The Use of Geographical Information Systems
in Historic and Cultural Places
Case Study: Town of Side

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Tourism & Geographic Information Systems (GIS)

- Tourism industry has been taking an important place in economical and social life in Turkey since the end of 1980s.

- Geographical Information System (GIS) is an information system, which can provide information by integrating all kinds of graphical and descriptive data.

Historical Inventory of Side

- Side had been located at the 75th km on Antalya-Alanya highway. Today Antic Side and Modern Side are living together. It is in the Pamphilia cultural region.
GIS and Management

- GISs will allow planners and other city officials to more easily use the benefits of predictive dynamic urban models and integrate them in collaborative spatial decision making processes.
- **Historical Source Management:** GIS—and geographic information Technologies in general—are used quite infrequently in studies of history and historical geography.

GIS and Management

- **Planning:** Geographic Information Systems (GISs) technology allows the matching of recreation potential with the characteristics of the regions. The capability of a GIS to allow rapid modification, addition or removal of constraints and to investigate the complex interrelations between the thematic layers is attractive for resource management and planning problems.
- **Decision:** The goal of GIS and tourism destination management is to provide guidance for the creation of a comprehensive system that can serve as the basis for the organization of information currently maintained on independent systems.
Tourism Information Systems

- In order to construct a tourism information system, tourism maps must be produced first.
- After providing the maps, the graphical information related to the region must be transferred into computer via scanner or AD converter.
- Graphical and non-graphical data are processed together by means of GIS software so that the main structure of TIS could be constructed.
Achieve Documents

- It is get the public plan of Side and digitize to Arc GIS 9.2 software. For the next step, in order to extract documents related to study area, a copy of current documents was taken, also all documents such as books, magazines etc. about the region were searched.
Photogrammetry

- Points, temporarily marked on the historical objects of which photogrammetrical 3D models would be constructed, were measured by an electronic distance meter in a way that x,y,z coordinates could be obtained.
- Appropriate ones among photographic data were selected during office work. It was considered for selection that each point should be viewed at least in two pictures. To avoid loss of detail in high detailed parts, more images were used then the selected photos were transferred into Photomodeler software.
Results

- Nowadays one of the important problems in foundations is to access information rapidly when it is needed. One of the important problems in is lack of rapid accessing capability to information when necessary.
- Historical and Cultural Places of using GIS can be progressed the professional procedure.
- For this example study, it must be cared that cultural and historical heritages should not be damaged new buildings and structures must be established in attention.
Thank you

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