

AdaptNet for 27 October 2015

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1. [Framework for Enabling Climate Adaptation](#)
2. [Application of GIS to Support Urban Water Management](#)
3. [The Coming Financial Climate](#)
4. [Climate Change Adaptation Plans](#)
5. [Changes in Observed Climate Extremes in Global Urban Areas](#)
6. [Conference - Democracy and Resilience in the Anthropocene](#)

Framework for Enabling Climate Adaptation

This book shares the results from Australian NCCARF's (National Climate Change Adaptation Research Facility) research programs with the wider global community of adaptation researchers and end-users. It covers frameworks for enabling adaptation and looks at the context within which adaptation takes place and the instruments and circumstances that can act to facilitate or impede the adaptation process. The book contains eight thematic sections, which are arranged in a semi-logical order, building from the natural environment through to settlements, disaster management and business.

[Applied Studies in Climate Change Adaptation](#), Jean P. Palutikof, Sarah L. Boulter, Jon Barnett and David Rissik (editors), ISBN: 978-1-118-84501-1, pp. 496, Wiley-Blackwell, 2015 [e-book; payment required]

Application of GIS to Support Urban Water Management

This paper provides a summary of an application of GIS for urban water systems in Can Tho city, Vietnam. The project created a GIS database, and visuals in the form of a Map Book and a WebGIS. The tools generated significant interests from local departments/agencies, as they provided them with a better understanding on key issues, a useful reference for planning and development decisions, and an effective platform for collaboration between agencies in managing the city urban water systems and environment.

[Application of GIS to Support Urban Water Management in Adapting to a Changing Climate: A Case Study in Can Tho City, Vietnam](#), Nguyen Hieu Trung et al., 2014 International Symposium on

Geoinformatics for Spatial Infrastructure Development in Earth and Allied Sciences, 2015 [706 KB, PDF]

The Coming Financial Climate

This report, on an inquiry into aligning the financial system with sustainable development, focuses on moving investments into low-carbon projects. It considers the need to invest in adaptation to protect economies from the risks associated with climate change. The report argues that the world's financial system must undergo comprehensive change by 2035 if humanity is to make the transition needed to reduce the threat of dangerous climate change.

[The Coming Financial Climate: Aligning the Financial System with Sustainable Development, the Inquiry's Fourth Progress Report](#), United Nations Environment Programme (UNEP), 2015 [526 KB, PDF]

Climate Change Adaptation Plans

The report identifies the key elements of success associated with climate change adaptation planning in four South Australian regions: what has worked and why? It increases understanding about how agencies, organisations and communities undergo climate change adaptation planning and what lessons can be applied to future planning exercises in the State. The report provides a better understanding of the effectiveness and suitability of the tools, processes and mechanisms implemented to help communities adapt to climate change.

[Learning from Implementation of South Australia's Climate Change Adaptation Planning Framework - Pilot Research Study](#), Cecilia Moretti, Mark Siebentritt & John Spoehr, Australian Workplace Innovation and Social Research Centre, the University of Adelaide, Adelaide, South Australia, February 2015 [2.20 MB, PDF]

Changes in Observed Climate Extremes in Global Urban Areas

The paper analyzes observed changes in climate extremes in global urban areas during the last four decades (1973–2012) using daily data from selected Global Summary of the Day (GSOD) stations. It hypothesizes that globally, observed climate changes in urban areas, notwithstanding major land use/cover change over the last 40 years, are dominantly due to large scale changes, rather than local land cover.

[Changes in Observed Climate Extremes in Global Urban Areas](#), Open Access, Vimal Mishra, Auroop R Ganguly, Bart Nijssen and Dennis P Lettenmaier, Environmental Research Letters, vol. 10, no. 2, January 29, 2015 [2.98 MB, PDF]

Conference - Democracy and Resilience in the Anthropocene

The 6th conference on earth system governance will take place in Canberra, Australia from 14-16 December 2015. It will bring leading researchers, early career scholars and policy experts from around the world to the Australian National University to engage in discussions on critical issues in social science governance research on the environment and sustainable development. Conference registration is currently open.

[6th Conference on Earth System Governance](#), Australian National University, Canberra, Australia, 14-16 December 2015

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