

FURTEI GOLD MINE AND SARDARA THERMAL SPRING

The **Furtei gold mine** in Sardinia (Italy) lies some 40 km North of Cagliari and exploited a volcanic-hosted high sulphidation epithermal deposit. Large amounts of materials derived from exploitation, are present in open pits, waste rock dumps and cyanidation tailings impoundment. Mineralized rocks in outcrops and waste dumps contain significant amounts of sulphides (mainly pyrite and enargite). These materials have a high potential for acid drainage generation and release of toxic elements (notably Cu and As, but also Al, Ni, Co and Cd). Furtei mine has been monitored by the University of Cagliari for dozen years. Reclamation of the mine started few years ago and is now approaching to its final stage.



After lunch, we move the **thermal baths of Sardara**, at Santa Maria Acquis, where is active a geothermal system. A Nuragic temple and a sacred well stand nearby: the site was frequented in prehistoric times for votive purposes and was later christened *Acquae Naepolitanae* by the Romans, after the nearby Phoenician-Punic colony of Neapolis.



COORDINATORS

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DATES

Middle-Conference – WT-03

Starts: June 19, 2025 at 8:00 AM, at Cagliari Harbour

Ends: June 19, 2025 at 18:00 PM, at Cagliari Harbour

NUMBERS OF PARTECIPANTS

Minimum: 10 | Maximum: 30

COST

Included in the registration

TYPE OF TRANSPORTATION

Van for intercity trips and visits

PREREQUISITES

Easy walking path.

EQUIPMENT FOR INDIVIDUAL USE

Protective sun cream

Swimsuit, towel and beach slippers for the Sardara thermal bath

INCLUDED IN THE PACKAGE

Visit of the mine site with primary and secondary minerals, their dispersal processes and the reclamation activities

Visit Santa Maria Acquis Thermal area

Meals: pocket lunch

WEBSITE

www.termedisardara.it/en/

