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ESMAPeNews**ESMAP**

Providing Energy Solutions to Reduce Poverty

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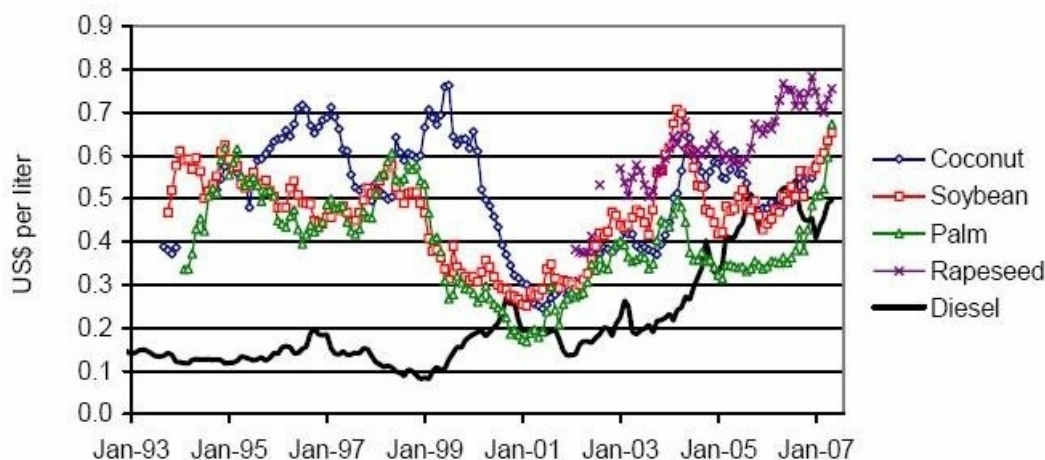
In the Spotlight

G8 Endorses the Energy Access Plan for Africa

Three months after the ESMAP-supported [Forum of African Energy Ministers \(FEMA\)](#) cited the importance of the energy agenda in poverty reduction, the G8 countries have reaffirmed their commitment by directly acknowledging and encouraging the World Bank's energy access agenda, particularly as it relates to Africa. The G8 outlined their commitment in the June 2007 summit declaration, [Growth and Responsibility in Africa](#). Mr. Vijay Iyer, Energy Sector Manager for the World Bank Africa Region, commented that "The recognition by the G8 that lack of energy access impedes development in Africa is a significant and positive step in the fight against poverty. Collaboration among African governments and development partners in preparing initiatives such as the Energy Access Action Plan and the Maputo FEMA conference, secured this important place in the G8 agenda, and is essential to the success of Africa's energy sector moving forward."

Energy Snapshot

Prices of Coconut, Soybean, Palm and Rapeseed Oils, and Diesel



The potential size of the world biofuel market and trade is derived from the market for gasoline and diesel. Worldwide gasoline and diesel consumption in the transport sector in 2004, the most recent year for which global data are available, was 1.2 trillion liters and 0.76 trillion liters, respectively. (Sources: USDA oilseed data for coconut oil, soybean oil, and palm oil; World Bank Development Economics Prospects Group for rapeseed oil; Energy Intelligence 2007 for diesel.)

ESMAP Highlights

Building a Sustainable Market for Improved Stoves in Haiti

The ESMAP Small and Medium Size Enterprises (SME) project, "Dissemination of improved stoves in Haiti," assists SMEs to better develop and manage the production of energy efficient stoves that reduce the cost of cooking for urban households and improve health conditions. This is important since cooking fuel prices are high due to rising charcoal prices and rapid deforestation. To generate sustainable production of "MIRAK" improved stoves, the project facilitates the modernization of the supply distribution chain. To date, 70 artisans have been identified as potential producers of "MIRAK" stoves; training helps them develop management and business skills, form small enterprises, foster business relationships with suppliers, and improve their production capacities. The goal of the project is for artisans to form at least 10 SMEs and produce more than 50,000 improved stoves. A public awareness campaign will be launched to educate consumers on the economic, health, and environmental benefits of the stoves. In addition, a branding effort will feature a quality control seal, an Eco Label (QEEL), which will serve as a visual reminder of the benefits of the stoves and an indicator of their energy efficiency. This project helps to strengthen the country's SME and private sector while directly benefiting poor households and entrepreneurs. Contact: [Ella Lazarte](#)

ESMAP Report Highlighted in Africa Chief Economist's Brief

The 2007 Economic Brief by the World Bank's Office of the Chief Economist for Africa, titled [The Recent Acceleration of Growth in Sub-Saharan Africa](#), outlines key factors contributing to the continent's recent economic performance. The report references the work of Robert Bacon and Masami Kojima in their ESMAP report titled "[Coping with Higher Oil Prices](#)," in which 38 country case studies (13 from Africa) are analyzed to show how specific developing countries cope with rising oil prices. The Chief Economist for Africa's office then used this information to correlate energy pass through prices with economic indicators such as Terms of Trade, per capita income and overall fiscal position. A third of the governments in the case studies have tried to influence end-user prices by reducing taxes, regulating prices or setting price ceilings. The report notes that risks of an unsustainable fiscal position appear to be minimized

due to timely adjustment to fuel prices.

Renewable Energy Experts Come Together

The Renewable Energy Thematic Group's first meeting was hosted by ESMAP [Renewable Energy](#) Specialists and attended by 20 senior energy staff of the World Bank. The group will meet monthly to share news, discuss good practices, and help generate common approaches to renewable energy across the World Bank's regions and programs. Presentations were given about the Deep Green Renewable Energy Scenarios, by Professor Arthouros Zervos, President, [European Renewable Energy Council](#), and Global Wind Power Outlook, by Steve Sawyer of the [Global Wind Energy Council](#).

Announcing The Clean Energy Wiki



Clean energy Wiki is launched in Washington DC. Credit: Ashok Sarkar

"The challenges of climate change require smart, fast, global decision making," was the announcement starting a recent roundtable videoconference discussion to solicit feedback on The Clean Energy Wiki, organized by the Energy Efficiency Thematic Group. Attendees from the [Asian Development Bank](#) (ADB), the [World Energy Council](#) (WEC), the IEA, REEEP, the World Bank, ESMAP, DOE, EPA, Alliance to Save Energy, and IFC pored over the new wiki tool and discussed ways to maximize its usefulness to scientists and practitioners working on clean energy issues worldwide. The Clean Energy Wiki is being developed to serve as a worldwide, trusted knowledge source on clean energy, climate change, adaptation, and energy efficiency so that energy experts can avoid duplicating efforts and the public has access to credible, cited knowledge at their fingertips. The Wiki hopes to encourage dialogue, to move beyond rhetoric, to provide timely solutions for practitioners, and facilitate fast information sharing globally. The videoconference connected people from Vienna, Manila, Paris, London, Moscow, Washington and Yerevan. For more information, contact [Jessica Morey](#).

GapFund Village Biodiesel Project Makes Headlines

A Global Village Energy Project (GVEP) initiative in the 800-person village of Mahajane, India, made national headlines for an initiative to generate liquid biofuel from a local seed. The effort was described in a recent story in The Times of India titled [Mahajane Villagers Tap Biodiesel Alternative](#). The project, part of GVEP's GAPFund initiative, is being implemented by the [Applied Environmental Research Foundation](#) (AERF) of Pune, and has provided a machine to extract oil from the local karanj (Pongamia pinnata) seeds. Prior to the project, the collection of seeds was a small, community activity but is now turning into a micro industry. With the capacity to crush 20kg of seeds per hour, villagers hope to sell the oil for up to 5 times the cost of production as fuel for tractors, vehicles, and local flour mills. A nearby village is replicating the initiative.

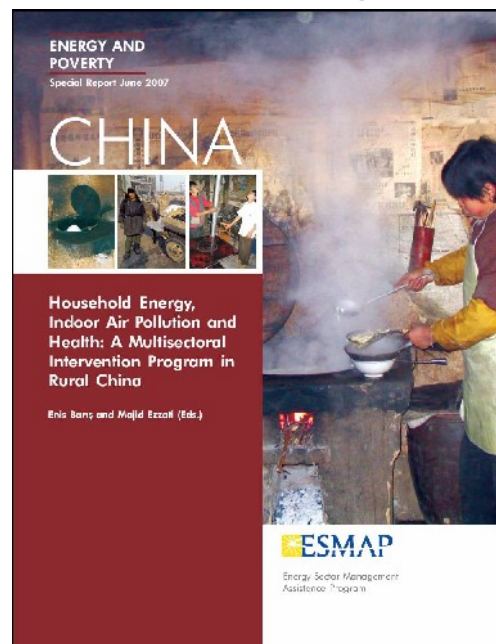
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Featured Publication

Household Energy, Indoor Air Pollution and Health: A Multisectoral Intervention Program in Rural China

A recent ESMAP funded multidisciplinary study, conducted by Chinese and international scientists, reveals the relationship between energy consumption and the health risks from indoor air pollution and assesses potential solutions. This [Special Report](#) has taken Indoor Air Pollution (IAP) research a step beyond measurement of health impacts to measure the adoption of different alternatives and their effects on improving health. "The study is unique," said Enis Baris, co-editor and Senior Public Health Specialist of the World Bank, "because we were able to document not only the impacts of unimproved stoves on health, but the changes noticeable from different interventions." IAP in homes burning traditional biomass stoves were compared with both improved stoves and improved stoves complemented by health education and behavioral interventions. Decades of research have shown that Indoor Air Pollution (IAP), resulting from household cooking and heating, using low quality fuels and poorly ventilated stoves, is responsible for an array of respiratory-related and other diseases. Despite global recognition of IAP's enormous relevance to international development and global health, identifying the most effective ways to tackle the problem has proved daunting.

The authors hope that the lessons from this project will motivate research, policy and program responses in China and elsewhere toward large-scale, sustainable improvement in environmental, health and socioeconomic outcomes of household energy use.



More Powerful Resources

Recently Published

[Considering Trade Policies for Liquid Biofuels](#). ESMAP Special Series Report. Masami Kojima, Donald Mitchell, and William Ward.

[Integration Strategy for the Southern Cone Gas Networks](#). ESMAP Technical Report 113/07.

[Solar-diesel Hybrid Options for the Peruvian Amazon: Lessons Learned from Padre Cocha](#). ESMAP Technical Report 111/07.

[Haiti: Strategy to Alleviate the Pressure of Fuel Demand on National Woodfuel Resources](#). ESMAP Technical Report 112/07. [French Version](#).

[Improving Energy Security in Uruguay](#). ESMAP Technical Report 116/07.

[Bolivia National Biomass Program: Report on Operational Activities](#). ESMAP Technical Report 115/07.

[Turkey's Experience with Greenfield Gas Distribution since 2003](#). ESMAP Formal Report 325/07.

[Turkey: Gas Sector Strategy](#). ESMAP Technical Report 114/07.

Recently Held Events

Energy Efficiency in the Public Sector

The Energy Efficiency Thematic Group (EETG) hosted an event, "Energy Efficiency in the Public Sector: Overview and Selected Case Studies," in June that was attended by 35 people. The group discussed the *Serbian Energy Efficiency Project: Public Buildings Retrofit First Phase Implementation 2005-2006, Expected and Realized Outcomes*. Jeffrey Harris of [Alliance to Save Energy](#) presented *The U.S. Federal Government: Energy Efficiency and Market Leadership*. Laura Van Wie McGrory of [Lawrence Berkeley National Laboratory](#) was unable to present but provided her presentation, *Transforming Markets through Public Sector Energy Efficiency*. For presentations and information, contact [Ashok Sarkar](#).

Lighting Africa

"Lighting Africa: Catalyzing Efficient, Affordable, and Clean Lighting & Exploring Carbon Market Synergies" was presented at the [African Bankers Carbon Finance Investment Forum](#) held in Johannesburg, South Africa on May 28, 2007.

Knowledge Exchange Series

About KES

The Knowledge Exchange Series is issued by ESMAP to disseminate results of work in the energy sector. The series, which consists of short "Just in Time" notes, covers topics ranging from energy security, energy-poverty linkages, renewable energy, and market efficiency and governance. Series consists of four-page summaries of work completed and in progress; a link to the full report is also available.

Hedging Mexico's Electricity Bets: The Case for Renewable Energy. [KES Note # 9](#)

Scaling Up Renewable Energy in China: Economic Modeling Method and Application. [KES Note # 11](#)

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