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# AdaptNet for 4 December 2007

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### 1. Rural Australia Providing Climate Solutions

The report aims to help identify the potential problems and priorities for rural businesses and communities in contributing to Australian action on climate change. It focuses on the prospects for rural Australians becoming valued service providers in three areas: providing clean energy and electricity; mobilizing agricultural mitigation and greenhouse gas offsets; and supporting environmental stewardship on private land.

[Rural Australia Providing Climate Solutions](#), Steve Hatfield-Dodds et al., Preliminary Report to the Australian Agricultural Alliance on Climate Change, CSIRO Sustainable Ecosystems, Canberra, Australia, October 2007 [PDF]

### 2. Fuel Choice and Consumption in the US Energy Sector

The paper estimates a fuel choice model of energy demand by using a multinomial discrete-continuous choice framework. It finds that both the choice of fuel and the conditional demand for energy by fuel type are sensitive to climate and especially temperature. The paper estimates the welfare effects of climate change on the energy sector and discusses how consumers may adapt to climate changes.

[Climate Change Adaptation: A Study of Fuel Choice and Consumption in the U.S. Energy Sector](#), Erin T. Mansur, Robert Mendelsohn and Wendy Morrison, Yale School of Management and NBER, October 2007 [PDF]

### 3. Environmental Change and Human Response - China

The paper proposes three models relating environmental change with human adaptive shifts in arid

China: a shift to broad-spectrum foraging may be related to a reduction in high-ranked resources; millet domestication probably began in the northern margin of wild millet distribution; and desertification may have been accelerated and enhanced during the Late Holocene in some areas of arid China. It suggests a number of possible tests of these models.

[Variation in Late Quaternary Central Asian Climates and the Nature of Human Response](#), David B. Madsen and Robert G. Elston, *Developments in Quaternary Sciences*, Volume 9, Elsevier, Amsterdam, 2007 [PDF]

#### **4. Indonesian Rice Agriculture - Risk Assessment**

The paper uses a risk assessment framework to examine the potential impact of El Nino events and natural variability on rice agriculture in 2050 under conditions of climate change. It focuses on two main rice-producing areas: Java and Bali. The paper indicates a need for adaptation strategies in Indonesian rice agriculture, including increased investments in water storage, drought-tolerant crops, crop diversification, and early warning systems.

[Assessing Risks of Climate Variability and Climate Change for Indonesian Rice Agriculture](#), Rosamond L. Naylor et al., *The National Academy of Sciences of the USA*, Vol. 104, No. 19, May 2007 [PDF]

#### **5. A Guidance Manual for Development Planning**

The manual assists USAID missions and other development partners to understand, analyze, and respond to the potential impacts of climate change on development challenges, and to develop effective approaches to solving those challenges. It lays out a six step process for assessing the potential for climatic changes to affect development efforts and engaging stakeholders in identifying alternative approaches for more climate resilient development.

[Adapting to Climate Variability and Change: A Guidance Manual for Development Planning](#), U.S. Agency for International Development (USAID), August 2007 [PDF]

#### **6. European Climate Conference Rovigo 2008**

Rovigo 2008 will be held from April 02-04, 2008 in Rovigo, Italy. Adaptation to climate change (strategies to improve local resilience and the capacity of communities to adapt to a changing climate) will be a cross-cutting issue through several of the conference themes. For more information, please go to the conference website (below).

[European Climate Conference Rovigo 2008](#), The Province of Rovigo, ICLEI - Local Governments for Sustainability and ICLEI's Cities for Climate Protection (CCP) Campaign, Rovigo, Italy, April 02-04, 2008

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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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