

## SCANNING, VENTA DE LA PERRA, PALAEOLITHIC CAVE

### Client

CRN S.A., Madrid, Spain

### Location / Date

Venta de la Perra, Basque Country, Spain, May 2003

### Background

iMO has been hired by CRN to scan a cave with Palaeolithic cave arts. The resulting data were used to build a 1:1 model of the cave in a local museum.

### Scope of Work

- Scanning of the cave with an angular resolution of  $0.12^\circ$
- Detail scans in the areas of the cave arts with an angular resolution of  $0.05^\circ$
- Creation of 3 D wire frame model of the total cave with a point spacing of 10cm x 10cm
- Creation of a detail 3 D wire frame model of the parts with the cave arts with a point spacing of 5mm x 5mm

### Result

- Surface models of the cave and the details in the Vulcan .00t file format

### Time Required

Laser scanning of the cave required 11 scanning positions and took 8h. Data processing required 1 day incl. the registration process and data filtering. The measurement was performed by 2 persons.

### Scanning Equipment

Riegl LMS Z 320

