

NEWSLETTER



RESEARCH AND DEVELOPMENT (RnD) DIVISION

MESSAGE...

FROM THE DIRECTOR OF RnD



Its Newsletter time! This half year had been a half year of sorts for the Research and Development Division with a rather eclectic range of work from Disaster Risk Reduction, lorry terminals, common utility trench, EPU's budget examination to kindergartens! All these, and more... we completed the Green Neighbourhood

Guidelines, and other guidelines including those related to universal design, brownfield redevelopment, open spaces and recreational areas, commercial entities, islands, places of worship and gated communities. The latest Planning Guideline that has been presented to the Cabinet earlier this year is the Universal Design Guideline, and two others are in the queue. Other encounters include a stint in the inter-agency advisory group for Guidelines on Nuclear Power Plant sitings and collaborative efforts in producing the Social Impact Assessment Manual. Eclectic as our tasks may be, all these can be captured under the sphere of Indicators for Sustainable Development embodied in our MURNInet. Our MURNInet team is also working leaps and bounds to review and update existing sustainable development indicators in line with current policies and international protocols as well as working to improve the network on-line template. Soldiering on with the green agenda, RnD is Secretariat assisting the Ministry's Secretary-General who chairs the Working Committee in Green Neighbourhood Development under the auspice of the Green Technology and Climate Change Council. Like any other Division we have our share of preparing papers for presentation by the department at seminars and conferences, at national and international level. We try our best.

'Berkhidmat untuk Negara'

Dr. Dahlia Rasly

FROM THE EDITOR

Salam and greetings everyone! The RnD Division's Newsletter is issued bi-annually and aimed to disseminate and share information on research works and activities carried out by the division. It is hoped that this Newsletter can foster better research collaboration and networking amongst planners and other professionals in related planning and development fields. Happy exploring new things!

Shamsaini Shamsuddin



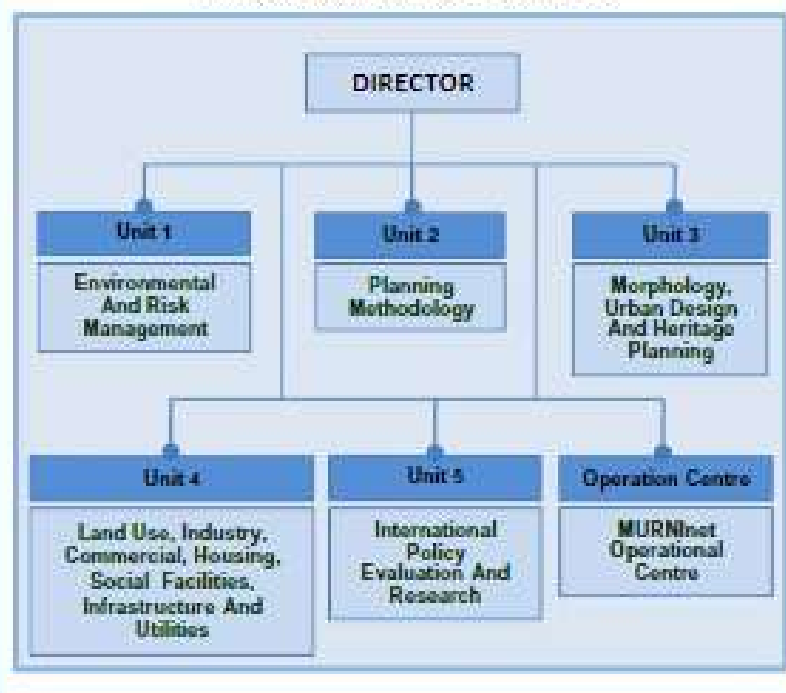
RnD FDTCP ..now at UOA Damansara..

The Research and Development Division (RnD), Federal Department of Town and Country Planning (FDTCP), Peninsular Malaysia, has officially moved to Wisma UOA Damansara beginning 16 February 2011, after more than two decades operating at Jalan Cenderasari, Kuala Lumpur. The building is located right in the centre of the bustling Damansara Heights area, adjacent to the Clear Water Residence, fronting HELPS University and the Kuala Lumpur UNDP Office. We are also within the vicinity of the new

Istana Negara. The new office occupies a floor space of 17,000 sq. feet, accommodating 62 RnD personnel. The comfortable space designed with new interior design features, and furnished with modern office furniture and equipment enhances the working environment of RnD and further motivate and inspire the division to produce more creative, innovative and quality research products in spatial planning.



RnD Organisation Structure



RESEARCH AND DEVELOPMENT (RnD) DIVISION

RnD PROGRAMS 2011

I. REVIEW OF PLANNING GUIDELINES

- Housing
- Industrial
- Commercial
- Mosque and Musolla
- Cemetery and Crematorium
- Services Protocol
- Car Park
- Infrastructure and Utility
- Theme Park
- Golf Course
- Open Space and Recreation
- Rooftop Garden
- Community Facilities
- Environmental Sensitive Area
- Child Care Centres

II. NEW PLANNING GUIDELINES (In Progress)

- Green Neighbourhood
- Heavy Vehicle Terminal
- Universal Design
- Service Protocol
- Urban Design
- Back Lane
- Utility

III. RESEARCH AND DEVELOPMENT PROGRAMS

1. PUBLIC OPEN SPACE DATA INVENTORY

- Half Year Report On Public Open Space Status in Peninsular Malaysia

2. REVIEW OF THE MALAYSIAN URBAN INDICATOR NETWORK (MURNInet) STUDY

- Re-branding of MURNInet and review of MURNInet Indicators
- Improvement of MURNInet Gateway System (Gerbang MURNInet)
- Teach-in and Hands on of MURNInet to Users

3. PROPERTY DEVELOPMENT LAB INITIATIVE

- Chair of The Initiative Property Development Lab 13 on Common Utility Trench / Service Protocol
- Coordinate the detailed guidelines and implementation measures on Service Protocol and Common Trenching

4. EXPERT TALK

- Expert Talk on Universal Design in Urban Planning

5. RESEARCH STUDIES ON URBAN AND ENVIRONMENTAL PLANNING

- Secretariat to The Green Township Working Committee
- Research on Planning and Management of Environmentally Sensitive Areas in Land Use Planning
- Landuse Planning Appraisal for Risk Areas
- Sub-committee Member of The Nuclear Safety on Proposed Nuclear Power Plant Siting

6. NEW APPROACH/CONCEPT/TECHNIQUE IN URBAN PLANNING

- Study On Disaster Risk Mapping Technique in Local Plans Preparations
- Green Township
- Universal Design

7. POLICY EVALUATION AND INTERNATIONAL RESEARCH

- RnD-FDTC Urban Planning Research Repository
- International and Malaysian Urban Planning Research Directory /Network
- Research Collaboration with Local Universities and Planning Related Research Institutions

VII. OTHER PROGRAMS

1. PUBLICATIONS

- Journal of Malaysian Townplan (Planning In Blue)
- RnD Newsletter

2. OCCASIONAL PAPERS

- Occasional Paper Series relating to Various Scope and Activities of Urban Planning

3. CONFERENCE AND TEACH-INS

- Planning Symposium on Brownfield Development in Malaysia
- Teach-in Session on Planning Guideline on Identification of Brownfield Area for Redevelopment

REVIEW OF MALAYSIAN URBAN INDICATOR NETWORK (MURNInet)

The development and application of Sustainable Development Indicator (SDI) in Malaysia has started during the 6th Malaysia Plan through the Healthy City Programme. In this regards, FDTCP has developed Malaysian Urban Indicator Network (MURNInet) to measure and assess the level of sustainability of cities and towns in the country. Since its implementation, the contribution of MURNInet has been acknowledged by national and international agencies with the application of its 56 indicators under 11 sustainable sectors to all city councils, state capitals and other main towns. To date, 105 cities have applied MURNInet. Subsequently, with the changing perspectives and including of sustainable development issues in governments future policies and strategies MURNInet is being reviewed and updated to keep up with current needs and future aspirations of the country such as low-carbon society, green township, green neighbourhood and green technology.

RnD division is entrusted to setup a task force to conduct the review. One of the main study objectives is to ensure that indicators of sustainable development selected are in line with present and future development policies and strategies of the country and benchmarked against the world best practices. Selection of indicators must also take into account the readiness of data. The output of the study will be a set of new and improved indicators of sustainable development. The study shall be completed within a year. Thus far, the team has undergone a series of discussions, meetings with stakeholders and conducted a national workshop to seek agreement and confirmation on the proposed indicators.



6 MURNInet DIMENSIONS

- Economic Development
- Optimal Land Use and Natural Resources
- Transportation and Infrastructure
- Environmental Quality
- Sustainable Community
- Effective Governance

GREEN NEIGHBOURHOOD

In line with national targets to promote energy efficiency by saving 10% and reduce green house gas emissions up to 40% per GDP per capita by year 2020, FDTCP through RnD Division has taken an initiative to formulate a planning guideline for green neighbourhood. This guideline is expected to be tabled to the Cabinet in August 2011. The guideline shall consist of definition and concept of green neighbourhood, legal framework and development policy on green neighbourhood in Malaysia, planning principles, general and specific guidelines and implementation measures.

The draft of the guideline has been presented at several international and local conferences, seminars and workshops for feedback and views before it is approved and implemented. It is anticipated that the guideline shall encourage and increase the awareness and commitment of state governments, local authorities and developers in supporting the green neighbourhood concept in residential development schemes and urban areas throughout the country.



RESEARCH AND DEVELOPMENT (RnD) DIVISION

2010 / 2011 Activities



- Revisiting Green Day Campaign**
- 25 February 2011
 - FDTCP, Jalan Cenderasari, KL



- The Eco2 Cities Initiative Workshop**
- 25 – 26 November 2010
 - Putrajaya Convention Centre



- Malaysian Urban Indicators Network 2010 For Sabah and Sarawak**
- 5 – 6 August 2010
 - Riverside Majestic Hotel, Kuching



- National Workshop: SIA Manual for Development Applications**
- 6 – 7 July 2010
 - Royale Bintang Hotel, Kuala Lumpur

OTHER PROGRAMS....

i.	Malaysia's Initiatives Towards Green Cities, International conference, Ho Chi Minh, Vietnam, 24 - 25 February 2011. Paper presented by Y.H. Dato' Hamisah Ariffin (Deputy Director General, FDTCP).	vii.	4 th Asian Ministerial Conference on Disaster Risk Reduction, Incheon, Korea, 25 - 29 October 2010; Attended by Pn. Shamsaini Shamsuddin (Head of Unit, RnD).
ii.	Ke Arah Pembangunan Bandar Hijau, Green Technology Roadshow 2020, Kota Kinabalu, Sabah, 17 January 2011. Paper presented by Y.H. Dato' Hamisah Ariffin (Deputy Director General, FDTCP).	viii.	Towards Green Township Development, Green Technology Roadshow 2020, Kuantan, Pahang, 30 September 2010. Paper presented by Y.H. Dato' Hamisah Ariffin (Deputy Director General, FDTCP).
iii.	Characteristic of Green Township and Green Neighbourhood, Series 2/2011, Housing of Local Government Institute (HOLGI), 23 - 25 May 2011. Paper presented by Pn. Nor Zafza Mohd Puai and Pn. Tee Sau Fong.	ix.	Malaysia-Japan Low Carbon Society (LCS) Working Visit, 26 - 29 September 2010. Attended by Y.Bhg. Dato' Mohd Fadil Hj. Mohd Khir (Director General, FDTCP) and Pn. Nor Zafza Mohd Puai.
iv.	The Eco2 Cities Initiative Workshop, Putrajaya Convention Centre, 25-26 November 2010. Attended by Pn. Nor Zafza Mohd Puai and Dr. Dahlia Rosly (RnD Director) as session chair.	x.	Asia Institute of Management (AIM) Training Workshop on Low Carbon Society, National Institute of Environmental Studies, Tsukuba, Japan, 2 - 6 August 2010. Attended by Dr. Zamah Ibrahim.
v.	Malaysia's Initiatives Towards Green Cities, EAROPH 50th Golden Jubilee Congress, Adelaide, Australia, 30 October - 5 November 2010. Paper presented by Y.H. Dato' Hamisah Ariffin (Deputy Director General, FDTCP).	xi.	The Role Played By Town & Country Planning For Achieving Sustainable Green Development, Asia Pacific Development - Sustainable Green Development - I.W. Marriott Hotel, Kuala Lumpur, 8 March 2010. Paper presented by Dr. Dahlia Rosly (RnD Director).
vi.	Policy on Planning, Sustainable Planning & Green Neighbourhood, PWTC, Kuala Lumpur, 27 October 2010. Paper presented by Dr. Dahlia Rosly (RnD Director).	xii.	Environmental Friendly Urban Development: Building Cities Of The Future, Green Sustainability Seminar Asia Pacific, Nikko Hotel, Kuala Lumpur, 31 March 2010. Paper presented by Dr. Dahlia Rosly (RnD Director).

Do You Know ?



By increasing 10% green cover in urban areas could keep extreme surface temperatures by 2.5°C, however by removing 10% of green cover would increase expected maximum surface temperature by 7°C. Tree planting in urban area can account for 25% reduction in net cooling in urban landscapes.

Source: G.H. S.E. et al, Adapting Cities for Climate Change: The Role of the Green Infrastructure, Urban Environment, 2001

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