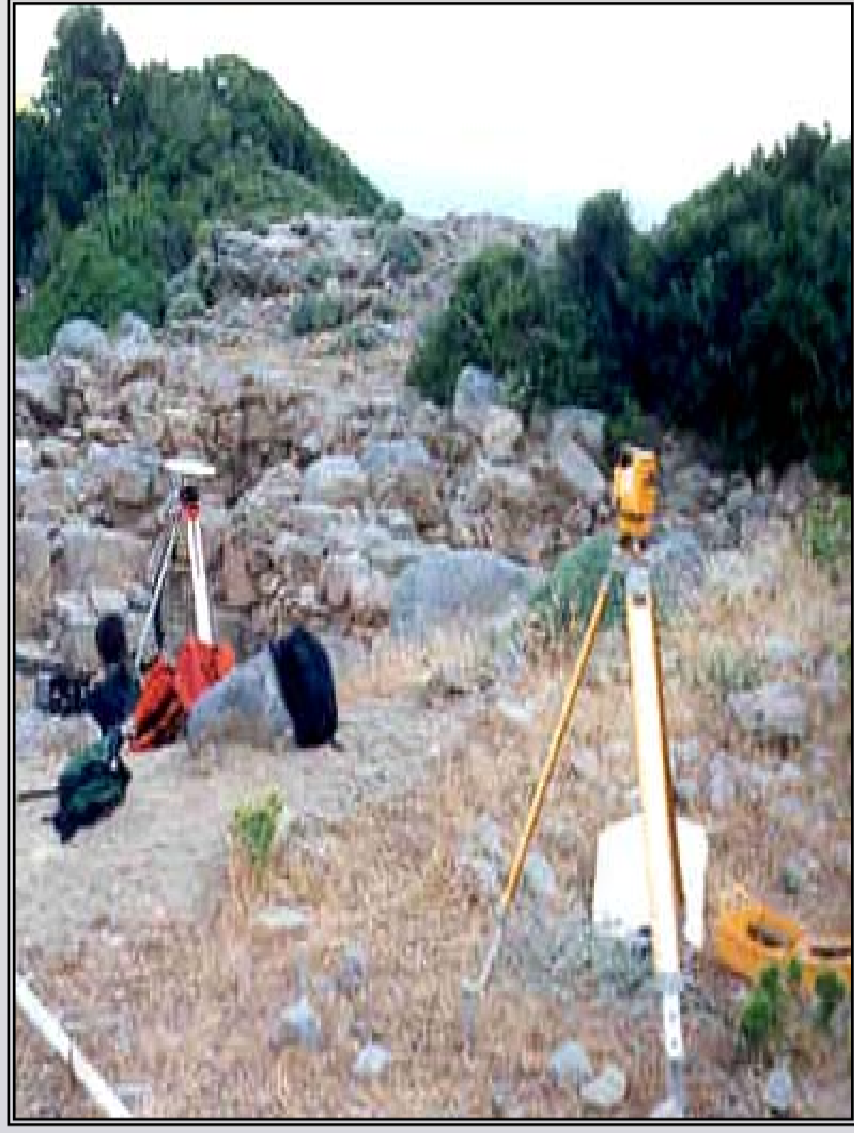


Digital Archaeological Atlas of Crete

http://www.ims.forth.gr/ims/external_projects/digital_crete/digital_crete-gr.html



GPS Topographic Mapping & Digitization		
Total Number of Archaeological Sites		5637
Archaeological Sites with GPS topographic coordinates		2764
Number of topographic points obtained per GPS receiver	Ashtech Z12	1238 (32%)
	Garmin 12XL	1913 (50%)
	Leica GS20	650 (17%)
	Mobilemapper CE	19 (1%)
Archaeological sites with coordinates from Topographic maps & digitization techniques		599

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GIS - Archaeological Information Tree Expansion

The screenshot shows a complex tree structure for GIS layers. It is organized into several main categories:

- Chronology:** Includes Prehistoric, Classical, Hellenistic, Roman, Byzantine, Venetian, Ottoman, and Modern Times.
- Geometric:** Includes Geometric, Archaic, and Classical.
- Topographic:** Includes Elevation, Slope, Aspect, and Digital Elevation Model.
- Geological:** Includes Major faults, Minor faults, and Hydrology.
- Archaeological Sites:** A detailed list of site types such as Farmstead, Deposition, Settlement/Village, Sanctuary, Isolated Tomb, Isolated Structure, Temple, House/Houses, Tower, Tomb cluster, Rural Shelter, and Antiquities.
- Other:** Includes Urban, Harbour facility, Isolated Tomb, Monastery, Monastery Facility, Cemetery, Temple, Water mill, House/Houses, Herds, Observation Post, Wine press, Tower, and Aqueduct.

ARCHAEOLOGICAL SITES - INFORMATION RETRIEVAL FORM

The screenshot shows a web-based form for searching and retrieving information about archaeological sites. It includes fields for:

- SEARCH BY KEYWORDS:** A text input field.
- SEARCH IN THE COMMENTS:** A checkbox.
- CHRONOLOGY:** A dropdown menu.
- PARENT CATEGORY:** A dropdown menu.
- CATEGORY:** A dropdown menu.
- PLACENAME:** A dropdown menu.
- PROVINCE:** A dropdown menu.
- DECLARED SITE:** A dropdown menu.
- PREFECTURE:** A dropdown menu.
- MUNICIPALITY:** A dropdown menu.
- PROTECTION ZONE:** A dropdown menu.
- CONSERVATION STATUS:** A dropdown menu.

The project Digital Crete: Mediterranean Cultural Itineraries was implemented under the framework of the Greek Operational Program Information Society Action 1: Education and Culture, Measure 1.3: Documentation, Management & Promotion of Greek Cultural Heritage) which follows up the eEurope initiative of the European Union and which was funded by the 3rd European Community Support Framework.

Digital Crete aims towards the creation of a cultural information system, consisting of digitized documentation and information regarding the cultural heritage of the island of Crete, from prehistory to the modern periods.

Archaeology & Geological Data

- Major - possible - visible faults
- Hydrology
- Generalized Geology map

The map displays the island of Crete with various geological features overlaid, including major faults, hydrology, and a generalized geology map. Archaeological sites are marked with red dots across the island.

Archaeology & Environmental Data

- Geometric Period Sites
- Natura 2000 protection areas
- Artificial vegetation
- Erosion

The map shows environmental data overlaid on the island of Crete, including Geometric Period Sites, Natura 2000 protection areas, artificial vegetation, and erosion patterns. Archaeological sites are also indicated.

Urban Context of Archaeological Sites

- Monuments and sites within the urbanized environment of the 4 large cities of Crete: Herakleion, Chania, Rethymno & Agios Nikolaos
- Use of Quickbird satellite images & digitized Road network

A satellite image of an urban area in Crete, showing the layout of buildings and roads. Archaeological sites are marked with yellow dots within the urbanized environment.

Archaeology & Topographic Data

- Landsat 7 satellite imagery mosaic
- Main Road Network
- Secondary Road Network
- Springs
- Digital Elevation Model & Rivers
- Aspect
- Slope

The map displays topographic data for Crete, including a Landsat 7 satellite imagery mosaic, main and secondary road networks, springs, a Digital Elevation Model, rivers, aspect, and slope.

Archaeology & Climatic Data

- Minoan Sites
- Average monthly temperature
- Average 10 year rainfall (1990, 2000)

Rainfall - December 2000

The map shows climatic data for Crete, including Minoan sites, average monthly temperature, and average 10-year rainfall (1990-2000). A specific map for December 2000 rainfall is also shown.

Chronology of Usage

A pie chart showing the distribution of archaeological sites across different chronological periods. The legend includes:

- Minoan
- Geometric
- Archaic
- Classical
- Hellenistic
- Palaeohellenic
- Byzantine
- Prehistoric
- Venetian Times
- Ottoman Times

Statistics

- Chronology of Usage
- Spatial Distribution of Sites per municipality

Limited to a selection of 10 each time

A pie chart showing the spatial distribution of archaeological sites across different municipalities. The legend includes:

- AGIALI VARVARAS
- AKOTIRIOZ
- ANAGIOLIOI SELINO
- ANAGEIN
- ARCHANGIO
- ARKADIKOCHORIO
- ARPHENIO
- ASTIRKIOSEN



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