



TERRE CELEBRATE 2nd ANNIVERSARY OF NEWSLETTER ISSUES

The Earth Revives as we Redefine 'Existence':
Two years of adding meaning to living with
sustainable living and environment protection with
TERRE



Taking Eco-friendly Route to Reach Epitome of
sustainable living practices with TERRE: two
years of giving back, satisfaction and
rejuvenation

Turning Estranged Rationale to Rational
Emergence of ideas of sustainable living and
giving back to our TERRE



The most crucial inclusion in the India-US Joint statement issued on Sep 30 is the strategic partnership on energy and climate change. The actions agreed will have far reaching impacts on India's poor, neo-middle class and youth. They will also enhance the image of an India as a steward in international negotiations on environment. The statement said among other things: *"Recognizing the critical importance of increasing energy access, reducing greenhouse gas emissions, and improving resilience in the face of climate change, President Obama and Prime Minister Modi agreed to a new and enhanced strategic partnership on energy security, clean energy, and climate change. They agreed to strengthen and expand the highly successful U.S.-India Partnership topromote efficient urban energy infrastructure; a new program to scale-up renewable energy integration into India's*

'Clean India' movement is more than cleaning streets Cleaning the air is also crucial.



power grid;and accelerate the deployment of cost-effective, super-efficient appliances; and the formation of a new Clean Energy Finance Forum to promote investment and trade in clean energy projects." Enhancing energy efficiency will go long way in reducing India's emissions of Green House Gases (GHGs) mainly CO₂ through its power generating stations that use fossil fuels like coal, oil and gas (nearly 70% of India's power generation is based on fossil fuels). Apart from GHG emissions, power plants also contribute to air pollution due to carbon particulate matters that escape power stations due to inadequate capture of particulates by electrostatic precipitator. Recent report of WHO (World Health Organization) indicated that New Delhi's air pollution is one of the worst in the world.

Another WHO (World Health Organization) report states that more than 6 million-mainly women and children-die globally of air pollution annually As the plans declared by Prime Minister Narendra Modi for 100 smart cities goes on stream, as the population grows, as his 'make in India' campaign attains its heights, as the cold storage requirements increase to feed in those cities, as the number of refrigerated facilities increase to prevent the waste of perishables to give better income to farmers for their produce, the demand for air conditioning grows, India's power requirement would double by 2030 as compared to 2010.

Under business-as-usual it would burden the air that we breath with huge pollution, apart from adding emissions GHGs and global warming. India's air conditioning sector uses up to half of the available electricity during the sub-continent's hottest months. The peak demands during the hottest days burden India's timeworn and tattered power grid. The power outage in India in July 2012 was the largest in the history. Nearly half of India's population suffered during this black out-mainly blamed for the use of air conditioning systems.

A recent study by the Lawrence Berkeley National Laboratory of USA calculates that super-efficient air conditioning in India could avoid the need to build up to 120 medium-sized power plants by 2030. This would save \$60 billion just in construction costs. It also would save Indian consumers and businesses money and take pressure off the electric grid, reduce emission of carbon dioxide and reduce air pollution.

Air pollution can be reduced by enhancing the energy efficiency and by avoiding new power plants based on fossil fuel. Millions of poor lives will be saved. India's import of fossil fuel would also stand reduced. The Clean India campaign, pronounced by PM Modi, started Oct 2 on the occasion of Mahatma Gandhi's birth anniversary. It should not be restricted only to sweeping the roads, brushing the walls and dusting the files. It should move beyond - and also clean the skies from air pollution.

- Rajendra Shende
Chairman, TERRE



Quick Question

Identify the species of this endangered bird



If you know the answer, send in your entry to us at :
info@terrepolicycentre.com

Side Event in Convention of Biodiversity, Pyeongchang, South Korea

TERRE Policy Centre in association with UNESCO organised side event on Sustainable Livelihood in World Natural Heritage Sites Case Study KAAS. TERRE Technology, Education, Research and Rehabilitation for the Environment a not for profit organisation is working with a motive to give sustainable life style in the Northern cluster of western ghats, India. The organisation is giving remedies to the villagers to uplift the natural heritage site. In 2012, 39 sites of Western Ghats of India are nominated as World Natural heritage Sites by UNESCO. But since 2010 TERRE in collaboration with UNESCO and local NGOs and Local government initiated the community dialogue for the sustainable livelihood near the KAAS flower plateau. During last three years TERRE organised guide trainings, behaviour science trainings with the help of local government and NGOs.

The side event was based on the case studies of the KAAS site, basically the implementation of the programme in last two years. KAAS plateau is the hottest of the hot spot for the biodiversity and because of the tourist there is harm for this biodiversity. TERRE did a lot of efforts and started awareness campaigns through the short film presentations, Exhibitions and community dialogue as well.

The side event started with the historical presentation by Dr Vinitaa Apte, President TERRE Policy Centre, she mentioned the activities of TERRE in this area to promote village migration and empowerment of village youth and women as well. TERRE with the help of local government and NGOs keeps continuous dialogue with the forest



guards, with local community to implement the sustainable life style strategies.

Minister Of Environment, forest and Climate Change Mr Prakash Javdekar addressed to the audience through VDO message. He said that this type of side events gives a new vision to the world natural heritage sites. The site of KAAS is from his region and he sincerely wants to adopt sustainable development goals for the surrounding of KAAS. The whole western ghat is hottest of the hot spot and TERRE is doing good job to conserve the traditional knowledge and turn around it to be fitted

to generate employment opportunities as well.

Mr Hem Pande, Additional Secretary, Ministry of Environment, Forest and Climate

Change delivered his key note address on this occasion and insisted to start the programme which will be self sustained and will attract the tourist to generate the revenue. He said "Even if KAAS has been known for its rich Biodiversity reported, some of species are observed on plateau are still new to Science. Many of the endemic, endangered plants are found on Plateau. Scientists have reported 39 species out of 624 species that have entered in the Red Data Book list, are found in Kaas region." Not only because of the scenic beauty the landscape but also the contribution of these small

[Continue on page 3](#)

Number of the Month

“ \$9.7 trillion ”

This is the amount of money that tropical cyclones can cost to global economy over the next century. The cost of reducing emission and bolstering coastal preparedness is relatively cheap, say researchers.



Side Event in Convention of Biodiversity.....

Continued from page 2 life forms in ecosystem services, we cannot afford to lose them. Imagine trying to pollinate every blossom on the plateau: this is what nature does for us. Insects and birds pollinate the plants. Around 80% of the world's plants require a different species to act as pollinator.

Dr Ram Boojh, National coordinator, World natural heritage, UNESCO presented the story of sustainable development near by the World Natural Heritage Sites with the view of traditional knowledge and making the successful model at National Level.

Mr Terrence Hay Edie, Programme advisor (Biodiversity) GEF Small Grants Programme UNDP also presented the case of World Natural Heritage Sites and

necessity of Sustainable Livelihood. He gave a short introduction how the small grants help for the community development near by the villages of World Natural Heritage Sites.

Dr Delfin Ganapin Global Manager GEF Small Grants Programme was present for the side event and he gave a guide line to the participants about the small projects which creates big impact on the natural heritage sites. He praises the good work done by UNESCO to save the biodiversity conservation and he explained the necessity of trainings and community participation to preserve the bio diversity and the natural heritage.

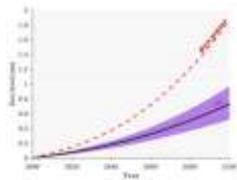
Mr Elise Rebut- Senior Manager, Conservation International Europe, Michael Staneley Jones Programme officer

UNEP Nairobi, Bodh Raj Subedi Under Secretar, Government of Nepal, Mr Ritesh Sharma Technical Expert, GIZ, New Delhi, Md Pradhan - Government of Nepal, Mr Jonathan Soloman Island, Mr Singay Dorji National coordinator, UNDP, Bhutan have interacted and raised questions to the panel on livelihood conditions.

TERRE policy Centre screened the film on KAAS during the side event which was highly appreciated by the audience. The short film was explaining the how the sustainable development takes place after getting the World Heritage Nomination for the Western Ghats 30 sites in 2012. Finally the side event concluded by the short film produced by Hitendra Somani productions on the livelihood Surkshit Bhavishya- Protected Future.



Rising sea levels of 1.8 meters in worst-case scenario, researchers calculate



The climate is getting warmer, the ice sheets are melting and sea levels are rising -- but how much?

The report of the UN's Intergovernmental Panel on Climate Change (IPCC) in 2013 was based on the best available estimates of future sea levels...

[Http://www.sciencedaily.com/releases/2014/10/141014085902.htm](http://www.sciencedaily.com/releases/2014/10/141014085902.htm)

Italy pushes ahead with 'next generation' biofuels from waste



Italy will become the first country in Europe to legally require "advanced biofuels" in

cars and trucks. Made from waste, the new fuels are said to reduce the amount of land taken out of food production.

[Http://www.bbc.com/news/science-environment-29618889](http://www.bbc.com/news/science-environment-29618889)

Cyclone Hudhud: Vizag's megacity plan takes a big hit, death toll rises to 25



Death toll in the devastating Hudhud cyclone that battered the Andhra coast mounted to 25 on 14th October even

as Prime Minister Narendra Modi announced an interim assistance of Rs 1000 crore....

[Http://timesofindia.indiatimes.com/india/Cyclone-Hudhud-Vizags-megacity-plan-takes-a-big-hit-death-toll-rises-to-25/artideshow/44816284.cms](http://timesofindia.indiatimes.com/india/Cyclone-Hudhud-Vizags-megacity-plan-takes-a-big-hit-death-toll-rises-to-25/artideshow/44816284.cms)

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