AdaptNet for 4 December 2012

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1. Australia's Landscapes in a Changing Climate
2. Climate Adaptation in the Global South
3. Assessing Community Resilience to Climate Change
4. Role of Insurance - Climate Change Adaptation
5. Hydro-climate Knowledge Needs for Climate Change Adaptation
6. Conference - Challenges in Disaster Mitigation and Management

Australia's Landscapes in a Changing Climate

This paper attempts to answer the following questions: What are the critical capabilities and relationships that determine capacity to actively manage landscapes, natural resources, and environmental systems? What has been learnt about managing at a landscape scale that is relevant to climate change adaptation? And how equipped is Australia to proactively shape its landscape under a changing climate?

Australia's Landscapes in a Changing Climate - Caution, Hope, Inspiration, and Transformation, Jason Alexandra, Crop & Pasture Science, vol. 63, pp. 215-231, May 2012 [835 KB, PDF]

Urban Climate Adaptation in the Global South

The article investigates climate adaptation planning in two cities in the global south - Durban, South Africa, and Quito, Ecuador - in order to understand what leads cities to initiate planning processes and how initiatives in this emerging policy domain are able to develop in the absence of norms and models to guide action. It illustrates that climate adaptation initiatives are often sustained as a consequence of local actors taking advantage of opportunities.

Urban Climate Adaptation in the Global South: Planning in an Emerging Policy Domain, JoAnn Carmin, Isabelle Anguelovski and Debra Roberts, Journal of Planning Education and Research, vol. 32, No. 1, pp. 18-32, 2012 [192 KB, PDF]

Assessing Community Resilience to Climate Change

This paper defines a framework to benchmark community resilience and applies it to a case study in the Wet Tropics in tropical Queensland, Australia within the Great Barrier Reef (GBR) catchment. It finds that rural, indigenous and some urban populations are highly vulnerable and sensitive to climate change, particularly in terms of economic vitality, community knowledge, aspirations and capacity for adaptation.

Assessing Community Resilience to Climate Change, Karen Vella, Allan Dale, Alison Cottrell, and M. Gooch, Proceedings of the 12th International Coral Reef Symposium, Cairns, Australia, 9-13 July 2012 [367 KB, PDF]

Role of Insurance - Climate Change Adaptation

This case study examines the role of insurance as a mechanism for climate change adaptation. It carries out interviews about bushfire management in Tasmania with staff in state, regional and local government agencies and with representatives of the housing construction, property development and insurance sectors. The case study argues that insurance is critical to disaster recovery but its role in preparedness remains poorly understood, under-developed and under-utilized.

Is Insurance an Under-utilized Mechanism in Climate Change Adaptation? The Case of Bushfire Management in Tasmania, Kate Booth and Stewart Williams, Australian Journal of Emergency Management, vol. 27, No. 4, October 2012 [6.35 MB, PDF]

Hydro-climate Knowledge Needs for Climate Change Adaptation

The report provides an inventory of catchment yields and runoff characteristics for historic, current and future climates for a range of regions within Australia that is currently available for users in the water resources and fresh water ecosystem community. It looks at the role of hydrological metrics, primarily flow, in characterizing, quantifying and monitoring the potential impacts and responses of freshwater biodiversity and aquatic ecosystems to climate change.

Hydro-climate Knowledge Needs for Climate Change Adaptation, Carolina Casaril, Marie Ekstrom and Nicky Grigg, CSIRO Water for a Healthy Country Flagship, Australia, 2012 [2.57 MB, PDF]

Conference - Challenges in Disaster Mitigation & Management

This conference (International Conference on Challenges in Disaster Mitigation and Management Strategies) will take place from 15-17 February, 2013 in Roorkee, Uttarakhand, India. It aims to provide a platform for researchers, professionals, planners and policy makers associated with the field of disaster mitigation to share the latest knowledge and techniques for mitigating the impact of natural and man-made hazards.

International Conference on Challenges in Disaster Mitigation and Management Strategies, Centre of Excellence in Disaster Mitigation and Management, Indian Institute of Technology, Roorkee, Uttarakhand, India, 15-17 February, 2013

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