

## **AdaptNet for 20 October 2009**

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### **Water Resources, Climate Change and Human Vulnerability**

The paper focuses on the impact of climate change on water resources and the affect it has on human society. It develops a model (climate vulnerability index) to link the climate and social sciences in a policy-oriented approach. The paper makes a holistic assessment of human vulnerability to climate and other drivers of social change.

[Water Resources, Climate Change and Human Vulnerability](#), Sullivan, C.A and C. Huntingford, 18th World IMACS Congress and MODSIM09 Cairns, Australia, July 2009 [392 KB, PDF]

### **Climate Change Adaptation of Deltaic Urban Form**

This paper focuses on emergent global trends, such as climate change and hurricanes, along with resultant policies and practices that represent ecosystem adaptation, social-ecological learning, adaptive land use, mitigation and governance. In particular, it reviews the adaptation of urban form to date. The paper extrapolates this information to recommend future land use practices, and applies

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this to cities with similar conditions internationally.

[Climate Change and the Resilience of New Orleans: the Adaptation of Deltaic Urban Form](#), Armando Carbonell and Douglas J. Meffert, A Draft Paper with Support from the Lincoln Institute of Land Policy Commissioned by the World Bank, Fifth Urban Research Symposium, France, 2009 [672 KB, PDF]

## **Solving the Climate Dilemma: The Budget Approach**

The report presents an integrative approach to international climate policy, which could provide a new orientation for negotiations at the 2009-climate change summit in Copenhagen. The starting point is the calculation of the global amount of CO<sub>2</sub> that may be emitted between now and 2050 in accordance with precautionary conditions. The report points out that the urgently needed breakthrough in international climate policymaking cannot succeed without the strong leadership commitment of key countries.

[Solving the Climate Dilemma: The Budget Approach](#), Special Report, German Advisory Council on Global Change (WBGU), Berlin 2009 [2.21 MB, PDF]

## **Climate Change Impacts and Adaptation - Agent-based Model**

The paper explains some preliminary details of a prototype agent-based model (ABM). The model is being developed to examine the climate change impacts on poverty, migration, mortality and conflict in Bangladesh from 2001 to 2100. This ABM could offer useful insights to the long-term policy options in response to climate change for Bangladesh.

[Climate Change Impacts and Adaptation in Bangladesh: An Agent-based Approach](#), Angus, S.D, Parris, B. and Hassani-M., B, World Vision Australia and Monash University-Victoria, 18th World IMACS Congress and MODSIM09 Cairns, Australia, July 2009 [632 KB, PDF]

## **Biofuel Conflicts and Human Security**

The paper provides an overview of key issues in the bioenergy debate. The issues include: the demand for biofuels and their impact on different dimensions of security - specifically, energy security and climate change, land use, food and water security, human security, and social impacts. The paper refers to the ongoing efforts to develop and incorporate criteria for the sustainable use of biofuels.

[Biofuel Conflicts and Human Security: Toward a Sustainable Bioenergy Life Cycle and Infrastructure](#), Jürgen Schefran, Swords and Ploughshares, 2009 [126 KB, PDF]

## **UDRI Research Fellowship Program - 2010**

The Urban Design Research Institute (UDRI) announces the next cycle of the Research Fellowship Programme to provide young scholars, researchers and independent practitioners the opportunity to carry out research on contemporary urban issues and concerns of Mumbai, India. Applications may be submitted by 23 November 2009.

[UDRI Research Fellowship Program - 2010 \(Cycle 3\)](#), Urban Design Research Institute (UDRI),  
Gandhi Marg, Kalaghoda, Fort, Mumbai, India, 23 November, 2009

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