AdaptNet for 5 February 2008

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1. Assessing the Changes to Fire Weather – Southeast Australia
2. Climate Change and Water Supply in Urban Areas - California
3. National Security and the Threat of Climate Change
4. Principles for Planned Adaptation to Climate Change
5. Climate Change Impact on Profitability of SSTs
6. Climate Change Adaptation and Development – Short Course

7.

1. Assessing the Changes to Fire Weather – Southeast Australia

The study estimates the potential impact of climate change on southeast Australia. It combines simulations from two CSIRO climate models using two greenhouse gas and aerosol emissions scenarios with historical weather observations to assess the changes to fire weather expected by 2020 and 2050. The authors hope that planning authorities can use this information in the development of adaptation strategies.

Bushfire Weather in Southeast Australia: Recent Trends and Projected Climate Change Impacts, C. Lucas et al., Bushfire CRC and Australian Bureau of Meteorology, The Climate Institute, Australia, September 2007 [PDF]

2. Climate Change and Water Supply in Urban Areas - California

Climate change confronts California Urban Water Agencies (CUWA) with multiple long-term threats that seriously challenge their ability to ensure reliable water supply in urban areas. The report details how climate change is expected to impact the water resources of California, and what actions state drinking water providers are already taking to secure water availability into the future.

Climate Change and Urban Water Resources: Investing for Reliability, California Urban Water Agencies (CUWA), California, December 2007 [PDF]

3. National Security and the Threat of Climate Change

The report (developed through consultations with a military advisory board) finds that climate change is a serious threat It points out that climate change, national security, and energy dependence are a related set of global challenges and is a call to action. One of those actions is a focus on adaptation.

National Security and the Threat of Climate Change, Security and Climate - The CNA Corporation, Virginia, USA, 2007 [PDF]

4. Principles for Planned Adaptation to Climate Change

The paper summarizes current thinking about planned adaptation. It starts with an explanation of key adaptation concepts, a description of the diversity of adaptation contexts, and a discussion of key prerequisites for effective adaptation. The paper reviews major approaches to climate impact and adaptation assessment and their evolution.

Adaptation Planning for Climate Change: Concepts, Assessment Approaches, and Key Lessons – Review Article, H.-M. Fussel, Integrated Research System for Sustainability Science and Springer, 2007 [PDF]

5. Climate Change Impact on Profitability of SSTs

Using a case study for corn yields, the paper focuses on the relationship between climate change and the incentive of crop farmers to use Site Specific Technologies (SSTs). It presents the economic model that estimates profitability of site specific management. The paper investigates the impact of climate change on profitability of SSTs.

The Impact of Climate Change on the Profitability of Site Specific Technologies, Robert Finger and Claude N. Gerwig, MPRA Paper No. 4792, Munich Personal RePEc Archive, September 2007 [PDF]

6. Climate Change Adaptation and Development – Short Course

The course is designed for people who want to gain a greater understanding of the implications of climate change for developing countries and the potential for adaptation. It aims particularly at professionals who have responsibility or interest in the integration of climate change management into development planning, projects and policy.

Climate Change and Development - Short Course, Overseas Development Group, University of East Anglia, Norwich, United Kingdom, September 01-12, 2008

Subscription information

AdaptNet is a free weekly report produced by RMIT University Global Cities Institute's Climate Change Adaptation Working Group in partnership with the Australian Centre for Science, Innovation and Society at Melbourne University, Australia.

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Translations

- Terjemahan dalam Bahasa Indonesia.
- AdaptNet in Vietnamese.

For further information, please contact the editor, Saleem Janjua.

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