

# AdaptNet for 15 April 2014

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## Urban Populations and Vulnerability - Brisbane, Australia

The paper undertakes spatiotemporal analysis of heatwave risks in urban populations in Brisbane, Australia. It develops a tool to map population vulnerability to extreme heat events in large urban areas, aiming to assist emergency managers and public health authorities develop adaptation strategies to cope with extreme heat and provide a decision-making framework to guide future adaptation planning.

[Identifying Vulnerable Populations in Subtropical Brisbane, Australia: A Guide for Heatwave Preparedness and Health Promotion](#), Research Article, Margaret Loughnan, Nigel Tapper, and Thu Phan, ISRN Epidemiology, Article ID 821759, 12 pages, 2014

## Resilience to Climate Change in Asian Cities

This article draws on the experiences of 10 Asian cities participating in the Rockefeller Foundation funded Asian Cities Climate Change Resilience Network (ACCCRN) identifying key areas for action - stakeholder engagement, generating credible knowledge and integration in policy and planning at a local, regional and national level - whilst recognizing the importance of influencing city budgets and attracting private sector funding.

[Initiating and Sustaining Action: Experiences Building Resilience to Climate Change in Asian Cities](#), Urban Climate, vol. 7, pages 47-63, March 2014 [Open Access]

# Climate Change, Natural Disasters and Displacement

The paper provides an account of attempts at the international level to develop a normative framework relating to climate change and migration from late 2010 to mid-2013. It discusses the creation of the state-led Nansen Initiative in late 2012 - a tentative 'first step' towards international policy-making in this field - and the outcomes of its first sub-regional consultation in the Pacific in May 2013.

[Creating New Norms on Climate Change, Natural Disasters and Displacement: International Developments 2010 - 2013](#), Jane McAdam, *Refuge*, vol. 29, no. 2, 2014 [160 KB, PDF]

## Hurricane Storm Surge and Sea-level Rise Vulnerability

The study presents the results of an effort to develop storm surge inundation layers for the eastern United States (Texas to Maine) for vulnerability and impacts assessment. The results include multiple inundation overlays reflecting both hurricanes of different intensities as well as various scenarios of sea-level rise. The study presents two case study applications for coastal exposure assessment - one for U.S. energy infrastructure in the Southeast and one for future coastal housing.

[A Geospatial Dataset for U.S. Hurricane Storm Surge and Sea-level Rise Vulnerability: Development and Case Study Applications](#), Article in Press, Megan C. Maloney, Benjamin L. Preston, *Climate Risk Management*, April 2014 [Open Access]

## Climate Justice in the Australian City

Building on the work related to climate justice in Australian urban planning, this paper asks questions about how practices associated with climate adaptation policy responses shape lived outcomes. The questions include: how do and might actors 'go round the back' of local institutions; mainstream approaches in search of social or environmental justice; and, how might such practices be incorporated in climate adaptation governance processes at the metropolitan scale?

[Climate Justice in the Australian City](#), Jean Hillier, Diana MacCallum, Wendy Steele, Donna Houston and Jason Byrne, *State of Australian Cities*, Australia, 2014 [249 KB, PDF]

## 2<sup>nd</sup> International UGEC Conference - Taipei, Taiwan

2<sup>nd</sup> International UGEC Conference (Urban Transitions & Transformations: Science, Synthesis and Policy) will take place at Taipei, Taiwan from November 6-8, 2014. It aims to: (1) synthesize knowledge of the bidirectional interactions between urbanization and global environmental changes, and to reflect on the key lessons learned; and (2) identify transformative pathways for a future urban world that is increasingly complex and uncertain. Abstracts may be submitted before 27 April 2014.

[2<sup>nd</sup> International UGEC Conference - Urban Transitions & Transformations: Science, Synthesis and Policy](#), Taipei, Taiwan, November 6-8, 2014

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