

Environmental parameters monitoring in the oldest show cave of Italy: Bossea Cave

Original

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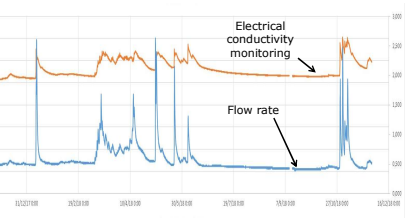
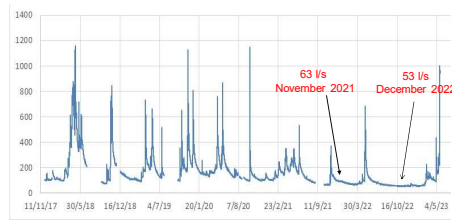
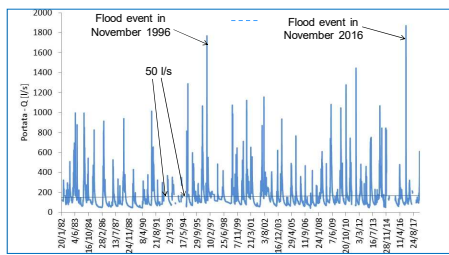
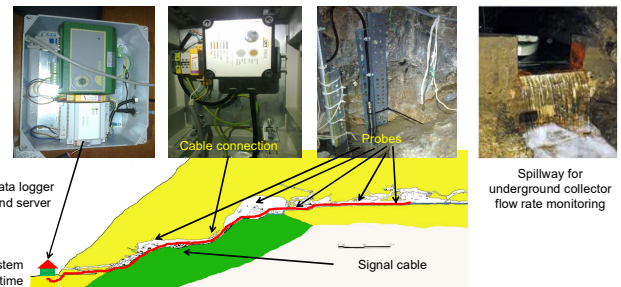
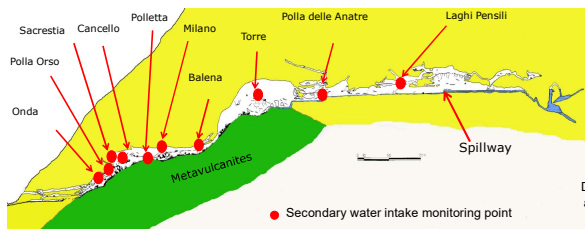
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Three underground karst laboratories are present in Bossea cave for environmental parameters monitoring:

1 - Bossea Karst Hydrogeology Lab: water flow, temperature and electrical conductivity monitoring

Bossea cave is located in Frabosa Soprana municipality, Piedmont, Italy. It is the first Italian show cave, opened to the public in 1874.



2 - «Giovanni Badino» Climatological Research Center of Bossea Cave: air-rock-water temperature and CO₂ concentration monitoring

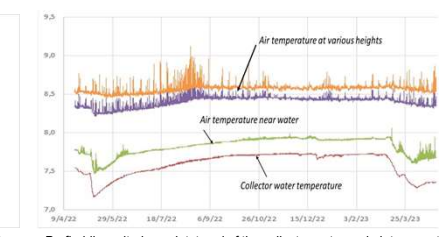
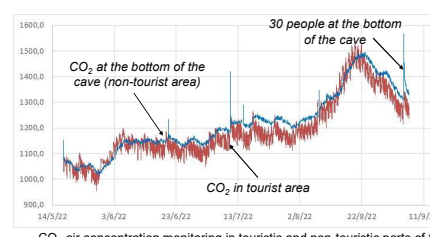
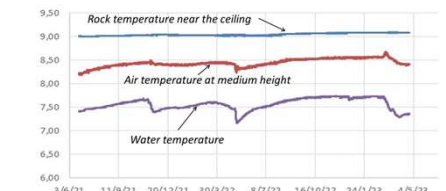
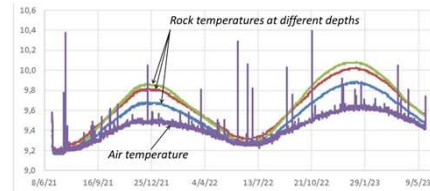
Data loggers are housed in boxes to be protected from air humidity

Probe for air temperature monitoring

The monitoring points in the touristic area of Bossea Cave

CO₂ air concentration data logger

CO₂ air concentration probe



3 - Underground Karst Laboratory of Bossea (S.O. Bossea CAI): air-water-rock radon concentration monitoring

