



HIGHLIGHTS

Policy Initiatives 05
China in £17 billion emissions and renewable pledge...

Business & Markets 06
Haryana to invest Rs 230crore in 5 biopower projects...

Finance & Investments 11
Surat to be India's first 'Eco City'...

R & D - Technology 13
Biofuels research in bamboo begins in Mississippi...

Climate Change & Environment 14
Climate change may impact wheat productivity in Punjab...

Published by

BIO-ENERGY COUNCIL OF INDIA
704-Shitiratna, Panchwati, Ellisbridge
Ahmedabad - 380006, India.
Tel : +91 79 66309332 Fax : +91 79 6630 9334
W : www.bioenergyindia.org
E : info@bioenergyindia.org

Supported by

Abellon CleanEnergy

W : www.abelloncleanenergy.com
E : abellon@abelloncleanenergy.com



Dear Readers,

No one these days denies the need for sustainable business practices . Sustainable growth is what we need – from the ground up, and not from the top

For generations now, people have polluted the earth in the name of convenience. As per a study around 68% of carbon emission in organizations is directly related to consumer use, while the manufacturing process contributes only 3%.

In the face of growing climate change challenges, however, organizations now have teams working on the arduous task of quantifying the contribution of ecosystems to human life. And take responsibility to reduce emissions from its manufacturing plants.

The trend of mandatory sustainability has picked up steam as consumers, investors, and civil society in general increasingly demonstrate that they value the social responsibility of corporations .

We at Bio-Energy Times have faithfully recorded news & happenings from all over the world for our readers -showcasing the good work that is happening - in an attempt to highlight the same, generate inspiration and learning, and encourage innovation.

We pledge to continue doing so and look forward to your support and patronage in promoting the cause of a clean, green world.

Thank You.

Please post your feedback on
Bio-Energy Times @
[http://www.bioenergyindia.org/
frmsendnewsfeedback.aspx](http://www.bioenergyindia.org/frmsendnewsfeedback.aspx)

Confidentiality & Disclaimer

This is a confidential document intended solely for internal circulation. This document may not be reproduced, cited or otherwise circulated in any form without the express written consent of Abellon CleanEnergy Ltd.

The information contained as a part of this document has been prepared using publicly available sources. We are in no way liable for any factual inaccuracies that may have inadvertently occurred.

Policy Initiatives

INDIA

E-waste disposal rules come into force

These rules apply to every producer, consumer or bulk consumer, collection center, dismantler and recycler of e-waste involved in manufacture, sale, purchase and processing of electrical and electronic equipment.

<http://economictimes.indiatimes.com/tech/hardware/e-waste-disposal-rules-come-into-force/articleshow/12951096.cms>

New tariff order to mandate use of 2% green energy

New revised domestic tariff for financial year 2012-13 orders that discoms will be obliged to procure a mandatory 2% power through renewable energy sources like sun, wind, geo-thermal, municipal waste, among others.

http://articles.timesofindia.indiatimes.com/2012-05-14/delhi/31700860_1_renewable-energy-green-energy-solar-energy

Government to make new policies on RE: Modi

CM Sushil Kumar Modi -Government was ready to make new policies with focus on solar, bio-mass and hydro power. The Government has already identified 5 districts for setting up solar water plants in which the Center's share would be 50% of the total amount while the state government would contribute the 40%. The remaining 10% would be given by the farmer.

http://articles.timesofindia.indiatimes.com/2012-05-15/patna/31710860_1_renewable-energy-greenpeace-india-renewable-sources

India may bar Europe carriers in climate tax row

http://articles.economictimes.indiatimes.com/2012-05-26/news/31860946_1_eu-airlines-bans-airlines-eu-carbon

Green mission to restore forest cover in Shivalik hills

Under the Center's Green India Mission, 2,154 villages located around Shivalik hills have been included in a prospective 10-year plan for Punjab in regard to conservation of the existing forest resources, plantation, regeneration degraded area as well as soil and moisture conservation.

www.expressindia.com/latest-news/green-mission-to-restore-forest-cover-in-shivalik-hills/955779/

UNDP to developing countries: Take on a greater role in reducing emissions

According to the report, "One Planet to Share" by the United Nations Development Programme, marks a subtle change in the global approach to climate change in that it now calls on emerging economies to take on a greater role in reducing emissions

http://articles.economictimes.indiatimes.com/2012-05-10/news/31655648_1_global-emissions-climate-change-countries

NORTH AMERICA

Minnesota, Arizona sign new biofuel legislation into law

In Minnesota, the 2012 Omnibus Agriculture Policy bill extends exceptions to the state's biodiesel mandate for 3 more years, and expands the state's E20 mandate for 2 years. The 2 new Arizona laws help insure algae cultivation is treated the same as other agricultural operations under state law.

www.biodieselmagazine.com/articles/8493/minnesota-arizona-sign-new-biofuel-legislation-into-law

Government of Canada Supports Development of Network for Forest Biomass Expertise and Conversion

www.marketwire.com/press-release/government-canada-supports-development-network-forest-biomass-expertise-conversion-1661473.htm

Policy Initiatives

Canada launches new clean transport programme

The Government of Canada has launched the 5 year, C\$38mn ecoTECHNOLOGY for Vehicles Program, continuing a commitment to clean transportation.

www.newenergyworldnetwork.com/investor-news/renewable-energy-news/news-type/policy-news/canada-launches-new-clean-transport-programme.html?utm_source=NewNet+Clean+Energy+Investor+Newsletter&utm_campaign=1d75cfa9df-TEST_NewNet_Clean_Energy_Investor&utm_medium=email

EUROPE

Energy minister commits UK to biomass future

According to the Government's new strategy, the biomass sector could produce as much as 11% of the UK's energy while also supporting 50,000 jobs by the end of the decade.

www.kms.ee/articles/Energy_minister_commits_UK_to_biomass_future?206

Government expresses 'concern' over Spanish bio fuel trade restrictions

www.buenosairesherald.com/article/100819/gov%E2%80%99t-expresses-concern-over-spanish-bio-fuel-trade-restrictions

Energy Minister Barker leads UK green trade mission to USA

Energy and Climate Change Minister Greg Barker is leading a UK business trade mission to the southern United States this weekend aimed at strengthening the UK-US trade relationship and building the economic and business case for the move to a low-carbon economy.

www.clickgreen.org.uk/events/events/123466-energy-minister-barker-leads-uk-green-trade-mission-to-usa.html

UK urged to prioritize low carbon export potential

www.newenergyworldnetwork.com/investor-news/renewable-energy-news/by-technology/energy-efficiency/uk-urged-to-prioritise-low-carbon-export-potential.html?utm_source=NewNet+Clean+Energy+Investor+Newsletter&utm_campaign=637ea6e906-TEST_NewNet_Clean_EnergyInvestor&utm_medium=email

France plans to revive EU carbon tariff

www.guardian.co.uk/environment/2012/may/18/france-eu-carbon-tariff?newsfeed=true

EU greenhouse gas emissions rise despite climate change policies

www.guardian.co.uk/environment/2012/may/30/european-union-greenhouse-emissions-rise?newsfeed=true

UK to pursue electricity market law to boost low-carbon plants

UK plans to overhaul its electricity market as the government seeks to prevent spikes in natural-gas prices and spur investment in lower-emitting technologies.

www.bloomberg.com/news/2012-05-09/u-k-to-pursue-electricity-market-law-to-boost-low-carbon-plants.html

AFRICA

African Countries called on to ensure stronger linkages for biosafety regulations

www.vibeghana.com/2012/05/16/african-countries-called-on-to-ensure-stronger-linkages-for-biosafety-regulations/

Ghana preparing 3rd climate change communication strategy for UN-FCCC

www.spyghana.com/science-and-technology-news/ghana-preparing-3rd-climate-change-communication-strategy-for-unfccc/

Policy Initiatives

OTHER COUNTRIES

Asian countries told to reduce climate change's negative impacts

A study jointly conducted by the ADB and the Asian Development Bank Institute (ADBI) revealed that regional governments must create a carbon market, phase out pervasive fossil fuel subsidies, and establish an Asian free-trade zone for high-impact, low-carbon technologies and services to promote green growth in Asia.

www.thejakartapost.com/news/2012/05/03/asian-countries-told-reduce-climate-change-s-negative-impacts.html

Vietnam supports UN sustainable energy initiative

The Sustainable Energy for All Initiative has been put forward to support the year by mobilizing action from governments, the private sector, and civil society partners globally. It has set three objectives: ensuring universal access to modern energy services, doubling the global rate of improvement in energy efficiency, and doubling the share of renewable energy in the global energy.

www.english.vietnamnet.vn/en/politics/22263/vietnam-supports-un-sustainable-energy-initiative.html

China in £17 billion emissions and renewable pledge

The Ministry of Finance in China has vowed to pump 170bn yuan – or just over £17bn – into energy efficiency, renewable energy and emissions reduction this year, as the country begins to ramp up its climate change initiatives.

www.blueandgreentomorrow.com/2012/05/28/china-in-17-billion-emissions-and-renewables-pledge/

INDIA

Algae-based biodiesel producer World Health Energy Holdings (WHEN) plans to begin two commercial projects in India

www.marketwatch.com/story/reuters-algae-based-biodiesel-producer-world-health-energy-holdings-when-plans-to-begin-two-commercial-projects-in-india-this-year-and-is-targeting-over-200-million-in-sales-in-2013-2012-05-02

Biopower from poultry waste

Silani village is using poultry waste as feed material for running its 65 KVA biogas plant for 14 hours a day for three months.

<http://ibnlive.in.com/generalnewsfeed/news/now-power-from-poultry-waste/998186.html>

Haryana to invest Rs 230crore in 5 biopower projects

<http://ibnlive.in.com/generalnewsfeed/news/haryana-to-invest-rs-230-cr-in-5-biomass-power-projects/1001930.html>

Usher Eco Power Ltd commissions 16MW rice husk biomass Co-generation power plant at Chhata in Mathura

www.eai.in/360/news/pages/4751

NIIST develops compact digester for biomass wastes

The stabilised compost slurry from this biogas plant is excellent soil manure for agriculture applications. A digester of 350-liter volume is sufficient to treat around 3kg of wastes a day. It produces 250 to 600 liters of methane-rich biogas daily.

www.thehindubusinessline.com/industry-and-economy/economy/article3397447.ece?homepage=true&ref=wl_home

IOC to review biofuel business strategy

www.thehindubusinessline.com/companies/article3342792.ece?ref=wl_opinion

Nainital residents hail government's initiative to set up biogas plants

The state Government commenced setting up of biogas plants in their villages under the National Biogas and Manure Management Programme. The input for these plants is dung. Apart from generating affordable alternative fuel for cooking, the farmers also gain from good quality organic manure from the plants.

www.newstrackindia.com/newsdetails/2012/05/03/411-Nainital-residents-hail-government-s-initiative-to-set-up-biogas-plants.html

University of Agricultural Sciences gets power from biogas

The plant will generate around 300-320 units of electricity per day which lasts for 16 hours a day and saves at least ₹50,000 per month in terms of electricity bill.

<http://ibnlive.in.com/news/first-in-country-uas-gets-power-from-biogas/259026-60-115.html>

Production of biogas from sewage waste in India

The Ministry of Urban Development has so far sanctioned 110 sewage projects under the Urban Infrastructure and Governance component of Jawaharlal Nehru National Urban Renewal Mission in 65 cities during 2005-2012.

www.steelguru.com/indian_news/Production_of_bio_gas_from_sewage_waste_in_India/262477.html

India barely taps 2.5% of its renewable energy potential

India has achieved an installed renewable power capacity of 24,914MW as of end March 2012, against its potential renewable power generating capacity of 10,76,160 MW – about 2.3% of the potential.

www.domain-b.com/industry/power/20120507_energy_potential.html

Business & Markets

Invite global tenders for solid waste management: Congress

Ahmedabad Municipal Corporation has shortlisted 3 companies for treatment of solid waste generated in the city. These companies will also cap and harvest landfill site at Pirana

www.dnaindia.com/india/report_invite-global-tenders-for-solid-waste-management-congress_1684326

Bangalore: Save money, go green

City dwellers are opting to construct and reside in green buildings. Eco-friendly houses are constructed with materials that are available at hand such as clay blocks or recycled cement

<http://ibnlive.in.com/news/save-money-go-green/256413-62-132.html>

Eco-friendly buildings in Ranchi

The eco-friendly building concept will lead to less energy consumption and will provide more comfort to the occupants

http://articles.timesofindia.indiatimes.com/2012-05-21/ranchi/31800150_1_green-rating-green-buildings-eco-friendly-buildings

Green and Clean: Smokeless stoves may end ubiquitous chulha

The duo launched the Greenway Smart Stove in 2011, four times more efficient than the ubiquitous mud chulha and emitting 80% less smoke. It followed more than a year of travelling across rural India researching on the cooking techniques

<http://news.in.msn.com/exclusives/it/article.aspx?cp-documentid=250007262>

Greenhouse gas emissions up 4.2%

India's Green House Gas (GHG) emissions rose 4.2 % to 1301.21mn tonne in 2000 compared with 1994 levels and the GHG profile for the year 2007 is estimated to be of the order of 1771.66mn tonnes of Co2 equivalent

www.financialexpress.com/news/greenhouse-gas-emissions-up-4.2/947397/

CO-4 grass, melia dubia, can generate substantial power for Tamil Nadu

www.thehindu.com/sci-tech/agriculture/article3408600.ece

India targets doubling of RE installations to 2017

India plans to add 29,800MW of renewable power generation in five years, more than twice the 12,871 MW added during the previous 5 year plan

www.businessweek.com/news/2012-05-22/india-targets-doubling-of-renewable-energy-installations-to-2017

NORTH AMERICA

Wood Makes Comeback as a Fuel in US

Modern pellet furnaces for homes are a very convenient way of heating. Pellets used in Europe are manufactured on the Continent, the rising demand has caused an increase in new export-oriented pellet plants in Canada, Russia and especially the United States

www.nytimes.com/2012/05/02/business/global/wood-makes-comeback-as-a-fuel.html?_r=1

United States Leads World in Exports of Ethanol

The study examines the public policies, market developments, and economics of the ethanol industry in the two countries which produce 80% of the world's supply.

www.marketwatch.com/story/united-states-leads-world-in-exports-of-ethanol-2012-05-01

Business & Markets

Largest on farm biopower plant gives Rh To 1000 Homes in NY

The project called the 'Synergy Biogas LLC' is located at Synergy Dairy, a 2,000-head dairy farm in Covington, Wyoming County, southwest of Rochester. It has been designed for the processing of animal and food wastes. The New York State Energy Research and Development Authority is funding the project with \$1mn in incentives

www.crazyengineers.com/largest-on-farm-biogas-powerplant-gives-renewable-energy-to-1000-homes-in-ny-2097/

Steam locomotive will run on torrefied biomass

A partnership between Sustainable Rail International and the University of Minnesota is working to revitalize an old world transportation technology with a new world approach to biomass. The aim for the project is also to break the world record for steam locomotive speed (roughly 130 miles per hour), in part, to demonstrate the viability of the technology

<http://biomassmagazine.com/articles/6356/steam-locomotive-will-run-on-torrefied-biomass>

Canadian Government steps up work to boost forest biomass returns

www.renewableenergymagazine.com/article-biomass-20652-74-Canadian-government-steps-up-work-to-boost-forest-biomass-returns

Animal fat to biofuel start-up produces 3K gallons of biodiesel daily in California

The fuel North Star Biofuels produce-called "b-100"-is made more than 100 times faster than the processes used by their competitors. They will use a sealed system that will collect all waste products internally, and uses no water so there will be no runoff

<http://redwoodcity.patch.com/articles/animal-fat-to-biofuel-start-up-produces-3k-gallons-of-biodiesel-daily>

Apple commits to 100% RE for N. Carolina data center

The company plans to install solar arrays and biopower fuel cells to supply a part of the data center's total load (20MW at full capacity) have been publicized

www.datacenterdynamics.com/focus/archive/2012/05/apple-commits-100-renewable-energy-n-carolina-data-center

Canadian railway awarded for biodiesel blending solution

According to Railway Association of Canada the blending technology includes a mobile liquid blending and distribution unit that is capable of blending fuels at a rate of 1,200 liters (317 gallons) per minute

www.biodieselmagazine.com/articles/8509/canadian-railway-awarded-for-biodiesel-blending-solution

EUROPE

Viridis Energy pins hopes on Europe's green movement

The industrial use of wood pellets is expected to grow by 350% by 2020 as European countries seek to meet the mandated targets of 20% of energy produced coming from renewable energy

<http://thechronicleherald.ca/business/91885-viridis-energy-pins-hopes-on-europes-green-movement>

UK pellet equipment manufacturer offering mini mills

PelHeat's new mini pellet mills can produce 250 to 2,000 kilograms of pellets per hour, cost roughly £4,895 (\$7,670), and are designed for hospitals, schools, and other small-scale operations. In addition to the small pellet mills, the company also offers small-scale pellet mill automation units

[jwww.biomassmagazine.com/articles/6358/uk-pellet-equipment-manufacturer-offering-mini-mills](http://www.biomassmagazine.com/articles/6358/uk-pellet-equipment-manufacturer-offering-mini-mills)

Berlin biopower plant ramps up its construction

The plant will burn about 750,000 tons of low-grade wood per year. That consumption is expected to pump roughly \$25 million into the North Country economy, as foresters, loggers and chippers work to meet the demand for the fuel stock

www.unionleader.com/article/20120504/NEWS02/705049949

Business & Markets

Prince Charles Opens Scotland's Largest Biopower Plant

The plant, located at Barkip near Beith in North Ayrshire, is described as the largest combined organic waste treatment and energy generating facility in Scotland by its owners Scottish and Southern Energy plc

www.industrialinfo.com/showAbstract.jsp?newsitemID=218840

UK storage tank manufacturer enters biomass business

The plant will process roughly 400,000 metric tons of waste wood per year to produce 50 MW

<http://biomassmagazine.com/articles/6326/uk-storage-tank-manufacturer-enters-biomass-business/>

£1.1mn biomass plant opened in Gloucestershire

The plant would burn as much as 2,350 tonnes of waste wood, including chipboard dust and residual off-cuts, from the company's subsidiary Premiere Kitchens

www.kms.ee/articles/1.1_million_biomass_plant_opened_in_Gloucestershire?203

Turboden Develops Organic Rankine Cycle Biomass Power Plants in UK

The plant will generate 1.8 MW of electricity using clean wood waste

www.azocleantech.com/news.aspx?newsID=16548

Fish oil, cow manure combine to produce Biogas in Denmark

The production of omega-3 fish oil in combination with cattle manure can be gainfully used to produce biogas

www.thefishsite.com/fishnews/17065/fish-oil-cow-manure-combine-to-produce-biogas

Algae cultivation could boost UK industry

Algae can be used in a huge variety of products – as a biofuel, in wastewater treatments, cosmetics, fertilizers and animal feeds

<http://planetearth.nerc.ac.uk/news/story.aspx?id=1227&cookieConsent=A>

EBRD launches sustainable energy initiative

www.kms.ee/articles/EBRD_launches_sustainable_energy_initiative?034

EU to lead new UN energy initiative

Top UN and EU officials along with private sector executives, signed a MoU with the Minister of Energy and Mineral Development Irene Muloni to launch the effort dubbed, Sustainable Energy for All in Uganda

www.independent.co.uk/business/business-news/5713-eu-to-lead-new-un-energy-initiative

LATIN AMERICA

Colombian Government addresses biodiesel's greenhouse gas savings

www.biodieselmagazine.com/articles/8503/colombian-government-addresses-biodiesels-greenhouse-gas-savings

Anthony NM Plant Creating Thousands Of Gallons Of Biofuel

Rio Valley Biofuels in Anthony makes about 2,000 gallons of biodiesel fuel a day. The fuel is made from vegetable oil waste from local restaurants and food processing factories

www.kvia.com/news/31024531/detail.html

Brazil seeks biofuel exports to Spain as Argentina barred

Brazil's biodiesel plants have annual production capacity of 6.94bn liters 15 factories with 4.59bn liters of capacity have been approved for exports, Battistella said. Spain purchased 1.87 bn liters of biodiesel from Argentina in 2011

www.businessweek.com/news/2012-05-04/brazil-seeks-biofuel-exports-to-spain-as-argentina-barrred

Business & Markets

Waste Management to build Ohio landfill gas plant

The plant will generate 4.8MW to power more than 3,500 homes

www.biomassmagazine.com/articles/6331/waste-management-to-build-ohio-landfill-gas-plant

AFRICA

African Governments urged to focus on suitable development projects

President of the International Development Centre, based in Canada, has urged African countries to focus on development projects suitable for their environment instead of relying on donor countries to impose projects on them

www.ghana.gov.gh/index.php/component/content/article/96-top-headlines/12886-african-governments-urged-to-focus-on-suitable-development-projects-

Ministry of Internal Affairs has launched the Community Energy Efficient Stove Project in Monrovia, Africa

The Eco-Stove uses up to 50% less fuel and thereby reduces users' expenditure on fuel. It also decreases cooking time and emits fewer pollutants than other types of institutional stoves

www.liberianobserver.com/index.php/news/item/1398-internal-affairs-ministry-launches-eco-stove-projectby

OTHER COUNTRIES

Singapore energy provider opens biomass steam plant

The Jurong Island woody biomass steam production plant can generate 22 tons of process steam per hour

www.biomassmagazine.com/articles/6309/singapore-energy-provider-opens-biomass-steam-plant

National Biodiesel breaks ground on new soy biodiesel plant in Australia

The facility will process 1.1mn metric ton of soybeans in the first year of operation growing to 1.36mn metric tons after five years. About 288mn liters of soy biodiesel will be produced from the by-product soybean oil collected at the meal processing facility

www.biofuelsdigest.com/bdigest/2012/05/01/national-biodiesel-breaks-ground-on-new-soy-biodiesel-plant-in-australia/

Loxley to build B60mn algae biofuel plant

The location will likely be at the power plant owned by Ratchaburi Electricity Generating Holding Plc in Ratchaburi province so that Co2 from the plant can be used to feed algae

www.bangkokpost.com/business/economics/293325/loxley-to-build-b60m-algae-biofuel-plant

Indonesian Farmers produce biogas for energy

Farmers in Central Java have started to produce biogas processed from animal dung to meet their electricity needs. The association announced at a recent ceremony that it had created 300 units of biogas digesters in 20 subdistricts across the province

www.thejakartapost.com/news/2012/05/18/farmers-produce-biogas-energy.html

Bridgestone to make world class tires from 100% sustainable materials

www.crazyengineers.com/bridgestone-to-make-world-class-tires-from-100-sustainable-materials-2181/

Global carbon market value hits record \$176bn

Worldwide emissions trading volume rose 17% year on year to 10.3bn tonnes of Co2 equivalent, with permits in the EU Emissions Trading Scheme

http://articles.timesofindia.indiatimes.com/2012-05-30/developmental-issues/31899179_1_carbon-market-eu-ets-eu-carbon

INDIA

Alstom grants € 90K to Husk Power Systems Project for a green project

The grant aims to minimize water usage by over 80% and save 150,000 tons of CO2 by 2014

<http://economictimes.indiatimes.com/news/news-by-company/corporate-trends/alstom-grants-euros-90k-to-husk-power-systems-project-for-a-green-project/articleshow/13392533.cms>

Bangalore invests heavily into extra biofuel research hubs

The chairman of the Karnataka State Biofuel Development Board in Bangalore helped lay the foundation for the first of 13 proposed new biofuel research centers in the district these will be added to the 17 existing information outlets, but these new centers will be designed to collect different types of non-edible seeds and turn them into between 100 and 150 liters of bio-diesel per day

www.biofuels-news.com/industry_news.php?item_id=4971

Surat to be India's first 'Eco City'

UK-based charity The Ecological Sequestration Trust (TEST) has decided to spend nearly Rs 50crore over a period of five years to build Surat a sustainable development model that will be more environment-friendly

http://articles.timesofindia.indiatimes.com/2012-05-31/surat/31920549_1_public-transport-transport-system-eco-city

NORTH AMERICA

DOE funds biomass cookstove research

The U.S. DOE has announced up to \$2.5mn in funding for research to advance clean biomass cookstove. The funding will support the development of innovative cookstove designs that allow users to burn wood or crop residue more efficiently and with less smoke than open fires and traditional third world stoves

<http://www.biomasstmagazine.com/articles/6310/doe-funds-biomass-cookstove-research>

Zere awarded grant for 'near zero emission' fuel project

www.biofuels-news.com/industry_news.php?item_id=4992

Central Park conservancy awarded grant to design new waste management system

The Central Park Conservancy has been awarded a \$500,000 grant from Alcoa Foundation. The system is expected to set a new standard in how waste is handled in the world's busiest urban parks

<http://eponline.com/articles/2012/05/11/central-park-conservancy-awarded-grant-to-design-new-waste-management-system.aspx>

Rs 125crore grant for Indo-US clean energy research

The funding will be over 5 years, under the Indo-US Joint Clean Energy Research and Development Center. This will be for joint research and development in solar energy, advanced biofuels and building energy efficiency. The objective is to develop and optimize several crops such as high-yield biomass sorghum, bmr-sorghum, pearl millet, bamboo and switch grass as lignocellulosic biofuel feedstocks, which will be efficiently converted to biofuels besides optimizing our capacity to utilize waste streams in the cellulosic ethanol conversion process.

www.thehindubusinessline.com/industry-and-economy/economy/article3401324.ece?homepage=true&ref=wl_home

Finance & Investments

EUROPE

EBRD to invest € 6.5bn in sustainable energy

Sustainable Energy Initiative will invest in projects worth € 15-25bn, with the aim of cutting emissions in its area of operations by up to 32mn tonnes a year

<http://uk.reuters.com/article/2012/05/18/ebird-energy-idUKL5E8GIAM120120518>

AFRICA

Nigeria gets \$85mn funding for RE projects – AfDB

The Climate Investment Fund provides a unique financing instrument designed to support low-emissions and climate-resilient development through scaled-up financing channeled through the African Development Bank, Asian Development Bank, European Bank for Reconstruction and Development, Inter-American Development Bank, and the World Bank Group

www.vanguardngr.com/2012/05/nigeria-gets-85m-funding-for-renewable-energy-projects-afdb/

OTHER COUNTRIES

World Bank approves \$275mn loan for Manila's waste management

The project will support investments of the two water concessionaires – Manila Water Company Inc. and Maynilad Water Services Inc. – to increase collection and treatment of wastewater from households and other establishments in the metropolis

www.sunstar.com.ph/breaking-news/2012/05/16/world-bank-approves-275m-loan-manilas-waste-management-221743

INDIA

ITM takes up climate study aiming for better crop, water resources

Weather scientists at the Indian Institute of Tropical Meteorology are studying high resolution climate projections over South Asian Monsoon region which is expected to contribute to future crop and water management and planning in India

http://articles.timesofindia.indiatimes.com/2012-05-19/the-good-earth/31777462_1_climate-study-tropical-meteorology-cccr

NORTH AMERICA

Biofuels research in bamboo begins in Mississippi

www.biofuels-news.com/industry_news.php?item_id=4995

Salk scientists find clue to boosting biofuel production

Salk Institute scientists have identified a new class of proteins involved in making seed oils. The findings may lead to higher yields of fatty acids, important for animal and human nutrition, renewable sources of industrial chemicals and biofuels

www.nctimes.com/business/salk-scientists-find-clue-to-boosting-biofuel-production/article_a27e7922-4300-5b2d-ac7a-9b1540f17ad9.html

Study finds emissions from widely used cookstoves vary with use

Illinois researchers found that how users operate their stoves has a big effect on emissions. Biomass-burning cook stoves are used throughout the developing world, using wood, agricultural waste and other organic matter as fuel. They are also a major cause of poor air quality in the regions where use is prevalent. Policymakers and nonprofit organizations are working to develop and distribute "improved" cook stoves

<http://phys.org/news/2012-05-emissions-widely-cookstoves-vary.html>

EUROPE

Researchers claim new bioenergy alternative from hydrogen

Research shows the huge potential for biohydrogen to be the fuel for the future. Biohydrogen could be made from the wastes from bioethanol production, giving two biofuels for the price of one

www.biofuels-news.com/industry_news.php?item_id=4978

Climate Change & Environment

INDIA

Climate change may impact wheat productivity in Punjab

Research by scientists in Punjab Agriculture University on the impact of climate change on forest plantations, has got the state forest department worried. For, over 16,000 km of area across 6 districts, in the Kandi belt of the state, is expected to be grossly impacted by rising temperatures

http://articles.timesofindia.indiatimes.com/2012-05-31/global-warming/31920007_1_national-action-plan-climate-change-green-india-mission

Climate change hits fruit crops hard in South Gujarat

http://articles.timesofindia.indiatimes.com/2012-05-22/surat/31813825_1_mango-crop-navsari-agriculture-university-climate

Sikkim to host sustainable mountain development summit

The summit would focus on water, mountain livelihood and communities and forests. The summit also aims to discuss the policy framework around these themes and suggest interventions to make them more relevant

http://articles.timesofindia.indiatimes.com/2012-05-21/developmental-issues/31800247_1_development-summit-carbon-footprint-sikkim

Climate change to impact forests in India

According to the report, a digital forest map of the country was used to determine spatial location of all the forested areas. This map was based on a high-resolution mapping, wherein the entire area of India was divided into over 165,000 grids. Out of these, 35,899 grids were marked as forested grids --along with the forest density and forest types

http://zeenews.india.com/news/eco-news/climate-change-to-impact-forests-in-india_774286.html

NORTH AMERICA

Seagrasses beat rainforests in carbon storage

According to the comparison report Coastal seagrass beds store up to 83,000 metric tons of carbon per square kilometer, where a typical terrestrial forest stores about 30,000 metric tons per square kilometer, most of which is in the form of wood

www.global-adventures.us/2012/05/22/climate-change-seagrasses-rainforests-carbon/

OTHER COUNTRIES

World's carbon dioxide levels hit 'troubling milestone'

www.onlinesentinel.com/news/Warming-gas-levels-hit-troubling-milestone-.html

mn - Million | bn - Billion | RE - Renewable Energy | BTL - Biomass-To-Liquid | CDM - Clean Development Mechanism | CCS - Carbon Capture & Storage | BCAP - Biomass Crop Assistance Program | MSW - Municipal Solid Waste | AD - Anaerobic Digestion | WTE - Waste-to-Energy | SWM - Solid Waste Management

“CONVENIENT, SAFE & COST EFFECTIVE”

Eco-Chulha is a community cooking stove, uniquely designed for large scale cooking applications using clean, economical and eco-friendly fuel. It is an energy efficient appliance that is easy to use and safe. A perfect solution for heavy duty continuous cooking.

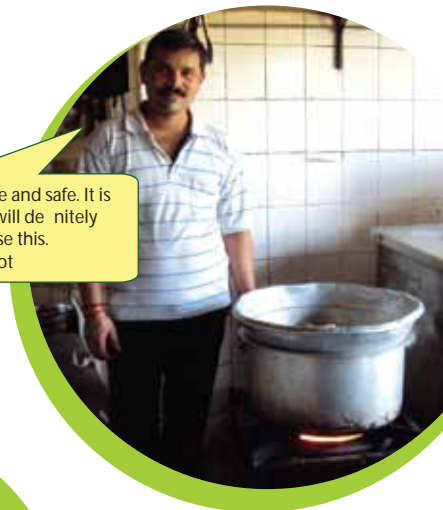


■ Our Esteemed Customers



I am using this stove since last 6 months. It gives 28 - 29% saving. Nutrimeal Food Solutions, Ahmedabad

Eco-Chulha is easy to use and safe. It is also cheaper than gas. I will definitely recommend others to use this. Chetna Restaurant, Rajkot



We are using this Chulha for more than 5 months. It has reduced my fuel bill by 30% Adarsh Hostel, Baroda

Abellon CleanEnergy

Corporate Headquarters: Sangeeta Complex, Nr. Parimal Crossing, Ellisbridge, Ahmedabad - 380 006, INDIA.
Tel.: +91-79-6630 9332 | Fax: +91-79-6630 9334 | E-mail: abellon@abelloncleanenergy.com | Web: www.abelloncleanenergy.com

Contact for more information / free demonstration: +91-9099958699