

SILIUS MINE AND TENUTE AUDARYA WINERY

Exploited for more than 50 years, the **Genna Tres Montis/Muscadroxiu** underground mine is one of the largest fluorspar deposits in Europe, with certified resources of more than 2.2 million tons at 33% fluorite and 4% galena. Hosted in Paleozoic rocks, the deposit consists of two large low-temperature F-Pb-Ba (fluorite-galena-barite) **hydrothermal veins** that intersect each other giving rise to a mineralized body with a linear extent of more than 3 km, extending over 600 m in depth. In recent years, rare-earth minerals, with an average content of about 1,000 ppm **REE + Y**, have been discovered in the ore body, constituting a potential by-product of great economic interest. After a 10-year standby period, the new owning company **Mineraria Gerrei** has re-launched the activity with a new project with an estimated annual production of 70 thousand tons of acid grade fluorspar (97.5% CaF₂) with an additional 6,800 tons of galena.



On the way back, will be visit to the "**Tenute Audarya**", a traditional winery in Serdiana, that represents the island's viticulture. In this ancient village, inhabited since the Neolithic time, ancient grape growing practices blend with cutting-edge methodologies to produce wines that are a pure expression of the Sardinian terroir.



COORDINATOR

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DATES

Middle-Conference – WT-01

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

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

NUMBERS OF PARTECIPANTS

Minimum: 5 | Maximum: 15

COST

Included in the registration

TYPE OF TRANSPORTATION

Minivan for intercity trips and visits

PREREQUISITES

Easy hiking.

EQUIPMENT FOR INDIVIDUAL USE

Comfortable shoes for short hiking

Protective sun cream

INCLUDED IN THE PACKAGE

Visit the mine site, with the new underground structures and its wonderful fluorspar (and galena, barite, etc.) occurrences.

Visit to Audarya, a renowned wine factory, to enjoy fantastic wine

Meals: pocket lunch

WEBSITES

www.minerariagerrei.com

www.audarya.it

