



CHAINCA

Topographic & Thematic Mapping for Environmental Recuperation of a Mining Area in Portugal

Project Reference



The Chainca-limestone quarries, Serra de Aire and Candeeiros, Portugal

Client / User

EPP Lda., Lisbon, Portugal

Client / Financing

Institute for Geology and Mining (IGM)
Ministry of Economy of Portugal

Location

Chainca-limestone massive, Serra de Aire and Candeeiros, Portugal

Value

75 kEUR

Type

Topographic & Thematic Mapping Project
GIS Application

Application

International Environmental Conventions

Time period / status

Completed 2000

Project Description – Objectives

In the first phase of the project the general geologic, tectonic, hydrologic and hydro-geologic situation of the Chainca-limestone massive as part of the Serra de Aire and Candeeiros region were analysed.

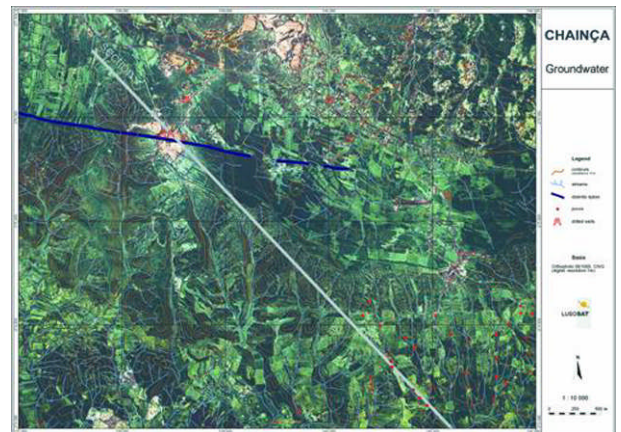
The analysis has been done with the aspect to assess any possible impacts of the exploration activities of the limestone quarries in the area on the hydrological framework and on the environmental situation.

The investigations were carried out in a comprehensive way including different stages of analysis from macroscale to microscale, first starting with an evaluation of the overall geologic / tectonic situation on the basis of remote sensing data.

In a second step, the occurring karst phenomena of the primary investigation area were analysed and documented.

Detailed hydrologic mapping using the existing topographic maps of the region combined with a field verification of the situation evaluated was carried out.

The results obtained within each work package are discussed and validated individually and in synergistic view.



Services

- Topographic Mapping
- Thematic Mapping
- GIS Integration

Contact

Johannes Zilger
Teledata Geoconsult GmbH-SRL
c/o BIC Alto Adige - BIC Südtirol
via Siemens Str. 19
39100 Bolzano - Bozen
Tel.: +39 0471-568.282
Fax: +39 0471-568.288
GSM: +39-348-0634581
Email: team@TD-GeoConsult.com

