

# AdaptNet for 9 October 2012

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## Adaptation, Energy Futures and Carbon Economies - Australia

This report reviews the current literature and research on climate change projections, impact, vulnerability, adaptation, energy futures and carbon economies in remote Australia. It argues that the literature on the above topics is large, but variable in terms of its relevance, depth of analysis, and reliability. The paper finds that the literature contains significant gaps, which present both challenges for individuals, businesses, communities and governments planning for the future.

[Climate Change Adaptation, Energy Futures and Carbon Economies in Remote Australia: A Review of the Current Literature](#), Research and Policy, Yiheyis Taddele Maru, Vanessa Chewings, and Ashley Sparrow, CRC-REP Working Paper CW005, Cooperative Research Centre for Remote Economic Participation (CRC-REP), CSIRO, Australia, 2012 [5.15 MB, PDF]

## Resilience & Climate Risks - Urban Planning for City Leaders

This guide is the result of a UN-Habitat initiative to provide local leaders and decision makers with the tools to support good practices related to urban planning. It includes several 'how to' sections on all aspects of urban planning, including how to build resilience and reduce climate risks, with an example from Sorsogon, Philippines. The guide outlines various ways to create and implement a vision for a city that will better prepare it to cope with growth and change.

[Urban Planning for City Leaders](#), United Nations Human Settlements Programme (UN-Habitat), 2012 [6.24 MB, PDF]

## **Adaptation to Climate Change-related Risks**

This paper focuses on the governance of two climate change-related risks in urban areas in the Netherlands, namely heat stress and flooding from rainfall and rivers. In particular, it focuses on how urban planners (politicians and their staff) actually perceive and deal with climate change. The paper contributes to the limited knowledge on climate adaptation at the local level and in particular on the stimuli for and barriers to developing adaptation strategies.

[Adaptation to Climate Change-related Risks in Dutch Urban Areas: Stimuli and Barriers](#), Hens Runhaar et al., Regional Environmental Change, Open Access, 2012 [257 KB, PDF]

## **Spatial Modelling of climate Change Adaptation Strategies**

The paper investigates the application of geographical information system (GIS) and remote sensing in modelling the flood risk, adaptation/coping capacity, and adaptation strategies. Using Brisbane City as the study area, it develops a new approach to formulating adaptation strategies that aids in addressing the flood risk management issues of an urban area with intensive residential and commercial uses.

[Spatial Modelling of Adaptation Strategies for Urban Built Infrastructures Exposed to Flood Hazards](#), Rodolfo Jr. Espada, Armando Apan, and Kevin McDougall, the Queensland Surveying and Spatial Conference, 2012 [1.74 MB, PDF]

## **Barriers to Adaptation in Australian Local Government**

This study synthesizes a set of critical barriers to adaptation planning and implementation by local government in Australia. In so doing it defines the adaptation capacity interventions needed to move to a climate resilient delivery of local government services. The study identifies the mechanisms to cope with climate variability at the local government level which provide a proxy to identify limitations to respond to climate change impacts

[Cross-Scale Barriers to Climate Change Adaptation in Local Government, Australia](#), Background Report, Anna Gero, Natasha Kuruppu and Pierre Mukheibir, Report Prepared for the National Climate Change Adaptation Research Facility (NCCARF), Institute for Sustainable Futures (ISF), University of Technology Sydney, Australia, 2012 [947 KB, PDF]

## **Global Congress on Integrated Coastal Management**

The Global Congress on Integrated Coastal Management will take place in Marmaris, Turkey from 30 October to 03 November 2013. The topics of the Congress are: coastal systems; conservation issues; integrated coastal management (ICM); coastal management issues; sustainable development of coastal areas; and coastal engineering, modelling, decision support systems, data management. Abstracts may be submitted by 4 February 2013.

[The Global Congress on Integrated Coastal Management](#), MEDCOAST Foundation, Mugla, Turkey, 30 October to 03 November 2013

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