

UNIT for GIS in SPATIAL PLANNING (UGISP)

Faculty of

Built Environment

Background

The Unit for GIS in Spatial Planning (UGISP) was rst 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 o ering 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 elds such as land use planning, environmental planning, landscape planning, remote sensing, planning support systems and spatial analysis & modelling.

Selected Research / Consultancy: Year 2000 - present

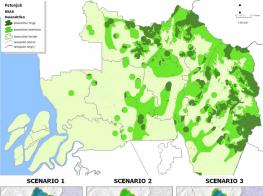
- 1) Study on the GIS Application for Commercial Vehicle Licensing Board (LPKP), Ministry of Entrepreneur and Co-operative Development, 2001.
- 2) Kulim District Local Plan (GIS Application), for Town and Country Planning Department, 2002.
- 3) Alor Gajah Local Plan (GIS Application), for Town and Country Planning Department, 2002.
- 4) Malacca Structure Plan (Revised) (GIS Application), for Town and Country Planning Department, 2002.
- 5) Planning Information System for Johor Bahru Tengah Municipal Council (SIMAP-MPJBT), 2002.
- 6) GIS Database Development for NaLIS System of Alor Gajah Municipal Council, 2003.
- 7) Planning Information System for Planning Application Process for Batu Pahat Municipal Council, 2003.
- 8) Special Area Plan for North-West Expansion of Johor Bahru City Council, 2003.
- 9) Planning Information System for Kulim Municipal Council (SIMP-MDK), 2004.
- 10) Improvement of AGISwik System for Bahagian Kemajuan Wilayah Persekutuan dan Perancangan Lembah Klang (bkwpplk), Jabatan Perdana Menteri, 2004.
- 11) Software Acquisition and GIS Base Map Development for Seremban Municipal Council, 2004.
- 12) GIS Database System for Information Technology and Management Unit of Negeri Sembilan, 2006.
- 13) Development Control System for Planning & Development Control Department of DBKL, 2007.
- 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.
- 16) Impervious Surface Estimation Model for Housing Estates/Subdivisions Using GIS and Remote Sensing, FRGS Research Grant, 2008.
- 17) Land Use Monitoring System in Selangor for Town and County Planning Department of Selangor, 2009.
- Integrating Residential Planning Guidelines and Transit-Oriented Development in Planning For Inner City, FRGS Reasearch Grant, 2009.
- Integrated Landuse, Landscape and Building Design Guidelines as Flood Mitigation Tools (GIS Application), FRGS Research Grant, 2009.
- Spatial Autocorrelation of Poverty Incidence in Mukims within Peninsular Malaysia, CIPD Short-term Research Grant. 2010.
- 21) Internal Migration in Klang Valley: A Spatial Correlation Analysis, CIPD Short-term Research Grant, 2010.
- 22) Crime and Drug Use: A Spatial Analysis, CIPD Short-term Research Grant, 2010.
- 23) Integrated GIS Database Development for Ministry of Federal Territories and Urban Well-being, 2010.

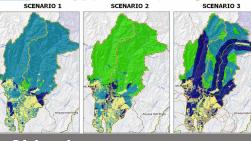
Services 0 ered

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 elds:
 - Urban and Regional Planning
 - Planning Support Systems
 - Environmental Planning
 - · Landscape Planning
 - · Land Use Planning

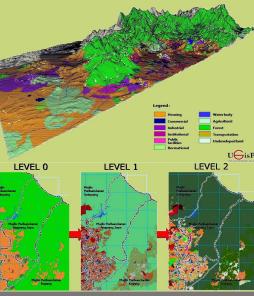




Objectives

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 o er consultancy services related to the application of GIS in various planning elds



Enquiries

For further information please contact:

Assoc. Prof. Dr. Ahmad Nazri Muhamad Ludin, Head

Unit for GIS in Spatial Planning (UGiSP) Faculty of Built Environment Universiti Teknologi Malaysia 81310 Skudai Johor, MALAYSIA

Tel (+60)7 - 5530610 (direct line)
Fax (+60)7 - 5566155
E-mail b-anazri@utm.my
Website www.fab.utm.my