

AdaptNet for 10 September 2013

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Climate Adapted Settlement Patterns

This paper considers the structure and functioning of Australia's country towns in the year 2050 in the face of on-going climate driven change. It finds that the future of Australia's country-towns will be determined by their capacity to adapt, which in turn will be affected by their stock of community assets including social, economic, human and natural capital. Some locations will be more sensitive than others when exposed to climate change, one group of settlements will adapt well, while others maladapt or simply disappear.

[Australia's Country Towns 2050: What Will A Climate Adapted Settlement Pattern Look Like?](#)

Preliminary Report, Beer, A., Tually, S., Kroehn, M. and Law, J., Centre for Housing, Urban and Regional Planning, University of Adelaide, Australia (2013)

Risk Reduction and Climate Change Resilience

The study identifies key intervention areas to address climate change with special reference to Southeast Asia and a focus on India. It points out where the current prevalent approaches to urban climate change resilience are still blind. The study brings the urban agenda of climate change resilience and risk management under the umbrella of sustainable development.

[Urban Governance for Risk Reduction and Climate Change Resilience - Considerations with Special Attention to Southeast Asia and India](#), Christoph Woiwode, Sri Lankan Journal of Real Estate, Department of Estate Management and Valuation, University of Sri Jayewardenepura, Issue 6, pp.

Climatic Variables and Mosquito-borne Diseases

This paper summarizes what is known about the impact of climate change on the incidence and prevalence of malaria, dengue fever and Japanese encephalitis in China, and provides information and direction for adaptation policy making. As a result of a literature survey, the paper makes some key adaptation recommendations including: improving current surveillance and monitoring systems; and concentrating adaptation strategies and policies on vulnerable communities.

[Climate Change and Mosquito-borne Diseases in China: A Review](#), Li Bai, Lindsay Carol Morton and Qiyong Liu, Open Access, Globalization and Health , vol. 9, No. 10, pp. 1-22, 2013 [419 KB, PDF]

Holistic Approach to Climate Vulnerability and Adaptation

The study presents an extended framework for climate change vulnerability and adaptation assessments. It provides a simplified example that uses a holistic view of a society under pressures from socio-economic changes as well as climate change, and addresses the inter-linkage between key sectors from a complex system perspective. The paper points out gaps in using sectoral vulnerability and adaptation assessment for landscape adaptation planning.

[A Holistic Approach to Climate Change Vulnerability and Adaptation Assessment: Pilot Study in Thailand](#), Suppakorn Chinvanno, Partner Report Series No. 4, Regional Climate Change Adaptation Knowledge Platform for Asia and Stockholm Environment Institute (Asia Centre), Bangkok, Thailand, 2013 [1.44 MB, PDF]

Flood Hazard Management: A Case Study from Pakistan

Flood hazard mapping and flood shelters suitability analysis are vital elements in appropriate land use planning for flood-prone areas. This paper describes application of Remote Sensing (RS) and Geographical Information Systems (GIS) in identifying flood hazard zones and flood shelters. It describes a simple and efficient methodology to accurately delineate flood inundated areas, flood-hazard areas, and suitable areas for flood shelter to minimize flood impacts.

[Application of Remote Sensing and GIS for Flood Hazard Management: A Case Study from Sindh Province, Pakistan](#), Kabir Uddin, Deo Raj Gurung, Amarnath Giriraj, Basanta Shrestha, American Journal of Geographic Information System, vol. 2, no. 1, pp. 1-5, 2013 [655 KB, PDF]

International Conference - Adaptation Futures 2014

This conference will take place at Centro de Eventos do Ceará, Fortaleza/Ceará, Brazil from May 12-16, 2014. It will bring together scientists and decision makers, and practitioners from developed and developing countries to share research approaches, methods and results related to climate impacts and adaptation options. Abstracts may be submitted by November 15, 2013.

[Adaptation Futures 2014](#), Centro de Eventos do Ceará, Fortaleza/Ceará, Brazil, CCST/INPE and PROVIA, Brazil, May 12-16, 2014 [359 KB, PDF]

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