

Works on the Geographical Information System (GIS) in the Ancient Town Kelenderis in Turkey

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SUMMARY

The ancient city of Kelenderis is located at the Mediterranean coast of Turkey in modern town of Aydıncık, which is in the province of Mersin. Scientific excavations have been undergoing for about 20 years and very interesting remains and finds were brought into light. Some of the important remains are fortification walls, theater, bath near the harbor and a part of a church and basilica of the Roman Period and other buildings dating to the 19th century AD.

In order to get databases connected with the circumstances of Geographical Information System (GIS), Geodetic and Photogrammetric measurements have been taken on the area where the ancient town is placed and then the topographical structure of the site, the Photogrammetric measurements of the architectural remains and their detailed reconstructions have been done; with this work some models have been created for the land usage and degradation in ancient and modern times in this area.

The methodology of GIS has not extensively been used in the excavated sites in Turkey. This work started with the collaborations of archaeologists and geodesists and it seems to be one of the good samples for this research topic. That is planned to reconstruct and simulate the numeric databases of the remains of the ancient town of Kelenderis with the use of the GIS. The result of this research will help to the study of preserving, preparing archives and restoration projects for historical sites.