

Mumbai Set To Become a Sustainable City in 3 Years

Devendra Fadnavis, the young Chief Minister of Maharashtra, seems to be on a mission mode to transform cities of Maharashtra into sustainable cities. Development plans of all major cities have been sanctioned with the big one – on Mumbai – set to come for approval shortly. Edited excerpts of his speech at the ET Lands Summit in Mumbai recently



Managing urbanization is the biggest challenge for governments today. We have been in a denial mode for a long time believing that India lives in its villages. In fact, 65% of our GDP comes from our cities.

Indian cities are unsustainable urbanization. No Indian city has proper waste management today. We have miserably failed to make our cities sustainable.

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Books, Events, Courses



Confederation of Indian Industry
Knowledge Partner



Purpose: To excite Indian businesses, SMEs, executives and students about the immense business opportunity in not only adopting Sustainability as Strategy in their companies but also inspire them to the possibilities of a big market for innovative sustainability products and services.

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Not a drop of sewage in Mumbai is treated today before it goes to the sea. In the next 3 to 4 years we will treat every single drop of sewage in Mumbai.

Big push to public transport

No city has found solution using private transport. It's only the public transport that makes the city sustainable. Mumbai suburban railway transports 7 million people a day today. But it is not enough.

In the past two years, we have planned 200 kms of metro work, started work on 120 km and all 200 kms will be ready for use by 2022. This can carry 9 million passengers.

An SPV (special project vehicle) has been floated for an elevated sub-urban corridor project. This will transport 4 million passengers more.

We are integrating all modes of transport. Creating digital platform where a person will be able to find all the direction through an app. We will also be bringing it on a single ticket.

I have cleared development plans for most of the cities in Maharashtra. It used to take 10 to 15 years before, now we have cleared all of them in two years. **The Mumbai development plan is expected to be presented soon and that too will be cleared without any delay.**

Nagpur will be the first city in the country to treat all its sewage and sell the water to power plants by next year. Now it is treating 60% of its sewage.

My government is totally committed to sustainability.



Wadala Tower is the tallest mix-use tower in the world, designed by renowned architect James Law

Real Estate Scenario

- India is becoming a more transparent market since the last two years. India's ranking is today 36, we were 48 three years ago.
- India's developers are over leveraged. Interest on profit before tax (PBT) used to be 30% seven years ago. Today it is 150%. Indian developers need to fix their financing issues.
- Private equity is only 20%. In that 90% is going to office. The largest owner of office space in India is Blackstone. 50% of all space is leased by American companies. Indian companies account for 30%.
- PPP are essentially negotiated contracts. It's in the interest of the concessionaire to reduce capital and operating cost. Usually PPP is a compromise that satisfies no one. One should be sure that you are getting what you paid for and that there is real value.

Bring the Community In

Leslie Pollock, Principal Urban Planner, LAI Global Chapter Chair, says only active engagement with local community and local economy can urban projects of the future succeed. He believes process is as important as policy. Edited excerpts



Democratization of urban planning is important. It should not be top down. The planning process should be built around consensus of people in the community which will face the impact. We have to think of local economics, not just the city economics. This is the new paradigm. We need to bring the community in. A strong vision that connects decentralized bodies. **Consensus must be bottom up, not top down.**

Sustainability – it's more than the environment. We need sustainable housing market, sustainable transportation market. Market has to be a jobs machine that feeds the economy. It works best, when smaller nodes are developed rather than uniform mass.

Today everything is connected to everything else. Bring jobs and housing closer rather than further. For that we need clear policies. We need clear public-private partnerships to carry the policy. If transport chases land use decisions, it misses the point. It should be the other way around. We need to combine multiple modes. A close relationship between transit and land use planning is a must.

Process is as important as policy. Strong leadership and advocacy bottom up will help remove most of the barriers for projects.



The land of Prayag or Allahabad where Ganga, Yamuna and Saraswati meet

Ganga & Yamuna Get Legal Rights Like a Person

In a landmark judgment in March 2017, the Uttarakhand High Court declared the Ganga and Yamuna rivers as living entities, bestowing on them same legal rights as a person. The judges were inspired by another, but first of its kind week old judgment in New Zealand which ruled that the Whanganui River be granted living entity status.

The HC order will allow complaints to be filed in the name of the two rivers. It also gives the Centre eight weeks to set up boards for cleaning and maintaining the rivers. "It means now Ganga and Yamuna rivers will be treated like a natural person but only through a designated person, an advocate told Hindustan Times newspaper.

A bench of Justice Rajeev Sharma and Justice Alok Singh allowed the director general of Namami Gange project, Uttarakhand chief secretary and advocate general the right to represent the Ganga. The two-year old Namami Gange project has been criticized for not making much progress despite enormous funds at its disposal. With BJP government in Uttar Pradesh, the cleaning and conservation project is likely to take off briskly.

The world's third largest river, the Ganga is the holiest Hindu river and also among the dirtiest in the world, with toxic industrial waste and untreated sewage reducing it to a dirty trickle at several places. Yamuna is no better.

Reverentially referred to as Maa Ganga (Mother Ganga) for the water it provides to millions and fertile plains it feeds, the 2,500km river originates from Gangotri in Uttarakhand and criss-crosses several states before emptying into the Bay of Bengal.

Even Tributaries Included

The order includes all their tributaries, streams, every natural water flowing with flow continuously or intermittently of these rivers, are declared as juristic/legal persons/living entities having the status of a legal person with all corresponding rights, duties and liabilities of a living person in order to preserve and conserve river Ganga and Yamuna.

The justices referred to Articles 48A and 51A (g) of the Indian Constitution which refers to the duty of the state to protect and improve the environment and take care of wildlife, while the second is part of the fundamental duties of an Indian citizen to do the same in their capacity. Article 48A has often been cited by Indian courts in passing judgments in favor of environmental protection.

Can It Be Extended to All Rivers and Lakes

Also, could the logic of this order be extended to all rivers, and beyond that, to all of Nature? At least, it has set a precedent. Movements such as those against dams in Sikkim and against mining in the Niyamgiri hills of Odisha, have cited the sacredness of the landscape. In the latter case the Supreme Court even asked the government to seek consent for mining from the Dongria Kondh adivasi gram sabhas, recognizing their cultural rights. And then again can't all ecosystems be similarly extended protection?

For more details

<https://scroll.in/article/833069/a-court-naming-ganga-and-yamuna-as-legal-entities-could-invite-a-river-of-problems>
<http://www.thehindu.com/sci-tech/energy-and-environment/can-the-ganga-have-human-rights/article17750148.ece>

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Sheth's Mantra to Address American Middle Class Revolt

A big number of white middle class Americans and the Europeans have slipped to be known today as the 'New Poor'. If their revolt is not handled well an unprecedented chaos is imminent. Here's acclaimed management guru Prof. Jagdish Sheth's formula to aggressively manage the transition



A majority of the middle class in the US and Europe, especially Britain, today need a wide-ranging policy intervention. Automation, obsolescence of many sectors and competition from developing countries have left the once well-to-do white middle class vulnerable. They voted for Donald Trump and for Brexit with the hope that they could stem their economic downslide. Four months into office, Trump still seems to be searching for workable models to appease this new demographic segment. Here's some help from Dr. Sheth:

- a. Tax structure has to change to avoid a major revolt. Lower income tax and lower sales tax could help. A transparent flat rate is even better
- b. Support innovations in affordable healthcare plans especially that use expensive medical devices. Delivery of health services have to get better and cheaper
- c. Micro financing schemes to help those who want to start small businesses. The logic is that not many want to go back to corporate jobs. Self Inc is the new trend - estimated to be 5 million by 2020 in the US
- d. Make online higher education more accessible and affordable – like MOOCs (massive open online course) and Coursera online education for those who want to move up from high school education to acquiring college education
- e. Big investment in retraining especially in healthcare
- f. Support social entrepreneurship ventures with soft loans and access to expertise
- g. Encourage companies' CSR foundations to invest in strategic CSR – on enhancing functional literacy and also to set up business incubators
- h. Encourage corporate offices to move out of big cities to small cities – for better connect with community

"The middle class revolt is real. The sooner everyone wakes up to address this the better it is for everyone."

https://www.youtube.com/watch?v=9rkUSK_lvAg&feature=youtu.be

Big Bang Solution For Water Crisis?

Water Imploder Increases Crop Yield by up to 40%

In a recent video Sadhguru Jaggi Vasudev said he was planning to introduce the water imploding machines to Tamil Nadu to improve crop yield. He said he was talking to the machine maker in the UK.

Research showed that this technology has been around since 2010 and is increasingly being used in

more than 20 countries. A recent study in Australia showed 35-40% increase in yield in some crops.

Water Imploder now appears common and with its affordable price tag, the question is why it hasn't caught on in India, especially in the drought prone areas.

The listed cost of Water Imploder Commercial Reorganization Machine is \$1499 while that of Water Imploder Under Sink Reorganization

Machine is \$349. For home use, there are many do-it-yourself models.

The Water Imploder has domestic uses too. Water can be used in gardens and also consumed. (someone said it tastes like spring water).

How It Works

Today, according to www.theimploder.com, water is forced through pipes for at least several hundred feet (often tens of thousands of feet), stagnates in storage and detention tanks, or percolates slowly through uncharged aquifers. The forces generated by these processes cause water molecules to conglomerate and become macro clustered (image). Macro clusters are often larger than 20 molecules in size and in a very low energy state. These large clusters of molecules are very inefficient at penetrating the cell walls of living organisms and pass on little energetic charge. This is the reason that most water only hydrates the body and plants at ~15% efficiency.

Energized, organized water is capable of hydrating living cells at 85% efficiency. The implications of this fact are immense. Imagine organisms requiring less water, becoming fully hydrated, operating in a high energetic state, and at maximum efficiency. This is the reality created by the optimized physical forces at work inside of the Water Imploder. **There is no electricity, no filter media to replace, and it requires no power or maintenance, ever. The effect it creates is immediate, palpable, and undeniable.**



Super Imploder

Dan Winter says he's the inventor of the Super Imploder (www.theimploder.com) but has not filed for any patent. He told SN through email "I am the inventor and owner (although not patented the property registration rights- for injection molding etc- are all registered to me." This technology has been improving each year but first came into being three-four years ago.

The Superimploder makers claim that it is "the world's most powerful and most proven magnetic and vortex water treatment for agriculture and for growth.

Its solubility hydration effect has the following benefits - in agriculture growth benefits often range between 15 and 40% and more. And with certain crops - including hydroponics, hemp, and sprouting the growth increase is often even greater. Significantly less water is needed with 'wetter water' - 30% saving in amount of water needed for irrigation."

Uses of Water Imploder

- Lowers surface tension allowing up to 400% increase in absorbability by the body and plants.
- Increases plant yields up to 40% while using significantly less water.
- Enhances vitamin, mineral, & nutrient absorption.
- Sorts toxins shifting them to a state where they are less readily absorbed.
- Aerates water increasing free oxygen and inactivating many harmful bacteria.
- Uses a mechanical process requiring no power or maintenance



Fractal Water Super Imploder installed in an NFT Greenhouse.
Source: <https://www.fractalwater.com/information/installation/>

e-Kaushal – India's First Marketplace for Skilling

Skilling and re-skilling India has become a stupendous task. The central and state governments appear serious about the effort. The primary reason for the huge need for skilling Indian youth is the education system that focuses on rote learning rather than learning by doing.

The availability of massive funding has given rise to a few professional service providers but has also led to the rise of many dubious players. Also, there's a massive gap between what the youth need and what is on offer. Worse, youth are not sure where to go to skill themselves appropriately.

The founders of the Bengaluru-based start-up Trans Neuron Technologies saw this gap and have launched a first of its kind platform on the cloud that addresses most of the skilling needs of the youth and also helps service providers deliver better. It focuses on the blue collar segment of skilling.



Dharmendra Saxena, Founder CTO of Trans neuron Technologies spoke to **Benedict Paramanand** on the sidelines of a conclave on 'Social Entrepreneurs and Enterprises (SEE) recently in Bengaluru. Edited excerpts:

What is it about?

This technology platform is a step towards solving some of the major pain points of skill development in India through a robust technology and analytic framework. It helps the youth in connecting with the right training and job opportunities.

How unique is it?

This is the only platform for offering end-to-end skill training on the cloud. It does not even need the internet. It's a market place for skills.

It has a robust rating mechanism that ensures transparency and accountability from all players. For training we have a 360 degree rating system – rated by both the users and the organizations. It also rates the youths' aptitude and directs them to areas they could be more comfortable.

Traction so far

It's just over a year since the launch of the platform. The Andhra Pradesh has become the first state to put its entire skilling mechanism into this platform.

Several states and the central government have shown interest. Our aim is to have at least one crore youth to be on our platform.

We have 1.5 lakh users in less than a year. In 5 years we expect to become the largest skilling platform in the world.



We don't charge the youth. The organizations that use our services pay us.

We expect to become the default system for skilling in India.

What technology does it use?

The platform has an artificial intelligence (AI) Counselor and

it is a bot. It helps youth to choose areas of training and even directs the youth to relevant training organizations.

The NSDC (National Skill Development Council) yardsticks and framework have been implemented in this platform. It involves both horizontal and vertical skilling.

We developed the technology ourselves.

How do you marry technology and service expertise?

You have to marry both. Here technology is an enabler to the business.

For example, if you are an engineer and don't know much English, the platform identifies the weakness and suggests ways of addressing the need.

Partners

We work with several partners. Some of the big names are Teamlease, IBM and Microsoft.

What about white collar skill needs?

For that we have iTrack. Here we have vendor courses as well.

Here too, employability gap is what we are trying to bridge.

iTrack uses advance technology – that is, it brings online courses on several subjects like programming which can be learnt using one's mobile phone.

Both eKaushal and iTrack run independently but there is synergy. We are thinking of integrating the MIS of both.

Learnings in one year of operation

We have learnt the work flow – hurdles, frauds in training. We have put transparency system and can track all users to providers. You can also see where the person has gone after training.

Employees Can Drive Sustainability Better Than Consumers

The popular belief is that the consumers are the primary drivers of sustainability today, that they are forcing businesses to shift their processes that is more eco-friendly. However, according to **Gifford Pinchot**, leading authority on intrapreneurship and sustainability, it is the employees who are and who will drive sustainability better in organizations. This is because employees know what happens in organizations better than consumers.

Gifford was in India recently to address a conclave on 'Intrapreneurship' organized by Unfold Consulting in Bengaluru recently.

Excerpts of his chat with **Benedict Paramanand**:

Our civilization faces a crisis that is sufficiently serious. It requires every sector to be involved in addressing them. Business has the combination of creativity, the resources and the position in the economic system to change many things. If you think about how we can become a sustainable nation – it can only happen only if there's tremendous innovation.

Which is why intrapreneurship plays an important role: Employees today are saying – I want to express my values. People tend to have broader set of values rather than just focus on money.

This is causing the more talented individuals inside organization to direct their energies towards things like sustainability. This is particularly true of the younger generation. They are choosing projects to become entrepreneurial – to make the world a better place. From the business perspective, organizations have to pay attention or else they will lose their best talent.

The relationship between what people care about and what drives business are coming into sharper focus. You cannot fool employees easily. You have to be authentic especially when it comes to sustainability to keep the best talent these days.

I used to run a software company and we thought we are doing the right thing. We had dogs in the office, had benefits for LGBT community etc. We had a manager who was a recognized genius in internet security business. He was 26 years old and was offered 250,000 dollars package by Microsoft but he decided to stay on and work with us. He said he liked who we are and what we did and he liked to work here and was not sure if Microsoft would fit his values.

Being honestly devoted to the welfare of the people in the company and country makes



people to bond and stay. This is a strategic and existential problem that companies should focus on doing the right thing.

You want people who bring their whole selves to work. You want people who bring their integrity to work.

If you tell people run more efficiently so that shareholders can become rich, not many would be inspired by that. But if you tell them run the company so efficiently that you can save the planet, it's quite likely that people will come to work straight from their bed.

There's a recent interesting story in Intel that happened three years ago in the US. Employees heard they could be sacked. They got together and said if we cut costs, we don't have to cut jobs. They went on to save 121 million dollars in order to keep everyone employed.

Organizations have to create pathways for employees to bring ideas to workplace. Better ways is not top down, but bottom up by empowering middle managers.

Trump Threat

It appears the Trump administration is going to do enormous damage. The only good news is that his positions are so extreme that people may react adversely and we could actually make progress. Companies that are making long-term investment will not worry much.

The problem is the human race faces requires more radical changes today. The Paris accord has taken us only 7.5 percent of the way.

Our hope is technology, rise of civil society and geo-engineering like shielding the sun.

Gifford Pinchot is sustainable business school founder, entrepreneur, author-speaker-consultant on intrapreneuring, sustainable innovation and organizational intelligence. He has founded and sold three businesses, one each in manufacturing, software and consulting.

Author of **Intrapreneuring: Why You Don't Have to Leave the Corporation to Become an Entrepreneur**

<http://www.pinchot.com/2010/01/who-is-gifford-pinchot.html>



C&A First to Launch Cradle-to-Cradle Certified Apparel

C&A, one of Europe's leading fashion retailers, announced that they will be the first worldwide retailer to launch Cradle to Cradle Certified™ GOLD apparel as part of their 2017 summer collection. Developed in partnership with Fashion for Good, and with the guidance of MBDC, these affordable, compostable and fashionable garments served as the case study for the open-source *Cradle to Cradle Certified™ 'How-To' Guide*.

Launched recently, the online guide has practical tips, a self-diagnostic tool to show suppliers and manufacturers how to improve their products and production facilities and a step-by-step guide on how to produce Cradle to Cradle Certified™ products



Leslie Johnston, Executive Director of C&A Foundation said: "C&A Foundation is here to transform the fashion industry. As our largest partner to date, Fashion for Good will both inspire new ways of thinking and provide practical tools for a better global apparel industry. **Open and inclusive, Fashion for Good will help the industry to bring innovations and new business models to scale.**"

Fashion for Good is a worldwide laboratory of innovation and practical action based in Amsterdam. It was created with an initial grant from founding partner C&A Foundation. The credit for this goes to Cradle to Cradle Products Innovation Institute, the Ellen MacArthur Foundation, IDH – The Sustainable Trade Initiative, Impact Hub Amsterdam, McDonough Innovation, The Sustainable Apparel Coalition (SAC).

How Future Production Ready Is India?

The nature of production is undergoing unprecedented change as new technologies transform cost structures, make new business models and methods of production available, and bring entirely new products and services to market. Building on its competence in global benchmarking, notably in competitiveness, human capital, trade facilitation and digital readiness, the **World Economic Forum in collaboration with A.T. Kearney have developed a proposal for a new benchmarking framework to help countries assess the extent to which they are "ready" or well positioned to shape and benefit from the changing nature of production. It aims to bring new perspectives and generate responsive and responsible choices.**

This tool is designed to help decision-makers identify priorities for national policy development and public-private cooperation, and to track progress and monitor results by means of a proposed methodology. The framework will be finalized and a cross-country database established in the course of 2017, with a first version to be presented at the Forum's Annual Meeting of the New Champions in June 2017.

Apple Retains # 1 CITI Index

Highlights

#1 ranking for third year in a row by Corporate Information Transparency Index (CITI)

200K+ metric tons of waste diverted from landfills in 2016

2.1M+ Supplier Employee Education and Development (SEED) students since inception (2008)

\$2.6M reimbursed to over 1,000 people for overcharged recruitment fees in 2016, amounting to \$28.4M to over 34,000 people since 2008

100% third-party audit participation for tin, tantalum, tungsten, gold, and cobalt smelter/refiner partners

2.4M+ workers trained on their rights in 2016, 11.7M+ workers trained on their rights since 2008

98% compliance with 60-hour workweek standard

What it means in real terms

Saved more than 3.8 billion gallons of fresh water since 2013 - enough **to provide every person on the planet with 18 glasses of water**

Tripled the number of supplier sites in the Energy Efficiency program, resulting in the reduction of over 150,000 metric tons of carbon emissions — the **equivalent of taking 31,000 cars off the road for a year.**

Achieved 100% zero waste to landfill validation for all final assembly sites in China.

4 Gigawatts of Renewable Energy

Apple is advancing renewable energy usage by working with suppliers to create 4 gigawatts of renewable energy around the world by 2020 that will help power their facilities. In 2016, it tripled the number of supplier sites participating in its energy efficiency program, resulting in the reduction of more than 150,000 metric tons of carbon emissions.

A number of large suppliers have already committed to power all Apple manufacturing with renewable energy by the end of 2018. These commitments will reduce carbon emissions by 7,000,000 metric tons per year, **the equivalent of removing 1,500,000 cars from the road for a year.**

More than 99% of the paper used in packaging comes from either recycled wood fiber or sustainably managed forests and controlled wood sources.

Source - <http://www.apple.com/supplier-responsibility/>



10 Auto Makers to Drive Sustainability

BMW Group, Daimler AG, Honda, Jaguar Land Rover, Opel/ Vauxhall, Scania CV AB, Toyota Motor Europe, Volkswagen Group, Volvo Cars and Volvo Group joined forces to launch '**DRIVE Sustainability - The Automotive Partnership**'.

The Partnership, facilitated by CSR Europe, aims to drive sustainability throughout the **automotive supply chain** by promoting a common approach within the industry and by **integrating sustainability** in the overall **procurement process**.



They promise workers **decent working conditions** and are treated with dignity and respect, while **minimising the environmental impact** of their industry and promoting **business integrity**.

The Partnership builds upon and takes on the previous work carried out by 'The European Automotive Working Group on Supply Chain Sustainability', with the ambition to evolve from a group of companies working together to a **leadership industry initiative**, pushing for innovative and impactful approaches to enhance supply chain sustainability.

- The **Lead Partners** of the initiative are BMW Group, Scania CV AB, Volkswagen Group, Volvo Cars and Volvo Group.
- The **Partners** of the initiative are Daimler AG, Honda, Jaguar Land Rover, Opel/ Vauxhall, Toyota Motor Europe.

Stefan Crets, Executive Director of CSR Europe and facilitator of DRIVE Sustainability, said: *"As a next step, in 2017 we will fine-tune our strategy and continue our activities, which include organising supplier trainings in Turkey, India, Spain, Hungary, Italy and others."*

CSR Europe is the leading European business network for Corporate Social Responsibility. Through its network of around 45 corporate members and 41 National CSR organizations, it gathers over 10,000 companies, and acts as a platform for those businesses looking to enhance sustainable growth and positively contribute to society. In its mission to bring the CSR agenda forward, CSR Europe goes beyond European borders and cooperates with CSR organizations in other regions across the world.

TN Takes Lead in Reviving Millet



The Government of Tamil Nadu has taken a leading role in launching a comprehensive scheme of over ₹800 crore, benefitting at least 12 lakh farmers engaged in dry land agriculture and targeting coverage of around 18 lakh hectares, has been launched in 25 districts. The new initiative attaches importance to the optimization of nutrient profile, reproductive health and udder health of cattle owned by the farmers.

The Tamil Nadu Technology Development & Promotion Centre of CII is organizing the Millet Summit on 21st April 2017 at Hotel Taj Coramandel, Chennai.

Millet Summit would focus on theme of reviving millet cultivation, processing technologies and consumption in order to contribute food and nutritional security and focusing on addressing challenges, research direction, technological gaps and constraints and develop delivery mechanism for improvements in farm productivity are matched by post-harvest and preservation technologies.

Millets comprise a group of cereal species that are genetically diverse and adapted to a range of marginal growing conditions. Millets require few inputs and withstand severe biotic and abiotic stresses. They are also more nutritious than major cereals. Despite these advantages, neglect in several arenas has resulted in a steady decline in the cultivation of millets in India over the past few decades.

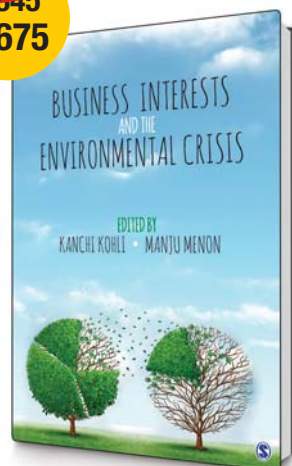
The conference aims to cover the key areas in the following sessions:

- The Future of Health and Wellness in Food Retailing
- Millet Value Chain
- Millet Processing Technologies
- Millets-Value Added Products

Around 200 senior management personnel representing Industry leaders & senior executives of leading manufacturers of food products, traditional food companies, seed companies, millet processing equipment manufacturers, consultants, bankers and investors, tech and communication experts, exporters; progressive farmers; retail chains and government agencies are expected to attend this conference.

Save environment, save earth, save tomorrow
with these must-have resources

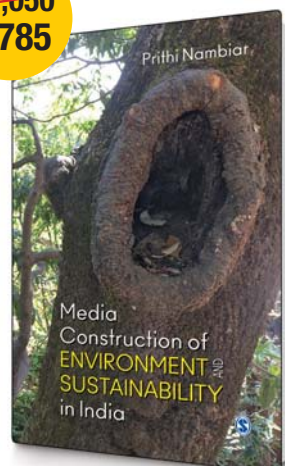
₹845
₹675



This book highlights the manner in which key aspects in policy discourse—commodity, pricing, ownership, and regulation—have borrowed economic and trade principles to address the environmental crisis and to what effect. It addresses a fundamental issue in environment: if nature is no longer available as a limitless resource, how has the policy discourse on the environmental crisis come to view it, value it, and live with it?

2016 • 284 pages
HB 978-93-515-0860-1

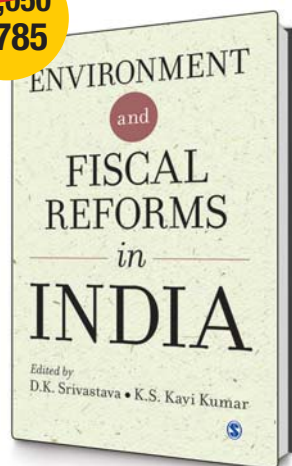
₹1,050
₹785



The book presents a theoretical framework against which the role of media and communication in enabling this meaning negotiation is explored and illustrated through textual analysis and examination of interview data. The uniquely theoretical and practical perspective on the discursive construction of these concepts will be of immense value for policy makers, development and media practitioners, scholars, and students of media and communication.

2014 • 312 pages
HB 978-81-321-1741-4

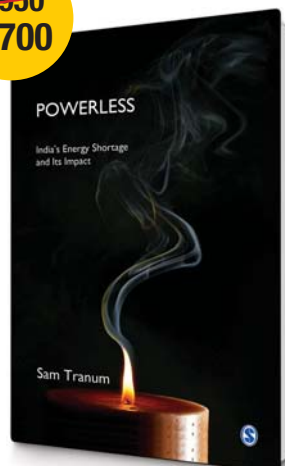
₹1,050
₹785



The current structure of taxation in India, the book underlines, is characterized by inadequacies such as cascading, multiple tax rates and inter-state sales tax, fragmenting the all-India market. The book argues in favour of integrating environmental considerations in the GST regime. It emphasizes the importance of eco-taxes on polluting inputs and outputs.

2014 • 364 pages
HB 978-93-515-0041-4

₹950
₹700



Explains India's energy shortage, how much coal, oil, gas, uranium, and power the country uses, and for what purposes. It discusses how the shortages and resulting imports affect the country's economy, businesses, and residents. It also looks at the environmental and health effects of India's growing energy use and how efforts to mitigate these are likely to affect demand for coal, oil, gas, and uranium.

2013 • 312 pages
HB 978-81-321-1314-0

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3rd Smart Cities India 2017 Expo

Smarter Solutions for a Better Tomorrow

Exhibition Statistics

Exhibition area: 20,000 Sqm

No. of exhibitors: 500+

Conference sessions: 50+

Speakers: 300+

Trade visitors: 20,000+

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Exhibitor Profile

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24x7 clean energy	Safety, security and surveillance
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Connected / Autonomous vehicles	Smart health
Urban mobility	Smart education
Traffic control rooms	Make in India
Smart parking	Smart aerotropolis
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State of India's Livelihoods Report 2016

An ACCESS Publication

Girija Srinivasan | Narasimhan Srinivasan



Informative, But Weak on Wish List

State of India's Livelihoods Report 2016

By Girija Srinivasan &
Narasimhan Srinivasan,
March 2017, Sage Publication

The second State of India's Livelihoods (SOIL) report is highly informative and offers rare insights. It compiles the perspectives of leading experts in various fields connected with livelihood. Excerpts from 'The Practitioner Roundtable' give a lively deep dive into each of the experts' mind. A video link to the round table would have been very useful.

According to the World Bank, 26% of the world's poor live in India. And 300,000 farmers have committed suicide between 1995 and 2015. So 'poverty' is going to remain as the mainstay of India's economic and political focus and discussion for many years to come. Efforts of the last 70 years had had only a limited impact of moving people out of poverty. Since abysmal implementation, not policies, nor resources has been blamed for the poor results, time seems to have arrived to fix this hurdle.

Thanks to recent technologies the prospects of minimizing leakage of funds for poverty alleviation has improved considerably. Better subsidy delivery directly through bank accounts to the poor, is going to be the game changer whose impact can be felt in the next two to three years.

Negative Returns on Most Crops

Economic growth between 7% and 10% in the next ten years is expected to lift most of today's poor above the poverty line. But the economy, particularly agriculture on which 60% of the population depends on, needs fundamental reforms. The fact that out of 14 major crops, 7 provide a negative net

return and three others offer a net return of less than 5% means the minimum support price (MSP) strategy has not been working.

In most states, wholesale prices of most commodities were lower than the MSP. With tons of grains in IFC godowns perishing and negative returns of farmers, the agriculture policy has all but failed. Experts say agriculture growth much higher than the ambitious 4% is needed to lift the farm sector. With climate change threats Indian agriculture is all but likely to be in disarray for a long time.

Only an aggressive policy with even more aggressive time-bound outcome executed on a mission mode can help the farm sector. The incremental and wait-and-watch policy is not going to work. It's easier for the government to maneuver the manufacturing and the services sector but reforms but it has to take the lead in reforming the farm sector and make it more productive. The risk of giving the agriculture sector a soft pedal is going to be very high.



Source: natureasia.com

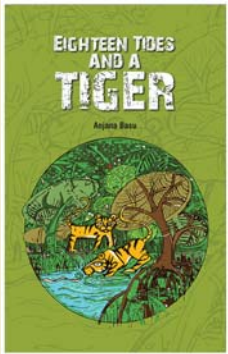
One of the paradigm shifts in how India deals with its poor is by gradually reducing subsidy and increasing access to easy and cheap credit. Prof. Muhammad Yunus says, easy and cheap credit, not subsidies has the higher chances of moving people out of poverty. On that count, India is lagging behind big time. The microcredit scenario, that looked promising five years ago, appears to have taken a few steps backwards due to policy ambiguity. Inability to deal with a few black sheep should not result in backtracking on a very important initiative.

Special chapter on North East is welcome. The seven states need investment and a good atmosphere for growth. Their highly evolved culture and social fabric will ensure that they can progress at good speed if led well.

The demographic dividend is all set to become a demographic nightmare. Even if the centre is aggressive with its plans, most states appear casual to the problem. The impending GST (general sales tax) regime is likely to eliminate several inefficiencies and result in greater opportunities in all sectors.

The SOIL report is highly informative and easier to read. An executive summary at the beginning and in the beginning of each chapter would have helped. Its wish list though is disappointing. While it starts well by saying, "the rush of new policies and schemes dares us to dream," its list looks more like begging for incremental changes. A poverty free India is unlikely even in the next 3 decades with these.

BOOKSHELF



Eighteen Tides and a Tiger

Anjana Basu, TERI Publication

The Sunderbans, a tangle of forests where, according to legend, ghost tiger roar at the dead of night making the mangroves shiver. However, the tiger Rohan finds is real and needs to be rescued. Rohan, on his first internship, is lost in the middle of this haunted land very unlike the hilly Corbett country he is familiar with. And he needs to be rescued too. Help comes in the shape of a girl who never seems to turn a hair at tigers or marshes! And as always, there is a mystic presence close at hand.

Rohan heard a murmur of, “Mama!” and one or two of the sailors started rocking back and forth themselves in a kind of prayer. He looked wordlessly at the sailor next to him, whose fingers were tight around his clay pot of tea. “Bagh,” the sailor whispered. “Tiger!” The top deck continued to rock in a steady kind of motion as if something might be pacing up and down on it.

There was another tiger. It appeared like a streak of fire out of the scrub trees springing past Rohan’s shoulder, so close that he felt the heat of the big body and its scent filled his nostrils. It had missed him because he had been bending...

Uniting pace, a symbol of courage and along with that a character from a fairy tale to link old and new, So that a bridge is formed between the heroic, romantic traditions of the past and today’s modern world.

Rituparno Ghosh, film maker



Headwinds of Opportunity, A Compass for Sustainable Innovation

By Tim Lindsey, Greenleaf Publishing, May 2017

“Headwinds of Opportunity” goes beyond philosophical and academic discussion of business sustainability to offer strategic guidance regarding how-to make all types of organizations function more sustainably while simultaneously improving their competitiveness. It differs from other references in that it approaches sustainability as an innovation – an innovative way of conducting business. The book is informed by time-tested principles of innovation diffusion that can be effectively applied to drive change. It places considerable emphasis on the “how-to” aspects of sustainability improvement and how they can be used to increase effectiveness.



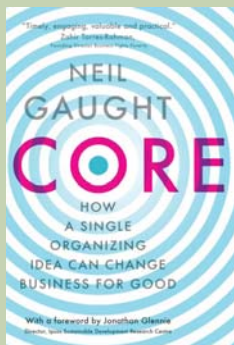
Changing the Food Game, Second Edition: Market Transformation Strategies for Sustainable Agriculture

By Lucas Simons, Greenleaf Publishing, August 2017

By 2050, the world's population is estimated to grow to 10 billion. To feed everyone, we will have to double our food production, to produce more food in the next 40 years than in the whole of the last 6,000. This updated edition of *Changing the Food Game* shows how our unsustainable food production system cannot support this growth. In this fully revised version, Lucas Simons argues that the biggest challenge for our generation can only be solved by effective market transformation to achieve sustainable agriculture and food production.

Lucas Simons explains clearly how we have created a production and trading system that is inherently unsustainable. But he also demonstrates that we have reason to be hopeful – from a sustainability race in the cocoa industry to examples of market transformation taking place in palm oil, timber and sugarcane production. He also poses the question: where next?

Provocative and eye-opening, *Changing the Food Game* uncovers the real story of how our food makes it on to our plates and presents a game-changing solution to revolutionize the industry.



CORE, How a Single Organizing Idea can Change Business for Good

By Neil Gaught, Greenleaf Publishing, July 2017

At the core of the world's most admired businesses lies a powerful Single Organizing Idea. These organizations deliver sustainable economic and social benefit; they unite people, attract investment, inspire innovation, pioneer new efficiencies, and enjoy positive reputation. Such businesses are admired but they remain a rare breed.

Though the tides of change are engaging the minds of business leaders, most are still trapped behind their brands and an approach to corporate social responsibility that is out of step with a connected society that increasingly questions 'who' these businesses really are and what drives their purpose.

This book is about how businesses can adopt a Single Organizing Idea and, more importantly, why they have to. Drawing on stories and case studies, and with reference to the UN's Sustainable Development Goals, its no-nonsense approach sets aside the ideals to confront the realities of business reform. It demonstrates the power and potential that a Single Organizing Idea can bring to any business prepared to take its head out of the sand and proactively respond to today's challenges.

Bookstore - <http://bookstore.teri.res.in/>

Courses - Degree/Diploma

M.A. in Ecology, Environment & Sustainable Development

Tata Institute of Social Sciences

<http://campus.tiss.edu/guwahati/programs/master-degree-programmes/ma-ecology-environment-and-sustainable-development>

M.A. in Labour Studies and Social Protection

Tata Institute of Social Sciences

<http://campus.tiss.edu/guwahati/programs/master-degree-programmes/ma-labour-studies-and-social-security>

M.A. in Social Work

Tata Institute of Social Sciences

<http://campus.tiss.edu/guwahati/programs/master-degree-programmes/ma-social-work>

MA Peace and Conflict Studies

Tata Institute of Social Sciences

<http://campus.tiss.edu/guwahati/programs/master-degree-programmes/ma-peace-conflict-studies>

Post Graduate Diploma in Environmental Pollution Control Technology

Indian Institute of Environment Management

<http://www.siesiem.edu.in/courses/pgdp.html>

Post Graduate Diploma in Sustainable Environment Management (PGDSEM)

Indian Institute of Environment Management

<http://www.siesiem.edu.in/courses/pgdp.html#post2>

LLM (LLM programme with specialisation in Environment and Natural Resources Law and Infrastructure and Business Law)

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<http://www.teriuniversity.ac.in/llm-programme>

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<http://www.teriuniversity.ac.in/masters-in-public-policy-and-sustainable-development>

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<http://www.teriuniversity.ac.in/masters-in-sustainable-development-practice>

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<http://www.teriuniversity.ac.in/msc-climate-science-and-policy>

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<http://www.teriuniversity.ac.in/msc-environmental-studies-and-resource-management>

M.Sc. (Water Science and Governance)

teri university

http://www.teriuniversity.ac.in/index.php?option=com_program&task=program&sno=34

M.Tech (Renewable Energy Engineering and Management)

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<http://www.teriuniversity.ac.in/mtech-renewable-energy-engineering-and-management>

M.Tech (Urban Development and Management)

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<http://www.teriuniversity.ac.in/mtech-urban-development-and-management>

M.Tech (Water Science and Governance)

teri university

http://www.teriuniversity.ac.in/index.php?option=com_program&task=program&sno=33

Advanced PG Diploma (Renewable Energy)

teri university

<http://www.teriuniversity.ac.in/apgdre>

**Send Names & Details About Courses Related With Sustainability to
ganesh.keerthi@gmail.com**

Events

Bengaluru Cybersecurity Series: Certified Ethical Hacker Training

April 24, 2017, Bangalore, India
<http://bit.ly/2ovLkKA>

Prosci Change Management Certification Program

April 25, 2017, Bangalore, India
<https://goo.gl/78TT98>

Big Data Hadoop Training

April 28, 2017, Bangalore, India
<http://netscientium.com/in/course/big-data>

Demo Night @ TechHub Bangalore!

May 02, 2017, Bangalore, India
<https://www.eventbrite.com/e/demo-night-techhub-bangalore-tickets-33300534796?aff=es2>

PMI RMP Training

May 03, 2017, Bangalore, India
<https://www.eventbrite.com/e/pmi-rmp-training-in-bangalore-india-tickets-33171493831?aff=es2>

Wi-Fi India Summit 2017

May 04, 2017, Bangalore, India
<https://www.eventbrite.com/e/wi-fi-india-summit-2017-tickets-32628779558?aff=es2>

Six Sigma Black Belt Training & Certification

May 07, 2017, Bangalore, India
<https://www.eventbrite.com/e/six-sigma-black-belt-training-certification-in-bangalore-tickets-29845786551?aff=es2>

Connecting Ideas with Money: Investor Series - Lead Angel

May 13, 2017, Bangalore, India
<http://tinyurl.com/le8ja7x>

CIID: Service Design through Experience Prototyping

May 13, 2017, Bangalore, India
education@ciid.dk

PRINCE2 Agile® Certification Training

May 13, 2017, Bangalore, India
www.skopoz.com

Kanban System Design (KMP1) in Bangalore

May 17, 2017, Bangalore, India
<https://www.eventbrite.com/e/kanban-system-design-kmp1-in-bangalore-tickets-31704313455?aff=es2>

DevOps Foundation classroom training

May 20, 2017, Bangalore, India
<https://www.eventbrite.com/e/devops-foundation-classroom-training-in-bangalore-tickets-26168569897?aff=es2>

GSF5: India Demo Days & “AI and Fin-Tech”

May 25, 2017, Bangalore, India
<https://www.eventbrite.com/e/gsf5-india-demo-days-ai-and-fin-tech-tickets-33593154028?aff=es2>

Call for Papers: Immiserizing Growth – A Conference

May 26-27, 2017, Toronto, Canada
<https://hd-ca.org/events/call-for-papers-immiserizing-growth-a-conference>

Sustainability 4.0 Awards 2017

May 26, 2017, Mumbai
<http://ww2.frost.com/event/calendar/sustainability-40-awards-2017>

Implementing SAFe® 4.0 with SPC4 Certification

May 27, 2017, Bangalore, India
anusha@visiontemenos.com

Six Sigma Green Belt Classroom Training & Certification

May 27, 2017, Bangalore, India
<https://www.eventbrite.com/e/six-sigma-green-belt-classroom-training-certification-in-bangalore-tickets-27322375962?aff=es2>

QS World Grad School Tour

27 May 2017, Bangalore, India
<http://bit.ly/2lbh8oB>

QS World MBA Tour

28 May 2017, Bangalore, India
<http://bit.ly/2lmrCT8>

AngelHack Global Hackathon Series

03 June 2017, Bangalore, India
info@angelhack.com

The STIA+Temenos Effect Gatherings

28 June 2017, Bangalore, India
<https://www.visiontemenos.com/gatherings>

Challenging Inequalities: Human Development and Social Change

6-8 September, 2017, Cape Town, South Africa
<https://hd-ca.org/>

Send Your Events Plan to - ganesh.keerthi@gmail.com