ANTHROPOLOGICAL STUDIES IN A COMMUNE USING GIS TECHNIQUES

CASE STUDY

Abstract

SBL completed this project for the University of North Carolina, a US-based institution specializing in Archaeological and Anthropological Studies, as part of their anthropological research. The primary objectives were to identify crop patterns and distinguish different land types.

Challenges

The major challenges faced by SBL while executing this project were,

- The maps were of difference scales which were of vintage origin dating back to 1759.

Approach

SBL had used ArcGIS software and scanned maps belonging to different time periods. SBL had carried out the following techniques in the execution of the work

- The input images were a series of vintage maps of different time period. These maps were georeferenced in the Lambert 2 coordinate system.

- Allagricultural lands, roads, rivers, ponds, forest land boundaries and land parcels were captured as polygon features while the road, river etc were captured as line.

- Final output was given in an ESRI compatible spatial data base.

Benefits

- The major benefit of this project was to identify the varying crop patterns, land ownership details and the tax pattems prevalent over period of time.

- This study helped the client in understanding the changing life patternsover different time series and how the community evolved over the years. The study also throws light on how the pollution has sustained over a period of time.

Customer

University of North Carolina, USA.

Geography : **Commune of Uxeau, France.**
Industry   : **Anthropological and Genealogy.**

![SBL Logo]
Success through Partnership

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