UNIT for GIS in SPATIAL PLANNING (UGiSP)

Background

The Unit for GIS in Spatial Planning (UGiSP) was first initiated in the early 1990s by the late Prof. Ahris Yaakop with the aim of promoting GIS applications in urban and regional planning. Since then the unit has grown into a reputable GIS unit offering consultancy services and conducting research in the application of GIS for a host of government agencies and private entities such as The Ministry of Federal Territories, Kuala Lumpur City Council, Department of Town and Country Planning, various local authorities, Tenaga Nasional Berhad, etc. The unit today is well represented by several experts with interest in GIS applications in diverse planning fields such as land use planning, environmental planning, landscape planning, remote sensing, planning support systems and spatial analysis & modelling.

Objectives

The objectives of the establishment of UGiSP are as follow:

- To promote and further the application of GIS and remote sensing in urban and regional planning
- To conduct research in the application of GIS and remote sensing in urban and regional planning
- To offer consultancy services related to the application of GIS in various planning fields

Selected Research / Consultancy: Year 2000 - present

2) Kulim District Local Plan (GIS Application), for Town and Country Planning Department, 2002.
3) Alor Gajah Local Plan (GIS Application), for Town and Country Planning Department, 2002.
4) Malacca Structure Plan (Revised) (GIS Application), for Town and Country Planning Department, 2002.
12) GIS Database System for Information Technology and Management Unit of Negeri Sembilan, 2006.
14) GIS System for Taiping Landscape Master Plan, for National Landscape Department, 2007.
15) GIS System for Cameron Highland Landscape Master Plan, for National Landscape Department, 2007.
20) Spatial Autocorrelation of Poverty Incidence in Mukims within Peninsular Malaysia, CIPD Short-term Research Grant, 2010.

Services Offered

Apart from conducting research, UGiSP also provides consulting services and training for public agencies, local authorities, and the private sector covering Geographical Information System (GIS), Automated Mapping, Facilities Mapping (AM/FM), and Planning Approval System. Details of the services provided are as follows:

- Development of GIS systems for planning applications:
  - GIS Software and System Training for GIS Personnel
  - User Requirement Study/Assessment
  - System Development & Integration
  - Data Conversion & Maintenance
  - Web GIS Application
  - Database Design

- Research on applications of GIS and remote sensing in the following fields:
  - Urban and Regional Planning
  - Planning Support Systems
  - Environmental Planning
  - Landscape Planning
  - Land Use Planning

Enquiries

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