



## Web GIS Application containing a Survey on Cultural Heritage sites in Cyprus

### BENEFICIARY

United Nations Development Programme Partnership for the Future (UNDP – PFF)

### DATES (START/END)

August – November 2010

### PARTNERS

SiTI: main contractor

ITHACA: sub-contractor

### PROJECT DESCRIPTION

The project focuses on the creation of a WebGIS application that collects, classify, and gives back information on Cyprus cultural heritage. The need of this tool comes from the reflection that land management cannot ignore the use of a highly communication effective tools and of decisions support, having a capacity of synthesis and potentials of storing, processing and visualizing a great number of information. It will therefore be expected:

- a first phase in which the database is going to be designed. In order to correctly design the WebGIS applications and the related geographical database, a preliminary analysis of the available surveys and inventories of cultural heritage sites in Cyprus (provided by UNDP-PFF) will be performed
- a field survey is required in order to integrate the available inventories and catalogues focused on cultural heritage sites in Cyprus, with the main goal to estimate the geographical position of the site of interest in order to correctly displays those sites in the aforementioned WebGIS application. Furthermore, if not yet available and if relevant, a detailed description complemented by photographs of sketches has to be provided
- in addition to the storage of the coordinates of the cultural heritage sites, geo-referenced frames will be collected during the survey itself
- according to the Cultural Heritage sites list provided by UNDP-PFF and the analysis of the preliminary cultural heritage archive subset, a detailed field survey program will be designed as well as a survey protocol to allow to acquire both geographic and alphanumeric data suitable to be integrated into the WebGIS application
- the last phase of the job will consist in a training course aimed at transferring the know-how and the technical skills needed in order to manage at best the final output of the whole job, the WebGIS. This phase of the project will consist in preparing a final report describing the work done: characteristics, technical procedures



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## OBJECTIVES

followed, innovative elements, problem encountered, scope of the survey, WebGIS application, management of the technology used, potentialities for future development

To promote the peace process in Cyprus through the knowledge and appreciation of local cultural heritage. In practice, the project operational objectives are:

- Systematization and dissemination of knowledge of natural and cultural heritage through innovative and easily accessible tools;
- Protection of the heritage exceptional value through specific land management actions;
- Defining policies and interventions to support business located in the border region by means of sustainable development tools
- Support for the policies of the administration bodies concerning management and planning subjects

## EXPECTED RESULTS

- ✓ Design and implementation of Web GIS
- ✓ Survey of 1000 sites defined by UNDP-PFP
- ✓ Processing of frames obtained in the LCMMS survey
- ✓ Development of a GPS protocol for data collection



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