
- Gruppo Speleologico Monfalconese “Amici del Fante”
- Gruppo Speleologico Pradis
- Gruppo Speleologico Sacile
- Gruppo Speleologico San Giusto
- Gruppo Speleologico Talpe del Carso
- Gruppo Speleologico Valli del Natisone
- Gruppo Triestino Speleologi
- Società Adriatica di Speleologia
- Società di Studi Carsici “A.F. Lindner”
- Športno društvo - Associazione Sportiva Grmada
- Unione Speleologica Pordenonese CAI

1.000 estimated speleologists
26 speleological associations
5 show caves
6 mountain huts and bivouacs
8 museums and structures for education

CADASTRE DETAILS

The Federazione Speleologica Regionale of FVG managed the Regional Cadastre for 10 years until 2017. The new Speleological Regional Cadastre is currently located in Trieste via Sant’Anastasio 3, in the offices of the Regione Autonoma Friuli Venezia Giulia (catastogrotte.fvg.it)

N° of caves registered in the cadastre	7939
N° of caves entrances	8700
N° of entrances equipped with identif. plates	2093
N° of caves systems	34
Datum of entrance coordinates	Metriche UTM WGS84
N° of photo in digital cadastre	9819
Used Software	Web based, PostgreSQL, webgis, with cave history
Software localization	Italian, slovenian

The longest caves (> 5.000 meters)

Complesso del Col delle Erbe	circa 40.000
Complesso del Foran del Muss	circa 24.000
Grotta Nuova di Villanova	8.020
Complesso Fossa del Noglar-La Val-Mainarda-Battei	6.924
Grotta Claudio Skilan	6.400
Sistema Abisso Fonda-Grotta Laricetto-Abisso Sisma	oltre 6.000
Grotta Egidio Feruglio	5.520
Complesso del Monte Cavallo di Pontebba	5.700
Risorgiva di Eolo	5.316

The deepest caves (> 700 meters)

Complesso del Foran del Muss	1.118
Abisso Led Zeppelin	1.020
Complesso del Col delle Erbe	880
Abisso Col della Rizza	796
Abisso Queen Mama	790
Sistema del Col Lopic	770
Sistema Abisso Fonda-Grotta Laricetto-Abisso Sisma	770
Complesso S20-S31-FDZ2	760
Abisso Amore Quanto Latte	740
Abisso Capitan Findus (NET 15)	735
Abisso a SE della Quota 1972 (ET5)	726
Abisso Il del Poviz (Gronda Pipote)	720

THE FVG DISTRICT AND THE CADASTRE OF CAVES

The Federazione Speleologica Regionale of Friuli Venezia Giulia was established in 1997. It organises exhibitions, regional meetings and speleo-congresses. It has authored many thematic publications and, for more than 10 years, edited the paper edition of the monthly newsletter *La Gazzetta dello Speleologo*, now an online magazine. It has organised speleological expeditions and scientific researches. It promotes and coordinates campaigns for the protection of the environment, training courses and stages and other initiatives always at a regional level. It has developed many projects among which the promotion of Led lamps instead of acetylene torches and the positioning of identification plates by the entrance of natural cavities. From 2007 and for 10 years it has managed, thanks to an agreement with the Regional Governmental Authority, the Regional Cadastre.



Grotta Nuova di Villanova (UD) Foto Gianni Benedetti