



December 2011

Message from the secretariat

Dear reader,

Please find the latest Energy For All Newsletter that highlights a few concerted efforts of the various organizations working to attain the goal of universal energy access.

- The UN Private Sector Forum was held on 20 September 2011 to discuss the role of the private sector in supporting the strategy laid out by UN Secretary General Ban Ki-moon on Sustainable Energy for All.
- The government of Norway convened a high level conference on “Energy for All – Financing Access for the Poor” on 10-11 October 2011 in Oslo to explore financing solutions and supporting policies for increased energy access. The ADB through Mr. Xianbin Yao, Regional and Sustainable Development Department (RSDD) Director General and Mr. Jiwan Acharya, Climate Change Specialist (Energy) participated in this event and presented ADB’s initiatives on energy access.
- Early next year, ADB, in collaboration with UN Foundation and The Energy and Resources Institute (TERI), will support the regional roll out campaign on Sustainable Energy for All during the 12th Delhi Sustainable Development Summit (DSDS) on 2-4 February 2012 in New Delhi, India

ADB has just approved the appointment of Mr. Robert J. van der Plas as the new Team Leader of Energy for All Partnership secretariat that is managed by ETC. Robert previously worked for more than 16 years at the World Bank, mainly at the ESMAP program and the Africa operations department. During his engagement, he was member of the team that was instrumental in putting rural energy in the World Bank's portfolio. His extensive experience in more than 40 developing countries focuses on rural electrification and sustainable biomass energy supply may be useful in further developing the partnership.

Mr. van der Plas, who is the Director of Studies at MARGE, recently spent a week in Manila for discussions with the team to review the current status and possible next steps for the Partnership. ETC and MARGE have teamed up to jointly facilitate the ADB's Energy for All Partnership secretariat. With his extensive experience on energy access and rural electrification, Robert is expected to provide overall guidance and strategic approaches to develop and implement large-scale projects on energy access.

The Interest in energy access is rising steadily. The Energy for All Partnership for example, has welcomed several new organizations as members. We found great inspiration in our partners’ work and want to thank you for all your support to our efforts. We want to encourage other organizations who are also interested to help achieve the partnership goal of providing sustainable energy solutions for the poor. Share your experiences and register online at <http://www.energyforall.info/participation-form>.

- Energy for All Partnership Secretariat Team

Partnership highlights

Energy for All partnership holds Steering Committee meeting

A mini Steering Committee (SC) meeting was held on 1 November 2011 in Singapore. The meeting served as a venue to provide recent updates from Energy for All Partnership SC members who were attending the Singapore Clean Energy Week. The attending organizations introduced the latest developments and projects in energy access and provided useful suggestions on how to improve the work of the secretariat. Present in the meeting were representatives from ADB, Renewable Energy and Energy Efficiency Partnership (REEEP), World LP Gas Association (WLPGA), ReEx Capital Asia and Sustainable Energy Association of Singapore (SEAS). Gil Hong-Kim, Director of Sustainable Infrastructure Division, ADB and Edwin Khew, Chairman, SEAS chaired the meeting.

International workshop on domestic biogas held in Indonesia



Photo: SNV

SNV, the convener of the domestic biogas working group of the Energy for All Partnership, together with HIVOS and Indonesia Domestic Biogas Program organized a three-day international workshop entitled “Domestic biogas programs in Asia:

transformation towards commercial sectors and development of effective financing facilities” on 22-24 November 2011 in Bandung, Indonesia. More than 60 participants from 17 countries joined the event, representing government institutions, private and civil society organizations, knowledge centers, development agencies, multilateral banks, and international donors.

The workshop discussed in-depth the transformation of national biogas programs to commercial biogas sectors. The event also looked into the proposed Asian Rural Biogas Facility, which is currently being developed and planned to be operational by 2012. The facility will consist of two separate funds, i.e., the regional structured debt fund initiated by the German Development Bank (KfW) and the ADB and the regional basket grant fund to further develop biogas markets in both existing and new countries.

This is the third major gathering of the domestic biogas working group, following its first meeting in November 2009 in Nepal and the second meeting in November 2010 in Cambodia. Click [here](#) for the presentations made at the workshop.



Photo: SNV

ADB, WBCSD officials attend high level conference in Oslo

Officials from ADB and the World Business Council for Sustainable Development (WBCSD), member of the Steering Committee of the Energy for All partnership took part in the “Energy for All Financing Access for the Poor” conference in Oslo on 10-11 November. Mr. Xianbin Yao, Director General of ADB's Regional and Sustainable Development Department (RSDD) and Mr. Jiwan Acharya, Climate Change Specialist (Energy) presented ADB's initiatives on energy access. Matthew Lynch, WBCSD Program Manager, Development Focus Area, participated in the discussions along with various WBCSD member companies. Several of them presented their perspective on the business role toward expanding access to clean, reliable and affordable energy services for billions of people. The conference summary can be downloaded [here](#).

Member Updates

Nexus Carbon for Development and Yale University co-organize COP17 side event



Photo: Nexus

On December 7, Nexus-Carbon for Development and Yale University co-organized a roundtable at COP17 in Durban, about the issue of financing clean energy for rural populations. Jiwan Acharya from the Asian Development Bank introduced the session by setting the context: the Clean Development Mechanism has shown limits to the extent of which it can support clean rural energy projects. As new finance mechanisms are emerging, it is crucial to look at how CDM has performed, and draw recommendations for future climate funding.

Jiwan Acharya invited three speakers to present their thoughts. François-Xavier Duporge, Secretary General of the French Global Environment Facility, presented case studies and lessons learnt from projects that receive FGEF support, such as the Rural Carbon project in China. According to Priya Karve, Nexus Chairman, two main challenges are emerging for development practitioners. The first one is linked to the definition of pro-poor interventions: are they limited to LDCs? How could we quantify their additional value and ensure a fair price for carbon credits emerging from these projects? The second challenge is to coordinate top down approaches (such as funding from multilateral agencies) and bottom up initiatives (such as Nexus, an alliance of development practitioners) to maximize impacts of funding on the field. Jasmine Hyman, from Yale University, highlighted the importance of increasing the transparency in the way finance mechanisms reach target populations.

New Ventures India holds Investor Forum



New Ventures India, in partnership with the World Resources Institute and Citi Foundation, launched the New Ventures India Investor Forum in Mumbai, India on 12 December 2011. The event features innovative ideas and business models of clean energy companies and social enterprises. Majority of these companies have begun initial operations and market testing, and are now looking for funding to scale up and expand their operation. Each presentation was in the form of a 10-minute investment pitch, covering the value proposition of the company, composition of the management team, business model and

financial performance. A panel of judges conducted a Q&A at the end of each presentation to probe into the company's viability and recommend areas for improvement. The most valuable aspect of the event came after its conclusion, during the 1 on 1 meetings between the presenters and New Ventures India's investor network. Facilitating deal closure through an organized and compact event is the primary foundation of New Ventures India's relevance and credibility in the sector.

SNV's biogas plant installations reach 36,539 for first half of 2011



Photo: SNV

SNV, the convener of the domestic biogas working group of the Energy for All partnership has already installed around 360,000 biogas plants in Asia and Africa as of June 2011. For the first half of 2011 alone, more than 36,000 biogas plants have been installed through the country programs supported by SNV. The largest numbers were realized in Nepal, Vietnam, Bangladesh and Cambodia. The biogas program in Indonesia is gaining momentum, while some of the younger African programs (Kenya, Uganda, Ethiopia and Burkina Faso) are progressing quickly. It is expected that the overall production rate of the

programs this year will surpass the rate achieved in 2010 which is over 61,000 plants.

Indonesia celebrates 4,000th biogas digester



Photo: SNV

In a ceremony held in Bandung (West Java) on 23 November 2011, an award was given to the 4,000th owner of the biogas plant in Indonesia. The event was also highlighted with the achievement of the 50% target of the BIRU (Biogas Rumah) Programme, implemented by Hivos and SNV Netherlands Development Organisation in cooperation with the Ministry of Energy and Mineral Resources (MEMR) of Indonesia. The BIRU Programme started in May 2009 and aims to build minimum of 8,000 domestic biogas plants in at least six Indonesian provinces

by the end of 2012. Speaking at the event, Dutch Ambassador Tjeerd de Zwaan said that the success of BIRU Programme had shown that capacity building was crucial for developing a sustainable new renewable energy sector. Read full story [here](#).

TERI's LaBL campaign touches more lives



Photo: TERI

Since the implementation of the Lighting a Billion Lives (LaBL) campaign in 2008, The Energy Resources Institute (TERI) has already disseminated more than 47,080 solar lanterns in India and Myanmar benefitting about 235,000 people.

The LaBL initiative is based on an entrepreneurial model of energy service delivery which seeks to provide high-quality and cost effective solar lanterns, disseminated through micro solar enterprises (called solar charging stations) set-up in unelectrified or poorly electrified villages. The charging station is operated and managed by a local entrepreneur trained by TERI. During night-time, the entrepreneur rents the solar lanterns to rural households at an affordable fee. The fees collected are set

aside for repair and maintenance to ensure sustainability. TERI expects to reach 250,000 people by the end of 2011.

Barefoot Power listed in 2011 Global Cleantech 100 Australian Social Enterprise



Barefoot Power has been included in the 2011 Global Cleantech 100. The Cleantech Group compiles an annual list of the most promising private cleantech companies globally, listing those it expects to make the biggest impact on clean technology in the next 5-10 years. The Global

Cleantech 100 program is run by the Cleantech Group, in collaboration with the UK's Guardian News and Media. Companies are nominated by the public and rated by a panel of the world's foremost Cleantech investors and corporations. This year 4274 companies were nominated from more than 45 countries and Barefoot Power has been named as one of the top 100 companies.

Barefoot Power is a member of the Energy for All partnership's Lighting for All working group. Read full article [here](#).

CAT Projects bags the highest Australian engineering award



AUSTRALIAN ENGINEERING
EXCELLENCE AWARDS 2011
SIR WILLIAM HUDSON AWARD WINNER

The CAT Projects through their project Bushlight India Project was awarded the highest honor by winning the Sir William Hudson Award for Engineering Excellence during the 2011 Australian Engineering Excellence Awards dinner held at the Great Hall of Parliament House Canberra on 23 November 2011.

The Bushlight India Project was selected since it demonstrates a fine integration of Australian engineering with community organizations using renewable energy to provide electricity to remote villages in India who otherwise don't have power. Utilizing

\$2 million in funding from the Australian Government as part of the Asia-Pacific Partnership on Clean Development and Climate, the Bushlight India Project has given opportunities to countless small businesses. The project model is unique for its service philosophy of providing an agreed, assured amount of energy – available 24/7 – to all consumers. This is achieved through a consultative energy planning process and a low cost household energy meter. This project has the potential to impact over 150,000 remote villages in India, and potential for export throughout the developing world. For more information about the award, please visit <http://www.excellenceawards.org.au/>.

Inensus expands MicroPower Economy



Photo: Inensus

Inensus, a leading provider of services and power electronic products in the field of small wind and decentralized energy systems is currently implementing the "MicroPower Economy" in Senegal.

MicroPower Economy is a business and risk management model for ecologically, socioeconomically and financially sustainable electrification of off-grid villages. The model which utilizes renewable energy systems has a tariff and accounting model that enables the electricity users to plan

their electricity consumption automatically thereby reducing the stress of the power system. The model also has load management and accounting unit which takes care of demand side management. The unit performs disconnection of service for some users during overload and switching of preferential loads like water pumps when free renewable capacity is available.

Through their wind-PV hybrid system, Inensus has energized 70 households benefitting 900 people in 2010 and 90 households (1,200 people) in May 2011. Through funding from Daey Ouwens (Netherlands Agency), Inensus will extend its service to cover around 6,000 households or 30,000 people located in 30 villages in Senegal. The business model piloted by Inensus could be used in Asia as well.

UNCDF to operationalize CleanStart



CLEANSTART

The UN Capital Development Fund (UNCDF) and the United Nations Development Programme (UNDP) will establish and operate a global program called CleanStart to create microfinance opportunities for clean energy. The program will invest USD22 M that will be used as capital fund for low income people in Asia and Africa. CleanStart will offer sustainable financial services with an end-goal of providing permanent access to modern energy. By 2017, it is expected to benefit at least 2.5 million people.

Cleanstart will initially cover 6 countries in Asia and Africa. Provisional candidate counties include Bangladesh, Cambodia, India, Nepal, Philippines, Ethiopia, Kenya, Malawi, Mali, Tanzania and Uganda.

News

Nepal inaugurates first wind-solar hybrid system

The Government of Nepal has inaugurated the country's first mini-hybrid power system in Dhaubadi village of Nawalparasi district on 16 December 2011. The hybrid system is consist of two sets 5 kW wind turbines, complimented by 2 kWp of solar PV panels that will satisfy the village's electricity demand of 43.6 kWh per day. The project has also provided villagers with solar cookers, solar dryers and biogas systems. There are plans to build greenhouses to absorb solar energy and manage water use for high-value cash crop and vegetable production, which will augment the village's income.

The wind-solar hybrid system was installed under ADB's regional technical assistance (RETA). The Alternative Energy Promotion Centre of the Ministry of Environment is the implementing agency in Nepal. The \$3.8 million RETA will contribute to ADB's "Energy for All" initiative by increasing access to energy in remote rural areas.

Read full story [here](#).

ADB's 'My View' Video Contest Focuses on Energy for All



ADB launched recently "My View" video contest with the theme "Energy for All." The theme coincides with the United Nations-declared International Year of Sustainable Energy for All in 2012, which aims to highlight the critical role universal access to energy plays in global development and poverty alleviation.

The annual competition gives aspiring filmmakers opportunities to showcase their talents by producing a short film to illustrate key development challenges facing Asia and the Pacific. The competition is open to citizens of ADB's member countries. A total of \$10,000 worth of prizes is available in two categories, with no age restrictions for contestants. Registration for the contest is easy. Applicants need to complete a short online form at the My View website <http://www.adb.org/MyView/> and then upload their videos to YouTube.com or Youku.com, tagging it with 'ADB-MyView'. The deadline for submission of entries is 21 February 2012.

Nordic Climate Change Facility launches third call for proposals



The Nordic Climate Facility (NCF) has launched the Third Call for Proposals on "Innovative low-cost climate solutions targeted for local businesses" in eligible developing countries. The deadline for submitting proposals is 16 January 2012.

The aim of the NCF is to promote the transfer of technology, know-how and innovative ideas between the Nordic countries and low-income countries facing climate change challenges. The main goal is to bolster the capabilities of low-income countries to mitigate and adapt to climate change challenges and implement sustainable development measures which will lead to the reduction of poverty. The total budget for the Third Call is EUR 6 million. For more information, please visit [NEFCO site](#).

New hydro plant to provide clean energy for Thailand, cut poverty in Lao PDR



Photo: ADB

The Asian Development Bank (ADB) will provide approximately \$465 million to support the construction of a 440-MW hydropower plant that will supply power to Thailand and provide revenue to fund poverty reduction programs in Laos. The new plant is expected to generate upwards of \$770 million for Laos, of which more than \$200 million is specifically earmarked for poverty reduction and environmental protection programs.

The public private Nam Ngum 3 power plant, on the Nam Ngum River in northern Laos, will provide 2,072 GWh of electricity annually. Read full story [here](#).

ADB loan to help Bangladesh cut energy shortage, reduce poverty

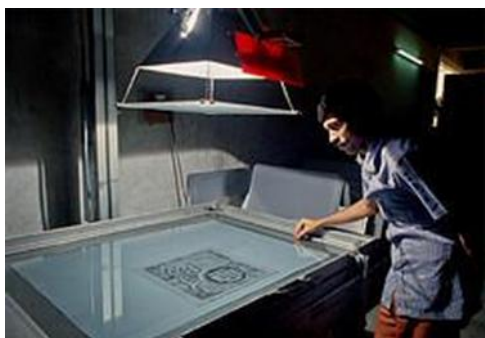


Photo: ADB

The Asian Development Bank (ADB) is extending a [\\$300 million energy infrastructure loan](#) to help Bangladesh address critical power shortages which are undermining the economy and slowing poverty reduction efforts.

The project will fund the replacement of five aging generation units at Ashuganj power station with a new energy-efficient combined cycle power plant using natural gas as the fuel source. It will also finance a 5MW solar photovoltaic generating system that will connect to the national grid, along with a hybrid wind, solar and diesel

system on the island of Hatiya. Streetlights will be installed or retrofitted with solar and light emitting diode (LED) technology in the cities of Barisal, Chittagong, Dhaka, Khulna, Rajshahi and Sylhet. The project also incorporates a gender action plan, funded by an ADB technical assistance grant of \$350,000, that will ensure women are able to benefit equally from energy-related employment and livelihood opportunities.

ADB to Help GMS Boost Biomass Use for Clean Energy, Food Needs



Photo: ADB

The Asian Development Bank (ADB) is to help the Greater Mekong Subregion (GMS) to scale up the use of biomass waste in the agriculture sector to meet its growing need for clean energy and food security for poor rural households.

The ADB has approved a regional technical assistance project that will be funded by a [\\$4 million grant](#) from the Nordic Development Fund along with counterpart financing of \$600,000 from the governments of Cambodia, Lao PDR and Viet Nam. ADB will administer the grant and carry out

the project in the three countries. The project will fund pilot investment projects to scale up biomass technologies such as household biogas systems, biochar kilns, and improved cooking stoves. The project will also conduct studies, build human and institutional capacity on biomass investment, and promote regional exchange among the GMS countries.

Events

The World Future Energy Summit 16-19 January 2012, Abu Dhabi, United Arab Emirates



The World Future Energy Summit is a leading platform of international policy makers, innovators, business decision makers and investors to explore global energy challenges. This year's Summit program has been designed to address the theme Powering Sustainable Innovation where the International Year of Sustainable Energy for All will be launched. For more information please visit this [site](#).

12th Delhi Sustainable Development Summit 2-4 February 2012, Hotel Taj Palace, New Delhi

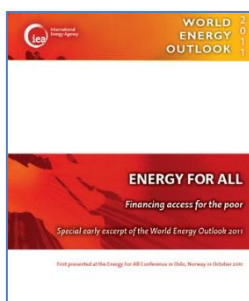


The Energy and Resources Institute (TERI) is organizing the annual Delhi Sustainable Development Summit (DSDS) with the theme, Protecting the Global Commons: 20 years post Rio. The debates at this DSDS will revolve around the commons and take

stock of the situation since the Rio summit of 1992. A regional roll out campaign of International Sustainable Energy for All will be one of the pre-events of the DSDS. For more information please visit this [site](#).

Publication Review

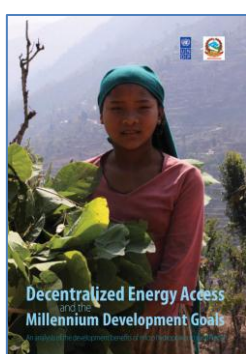
World Energy Outlook 2011: Energy for All



The 2011 issue of the World Energy Outlook tackles the critical issue of financing the delivery of universal modern energy access. The report begins by providing updated estimates of the number of people lacking access to electricity and clean cooking facilities by country. It offers for the first time in energy literature, an estimate of the total amount of investment taking place globally to provide access to modern energy services and provides details on the sources of financing. The report then examines what level of modern energy access might be achieved by 2030.

The report is a special early excerpt of the World Energy Outlook 2011. Download full report [here](#).

Decentralized Energy Access and the Millennium Development Goals: An analysis of the development benefits of micro-hydropower in rural Nepal



The Government of Nepal collaborates with the United Nations Development Programme (UNDP) for the conduct of study on the development benefits resulting from access to electricity for rural and remote communities in Nepal. This study is based on the successful expansion of the Rural Energy Development Programme executed by the Alternative Energy Promotion Centre. Aimed at increasing access to decentralized energy systems in rural Nepal, the programme has adopted community mobilization as the pillar of its activities. The assessment illustrates the development benefits of rural electrification through micro-hydropower in improving the quality of life of people in rural and remote areas of Nepal. Such benefits of access to electricity have made a profound

contribution to multiple aspects of human development, from poverty to health, education, gender equality, access to information and communication and environmental sustainability. Download full report [here](#).

Investing in Clean Energy for the Base of the Pyramid in India



This report has been prepared by the India's Centre for Development Finance at the Institute for Financial Management and Research and the World Resources Institute's New Ventures Program. The report seeks to enhance the understanding of the investment potential of the clean energy industry serving India's rural poor. Based on the extensive field work with clean energy companies and rural BoP consumers as well as rigorous secondary research, the report showcases the eleven companies selling innovative products and services to sustainably meet the energy need of the rural poor. It also analyses both the market opportunities and the challenges to scale up that the industry faces.

Download full report [here](#).

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