

2022 Highlights

From expeditions:

Muérdago from zero >> L=2131m d=213m ([#2081](#))

Fridge Door Cave from 265m >> L=1248m ([#1800](#))

[Vallina](#)

- MCP - Zona Blanca +174m
- Catalan cavers (survey issues)
- French cavers; Torca Rotura linked ([#0753](#)) L=36.8km (126th world)
- Guy Simonnot sharing info – another 79 sites (Arredondo side) added to MCP inventory

Fuente de Villanueva zero >> L=782m ([#5023](#))

Oñite / Risco +209m L=11.8km

[Torca la Decepción](#) 216m >> 2335m >> 70059m (4 Valleys System) (45th)

[Carcavuezo](#) +273m (start resurvey *Sewers of Doom*)

In 2022 over 8km passage discovered – most of it surveyed

Digs

Bollón, Tonsillitis, etc etc

Other (for new members and old hands)

Windfarm threat disappeared. Not on karst areas.

December weekend of talks and activities – [FCE](#) – Pete Smith

Website facilities and “new” tech for documenting sites

Lots of videos on YouTube – [underground](#),

Drone: [surface](#), panoramic photos to be viewed in a 360° viewer

360° photos – [best for entrances?](#) (viewed in Ricoh Theta)

360° [video: lighting issues \(no. of lights and positions etc etc\)](#)

Patrick Warren’s app allows a Survex 3d file to be built from paper surveys

Any new sets of pics will be presented on line using a [slide show](#)

Other new-ish facilities [FAQ](#); [easy cave search](#); [Bibliography / webography](#)

Could we use What3Words? (Integrated in QGIS) Cave entrances; rescue? Coterón (receipts.manlike.wedge or origen.escuchada.medios)

[Cave levels](#) – document from Pete Smith

New research project from Lancaster University: Speleothem Phosphate

Palaeothermometer. Cueva Llanío used as sample source. Peter Wynn, Andi Smith +

"Establishing a universal speleothem thermometer will provide a platform from which precisely dated, independent temperature records can be confidently obtained on a near-global scale. This is a significant gap in the terrestrial palaeorecord which, if resolved would drive a paradigm shift in understanding of spatial and temporal connectivity in global climate."