

# CUCAMACUCA STAIRWAY

## GEODOMUS AT CUCAMACUCA STAIRWAY- G3



### Valongo Anticline

*In Valongo, the mining operations are encompassed by the Valongo anticline, a geological megastructure that stretches for around 90km, from Lagoa Negra (near Esposende) to Gafanhão (-1km west of Castro Daire).*

*Drained by the River Douro and its tributaries, the landscape is dominated by two ranges of mountains. The Serra de Santa Justa is extended on its eastern flank by the Serras de Pias, Santa Iria, Banjas and Boneca and on its western flank by the Serras do Castiçal, Flores and S. Domingos.*

*This topography is the result of the differential erosion of the anticlinal rocks.*

*Along the trail there are countless traces of gold and antimony mining. But these mountains also contain Lead-Zinc-Silver (Pb-Zn-Ag) and Tungsten-Tin (W-Sn) mineralizations. The underlying rocks present - conglomerates, quartzites and schists - tell the story of various geological transformations, some more than 500 million years old.*

