

Biodiversity Mapping in Bue Marino Cave



GUE PROJECT BRIEF - 2024

The caves in the Gulf of Orosei, east coast Sardinia, are all connected to and accessed by the sea. Marine life can be found quite far into the cave. By observing, surveying and mapping of the observed life forms a map is created to show the distribution of marine or cave specific life forms respectively.



In the picturesque gulf of Orosei, different cave systems end (or start from a cave divers perspective...) in the sea. For this reason, divers find for the first hundred meters salt water layered with fresh water in the caves. And with the sea water, life forms from the sea enter the cave. In 2024 we finished a detailed survey of the cave „Bue Marino“ and started adding layers of additional information - like saltiness, depth of halocline and a layer with the observed life forms. All this information will lead to a more general understanding of the hydrology and its effects on the land surface in the gulf.

In the coming years we will collect more data, more detailed and covering more of the various interesting aspects that can at the end describe the cave.

STATUS: **ACTIVE** - to be continued in 2025

LOCATION: Gulf of Orosei, Cala Gonone, east Sardinia, Italy.
CONTACT: Peter.g@gue.com, pgaertner on Insta



Diving level required: At least C1.

The project is open to beginners in cave project diving to a certain extent. Participants will learn a lot from experience and given tasks as well as being guided through the week by Peter Gaertner and experienced participants. Great chance to extend your experience level!

Benefits: C2, Survey, cave DPV, profound photo / Video skills