



KNOWLEDGE X-CHANGE FOR SUSTAINABLE DEVELOPMENT



KxSD E-zine

Visit us at
<http://www.kxsd.org>



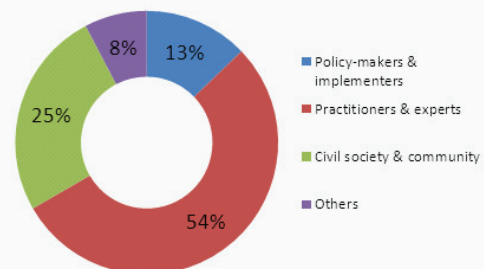
Volume 2 | Issue 1
March 2014

This issue of the KxSD E-zine updates you about some of the latest additions to the portal.

Sharing Knowledge Resources

Knowledge sharing is fundamental in building pathways to develop innovative processes and strategies for fostering sustainable development. Successful communities offer a variety of opportunities for sharing knowledge resources for collaborating and networking. We thank all our contributors and readers who have shared their success stories, innovative technology developments, and other knowledge resources with KxSD. These resources have been invaluable additions to the portal. We look forward to more such contributions in the form of innovations, success stories, papers, statistics, recent developments, and/or comments on policy instruments related to sustainable development.

Registered members



Gateway to Policy Instruments

As policies have wide implications, it is important to draw lessons from successes and failures of the past field experiences wherever applicable for understanding and capturing ground realities in both policy research and policy formulation.

Policy instruments: Forests

Forests account for almost 23 per cent of India's landmass. With more than 200 million people — the world's largest indigenous population — depending upon forests for their survival, it is vital to not only protect and conserve, but to ensure that Indian forests are thriving... [Read more](#)



- **Compensatory Afforestation Fund Management and Planning Authority**

The objective behind the creation of the authority is to promote afforestation and regeneration activities as a way of compensating for forest land diverted for non-forest uses...

- **Green India Mission**

The Mission shall focus upon improving the density of forest cover, lay emphasis on biodiversity, water, improved biomass, carbon sequestration, and addressing ecosystems such as grasslands, wetlands, urban and peri-urban...

- **Joint Forest Management**

JFM is based upon a “co-management” and “give-and-take” relationship between the two major stakeholders — Village communities and the forest department, mediated in most cases by an NGO...

- **REDD+**

REDD+ is an effort to create a financial value for the carbon stored and enhanced in biomass and soil of standing forests...

Statistics

This section provides spatial and graphical representation of statistics in the form of maps and graphics, arranged according to location and themes.

State-level comparison of rural and urban population of India

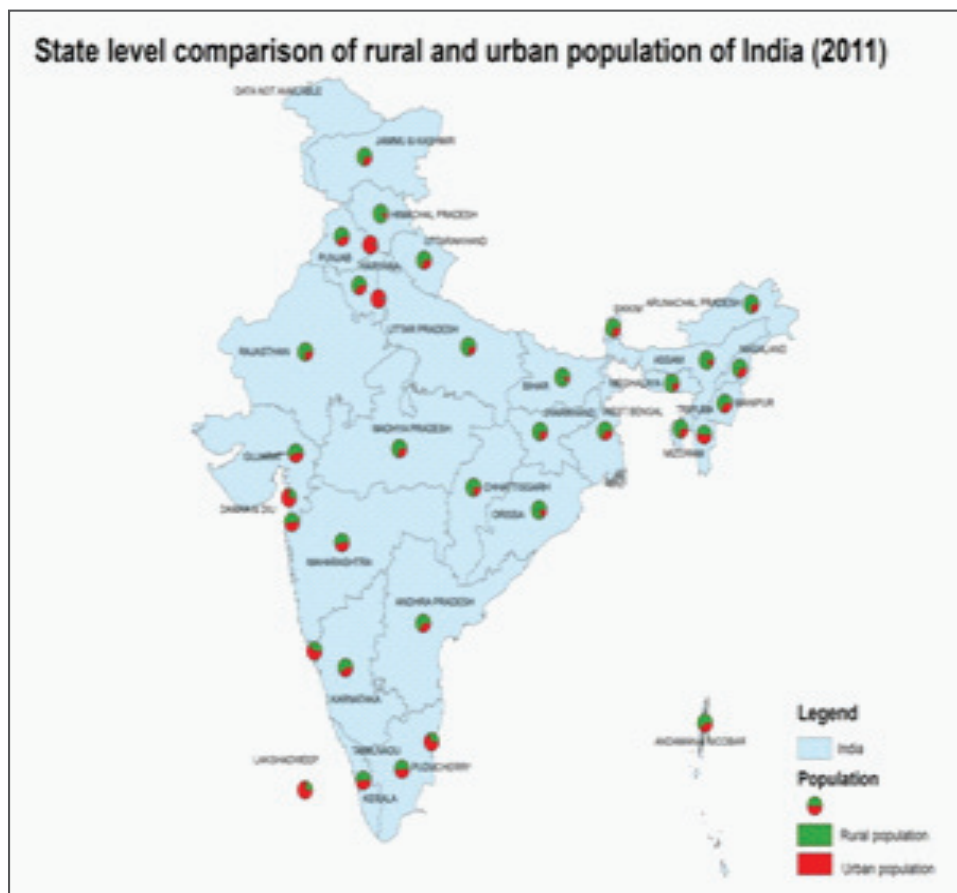
The map shows state level comparison of rural and urban population of India for 2011...

State-wise estimated potential of renewable energy in India (2012)

For economic as well as environmental reasons, India needs to shift to non-polluting renewable sources of energy to meet future demand for electricity...

Methane emission from Indian rice ecosystems

India, on an average, cultivates rice on 43 million ha of land. The annual amount of CH₄ emitted from a given area of rice is a function of the crop duration, water regimes, and organic soil amendments...



Knowledge Café

This section includes interviews and deliberations of eminent personalities sharing their views on sustainable development issues.



Dr Ugyen Tshewang

Secretary, National Environment Commission Secretariat, Royal Government of Bhutan

Challenges on climate change and sustainability issues

Dr Ugyen Tshewang is the Technical Head of the Delegation to COP Meetings of UNFCCC and Chair of Multi-Sectoral Technical Task Force on Climate Change. In this interview, Dr Tshewang gave his views on climate change and sustainability... [More](#)



Prof. Michael Porter

Research Professor of Public Policy, Centre for Regional and Rural Futures, Deakin University Australia

Water crisis is a crisis of governance

Prof. Michael Porter focuses on bridging the gaps between advances in economic thinking and government implementation of economic policy and institutional reforms, both in Australia and internationally... [More](#)



Mr Kofi Annan

Chairman, Kofi Annan Foundation and Former Secretary-General, United Nations

Need for coherent global policies that keep sustainability at the heart of the development framework

Delivering the keynote address at Delhi Sustainable Development Summit 2014, Mr Kofi Annan emphasized the need for coherent global policies that keep sustainability at the heart of the development framework... [More](#)

Resources

Success stories promote community partnerships and civil society participation in planning and implementation of sustainability issues.

The Apple Project

The Apple Project creates a profitable partnership between investors and farmer groups, by setting up joint agro-processing enterprises, based on solid feasibility studies and business plans. The Project has been implemented in 108 villages of Uttarakhand and Himachal Pradesh through six collection centers, using web and mobile technologies.

[Read more](#)



Innovation in sustainable and clean technology sector is the key to future success for promotion of resource efficient systems and green economy.

Nanonutrients for environment remediation and agriculture productivity

Nualgi Nanobiotech has developed, patented and commercially launched nano nutrients and are exporting to 15 countries including the USA. 'Nualgi Lakes' is useful to clean up polluted water bodies and "Nualgi foliar spray" is useful to boost agricultural production at low costs.

[Read more](#)



Biomass gasifier technology for thermal application in food processing unit

The biomass gasifier is a clean energy technology that utilizes biomass for the purpose of power and thermal generation. With the rising diesel and petrol prices, biomass as an alternate fuel has attracted significant attention in the micro, small, and medium enterprises (MSMEs) sector.

[Read more](#)

Key Features

- ▶ Efficient resource management
- ▶ Successful business model
- ▶ Timely identification of opportunities
- ▶ Financial model
- ▶ Collaboration with suitable organizations

Information Bank and News provides access to information resources such as government documents, reports, policy briefs, policy papers, and recent developments.



Theme>> Energy

Prospects of biodiesel from Pongamia in India

Pongamia is a forest-based tree containing non-edible oil and has a large production potential of biodiesel which can grow on any type of soil, needs minimum input and management, has low moisture demand, productive life is more than 40 years and seeds have 28–34 per cent oil content... [More](#)

[Energy outlook for Asia and the Pacific](#)

[Energy statistics](#)

[A study of efficiency measurement of power generating states of India through DEA](#)

[Contribution of renewable power towards eliminating shortages and meeting economic growth aspirations](#)

Theme>> Climate change

Life Beyond Emissions Trading

An emission trading has awarded huge subsidies to some of the EU's most polluting industries while at the same time failing to reduce greenhouse gas emissions and undermining other environmental measures. As the EU debates a 2030 climate and energy package, it should seek ambitious targets for greenhouse gases, renewable energy, and energy efficiency — but targets are not enough...[More](#)

[Economics of reducing greenhouse gas emissions in South Asia: Options and costs](#)

[An operational framework for tracking adaptation and measuring development](#)

[Financing low-carbon urban development in South Asia: A post-2012 context](#)

[Urban climate resilience](#)

[More on other themes](#)

[LOGIN](#) [JOIN US](#)

[Home](#)
[ABOUT KxSD](#)
[THEMES](#)
[PUBLICATIONS](#)
[POLICY INSTRUMENTS](#)
[KNOWLEDGE CAFÉ](#)
[RESOURCES](#)
[CONTACT](#)

Natural resources - the very foundation of human survival, progress and prosperity - need to be developed in a sustainable manner.

- Energy
- Climate change
- Natural resources**
- Waste management
- Poverty & livelihoods
- Sustainable infrastructure
- Health

POLICY INSTRUMENTS

- Renewable Energy
- Energy Efficiency
- Water
- Forests

[View all](#)

KNOWLEDGE CAFÉ

Lord John Prescott
Former Deputy Prime Minister & Member of ...
[Speech](#)

Mr Zubin Irani
Senior Managing Director - Commercial Companies, ...
[Speech](#)

Mr Michael Christiansen
Chairman of the Board, Danish Cultural Institute ...
[Speech](#)

Mr Donald Kaberuka
President, African Development Bank
[Speech](#)

[View all](#)

RESOURCE UPDATES

Kumaon Vani
[Read more >](#)

SUCCESS STORIES

Nitrifying bioreactor technology
[Read more >](#)

INNOVATIONS

Draft Notification on Eco-Sensitive Zone
[Read more >](#)

INFORMATION BANK

Warming worsens hunger problems: UN
[Read more >](#)
2014-4-1

NEWS

[View all](#)

JOIN US

User Name:
Password:
Remember Me: ☐
[Forgot your password?](#) [Login](#)

If you don't have account please [register](#).

RECENT MEMBERS

STATISTICAL DATA

SHARE YOUR KNOWLEDGE

We invite your contributions in the form of innovations, success stories, papers, statistics, recent developments and/or comments on policy instruments related to sustainable development.

[Contribute >>](#)

Contact Details



The Energy and Resources Institute

N Deepa
Fellow, Knowledge Management Division
TERI
Darbari Seth Block, Habitat Place, Lodi Road,
New Delhi – 110 003, India
E-mail: ndeepa@teri.res.in

Supported By

