



IGRSM Talk 2017/5

22 November 2017 (Wednesday), 2.00 - 5.00 pm

**Dewan Seminar, Level 2, Administration Block, Faculty of
Engineering, Universiti Putra Malaysia (UPM), Serdang,
Selangor**

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Application of GIS Technologies at PLANMalaysia

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Urban Remote Sensing for Global Sustainable Development Goals

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Abstract

As a leader in urban and rural planning, the Town and Country Planning Department (PLANMalaysia) is responsible for ensuring high quality city planning and information systems for long-term planning needs. PLANMalaysia is always looking for new innovations to strengthen the planning system to ensure more urban planning and information systems services. PLANMalaysia has taken the initiative to adopt GIS technologies that have grown in Malaysia since the 1990s in development plans. The development of GIS technologies in PLANMalaysia saw increased usage from data development and analysis to becoming the most important mechanism in the designing practice. Various programmes and activities related to GIS use are drafted by the department to strengthen land management. Among them are by providing GIS skills training to staff, the involvement of GIS experts and the development of Integrated Land Use Information Systems (I-PLAN). The development of I-PLAN depicts the serious efforts of the department to implement GIS technologies to improve the quality of urban planning services to realise its vision as a centre of excellence in urban and rural planning services. This presentation describes the development of GIS technologies in PLANMalaysia.

Biography

TPr. Gs. Hj. Mohd Ali bin Abu Bakar is the Director of the National Land Use Information Division, Town and Country Planning Department (PLANMalaysia). He graduated with B. Urban and Regional Planning (Universiti Teknologi Malaysia) in 1985 and M.A. Geographical Information Systems (University of Leeds, UK) in 1996. His professional involvement in town planning practice is extensive in preparing rural, structure and local, and various planning studies. He also has experience as a part-time lecturer in Universiti Teknologi Mara (UiTM) and Universiti Malaya (UM) in GIS subjects. He is registered as a Town Planner with the Board of Town Planners Malaysia, Corporate Member of the Malaysian Institute of Planners (MIP) and Professional Member of the Institution of Geospatial and Remote Sensing Malaysia (IGRSM).

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Malaysia (IIUM)

Abstract

At the UN in New York, the Open Working Group created by the UN General Assembly proposed a set of global Sustainable Development Goals (SDGs), which comprises of 17 goals and 169 targets. SDG 11 aims to make “*cities and human settlements inclusive, safe, resilient and sustainable.*” Achieving this goal depends in part on the level of engagement of local stakeholders, regional governments, community-based organisations, academia and the business sector, as well as on adequate synergies between national and local policies. The practice of urban and regional planning in Malaysia to form the shape of places has led to new ideas to outfit the issues of rapid urbanisation. Parallel to this, the development of technologies and data tools such as geographical information system (GIS) and remote sensing have greatly increased and tend to become important tools that support of urban planning decision making. However, compared to GIS, the application of remote sensing data in Malaysia has not been fully explored, due to lack of administrator awareness and remote sensing expertise in urban and regional planning. Therefore, this presentation will review the development and efforts that have been done by all stakeholders for remote sensing development in Malaysia in the context of urban development. The linkages between the SDGs and remote sensing technology may seem apparent, but there are open questions regarding: implementation and efficiency at the local level; the importance of this application in realising the sustainable mission in this country; and the means by which local governments can find the potential at the nexus of space technologies and the SDGs for future sustainable social and economic development

Biography

Assoc. Prof. TPr. Gs. Dr. Norzailawati Mohd Noor is currently an associate professor at the department of Urban and Regional Planning, International Islamic University Malaysia (IIUM). She holds a PhD and MSc in Remote Sensing, Bachelor of Urban and Regional Planning, and Diploma of Urban and Regional Planning from Universiti Teknologi Malaysia (UTM). Currently, she is a Registered Town Planner under the Board of Town Planners Malaysia, Corporate Member of the Malaysian Institute of Planners (MIP) and Professional Member of the Institution of Geospatial and Remote Sensing Malaysia (IGRSM). She has been involved as Principal Investigator (PI) for MOHE research grants (e.g., FRGS, TRGS, ERGS), IIUM-UM collaboration research and universities grants, and is active in consultancy, where now she has engaged as consultant at universities and national level committees. She is also distinctively competent, with various publications in journals, book chapters, proceedings and manuscripts that are indexed in ISI, Scopus and Web of Science, and has participated in many symposiums, conferences, workshops and seminars that are related to her expertise. She has actively participated in many workshops and training sessions on remote sensing and GIS applications for urban planning.