



# WORLD **SUSTAINABLE DEVELOPMENT** SUMMIT

Beyond 2015: People, Planet & Progress

## WSDS EXECUTIVE SUMMARY





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## About the World Sustainable Development Summit

The World Sustainable Development Summit (WSDS) has been conceptualised as a single platform to accelerate international coordinated action against climate change and towards sustainable development. With the participation of global policy makers, business leaders, researchers, media and members of the civil society, the WSDS facilitates the exchange of knowledge, ideas, and solutions to promote solutions for a sustainable future.

The WSDS has evolved from a fifteen year legacy of the Delhi Sustainable Development Summit (DSDS). Initiated in 2001, TERI annually hosted the DSDS with the aim of making ‘sustainable development’ a globally shared goal. The DSDS brought together a total of 46 heads of state and government, 13 Nobel laureates, ministers from over 60 countries, 1500 business leaders, 1600+ speakers, and delegates from across continents, over its 15 editions.

Following the adoption of the Sustainable Development Goals (SDGs) and the adoption of the landmark Paris Agreement to limit rise in temperature to well below 2° degrees Celsius in the year 2015, the DSDS has transitioned to the WSDS in an attempt to raise the platform, attract greater talent, expertise and devise ways, so that messages created at this platform are widely disseminated, leading to constructive action.

## WSDS 2016- Beyond 2015: People, Planet & Progress



Inaugurated by the Hon'ble President of India, Mr Pranab Mukherjee, spread over 4 days with 290 speakers, 9 plenaries and 25 thematic tracks; the WSDS witnessed a galaxy of distinguished speakers and an equally important group of participants from all over the world.



“TERI has been consistent in its endeavour to find solutions and create new knowledge on issues relating to environment, climate, resources and sustainable development. Through this World Sustainable Development Summit, TERI is seeking to provide a unique platform to experts, administrators, policy-makers and others from round the globe, determined to protect our planet, to promote international exchange of knowledge and ideas. I urge TERI to continue its efforts for many more years.

- Hon'ble President of India, Mr Pranab Mukherjee



**HE Mr Karmenu Vella,**  
Commissioner for Environment,  
Maritime Affairs and Fisheries,  
European Commission



**HE Mr Erik Solheim** Under  
Secretary General of the United  
Nations & Executive Director of  
UN Environment



**HE Mr Ibrahim Baylan,**  
Minister for Policy Coordination  
and Energy, Sweden



**HE Mr Lars Andreas Lunde,**  
Deputy Minister of Climate and  
Environment, Ministry of Climate  
and Environment, Norway



**HE Mr Slawomir  
Mazurek,** Deputy Minister of  
Environment, Poland



**Jayant Sinha,** Hon'ble Minister  
of State for Civil Aviation, India



**Pawan Chamling,** Hon'ble  
Chief Minister of Sikkim



**Piyush Goyal,** Hon'ble  
Minister of State of Power, Coal,  
New and Renewable Energy  
and Mines, India



**Prakash Javadekar,** Hon'ble  
Minister of Human Resource  
Development, India



**Suresh Prabhu,** Hon'ble  
Union Minister of Railways,  
India



**Sushri Uma Bharti,** Hon'ble  
Minister of Water Resources,  
River Development and Ganga  
Rejuvenation, India

The World Sustainable Development Summit started with the Business Day to explore methods through which businesses can invest in sustainable development while enhancing their corporate value. In this regard, the need for cooperation amongst diverse stakeholders, peer to peer learning and exchange of knowledge was emphasised, along with the need for companies to think beyond Corporate Social Responsibility and consider how to make investments more systemic to contribute to the SDGs.

The nine plenaries during WSDS focussed on niche topics relating to the overall theme of the Summit. The themes were:

1. Ministerial Session- People's Aspirations and Sustainability: New Governance Paradigm

2. NDCs: Plans, Policies & Priorities
3. Energy Transitions: Perspectives & Priorities
4. Climate ~ Energy ~ Food Nexus
5. Climate Finance
6. Habitat III Agenda - Sustainable Development Goals and Implications on Cities
7. Beyond 2015: Sustainable Infrastructure for Africa's Transformation
8. Synchronizing INDC Actions to Achieve SDGs on Water
9. Air Pollution is a Solvable Problem

Each plenary consisted of domain experts from the Government, research, corporate, and academia sectors.

# WORLD SUSTAINABLE DEVELOPMENT SUMMIT

## Beyond 2015: People, Planet & Progress

October 5-8, 2016

## Key messages

### Overall Summit Key Messages

#### Action

By stakeholders to promote low carbon, high resilience & a more sustainable future



#### Movement

Enabling transforming action by the masses



#### Choices

Promoting individual action; informed and strengthened by public policies and infrastructure investment choices



#### Alliances

Which can leverage actions and transformations



#### Change

Managing and generating technological change is at the heart of enabling a more sustainable future

## Major Messages from sessions @ WSDS 2016

- **Global action** built on **partnerships** is required to achieve sustainable economic and social progress, inclusive growth and protection of the Earth's ecosystem.
- It is time for companies to think **beyond CSR** and consider how to make investments more systemic to **contribute to SDGs**.
- It was recognized that **urban centres are key** to achieving SDGs. Indeed SDG 11 links all the other 16 SDGs
- Mahindra announced that it had decided to **impose an internal carbon price** of USD10/Ton CO2 on all its investments.
- **Sustainability** should not be a peripheral activity but should become a **mainstream movement**.

## Major Messages from sessions at WSDS 2016

- Formal seal to **cooperation between the Government of India and the European Commission on water**.
- For accelerating the actions on SDGs and climate change, it is necessary to forge **collaborations**:
  - a) Among countries
  - b) Between national government and state governments, right down to the local bodies
  - c) Among governments and businesses
  - d) With research institutions
  - e) With civic society and communities



## Sustainable Development Leadership Award

Instituted by TERI in 2005, the Sustainable Development Leadership Award felicitates global leaders engaged in encouraging global initiatives that can lead the world towards a sustainable future.

The twelfth Sustainable Development Leadership Award was presented to Mr Pawan Chamling, Chief Minister, Sikkim, in recognition of his vision and leadership in environment and sustainable development leading to the establishment of Sikkim as the first and only organic state in the country. The Award is a tribute to his pioneering efforts towards strengthening sustainable agricultural practices which have aided the transformation of the state of Sikkim into a progressive and prosperous state; ensuring for its people socio-economic upliftment and inclusive growth. His distinctive contribution as an administrator and outstanding performance have helped the state achieve the goals of Action Plan - 2003 launched under the aegis of the Sikkim Organic Mission.



## Special Addresses

Five senior dignitaries delivered special addresses during the four days of the WSDS 2016.



### SHRI JAYANT SINHA

Minister of State for  
Civil Aviation,  
Government of India

“Swachh Bharat Abhiyan is not about making India free of open defecation by creating toilets but is about bringing a radical change in the behaviour.”



### MR SURESH PRABHU

Hon'ble Union Minister of Railways

“Sustainability should not be a peripheral activity but should become a mainstream movement.”



### MR PAWAN CHAMLING

Hon'ble Chief Minister of Sikkim

“If we are able to replicate some of our green initiatives on a global scale, it will definitely make a positive impact on finding solutions to global environmental challenges.”



### SPECIAL ADDRESS

#### MR AMITABH KANT

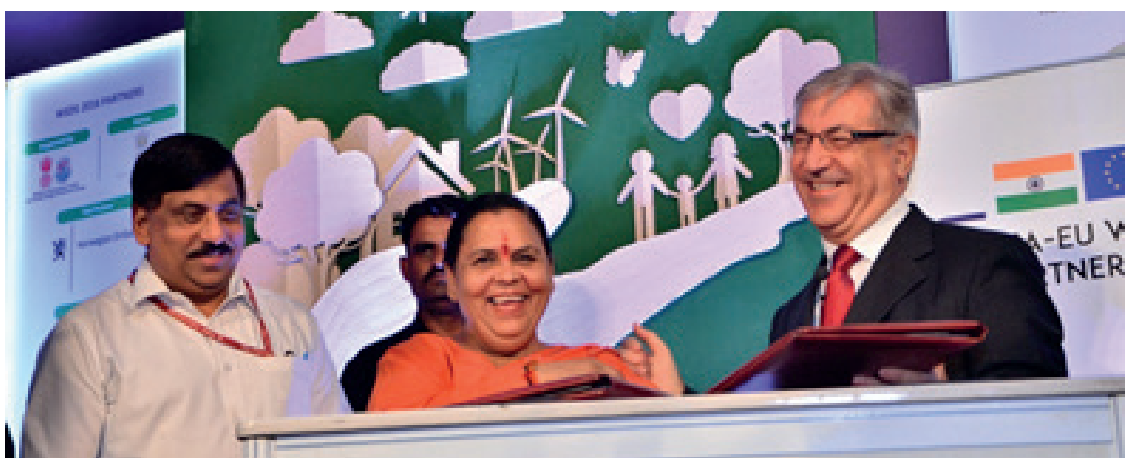
CEO, NITI Aayog, Government of India

**Chair:** Mr Jayant Banthia, Former Chief Secretary, Maharashtra

**M**r Amitabh Kant, in his special address, outlined two key challenges for India in its endeavour to implement the SDGs—urbanisation and water availability. Countries on the road to urbanisation need to ensure effective public transport system, recycling of waste, and water availability. It is equally important to create awareness about the rapid depletion of water to initiate any change in this regard. In order to address these challenges, India is committed to implementing the SDGs, creating smart cities, increasing the contribution of renewables, and strengthening public transport through the metro system, etc. He concluded by saying that the solution cannot lie only with the government, but must also involve active participation by citizens.

## MoU between India and the EU on Water Cooperation

Sushri Uma Bharti, Hon'ble Minister of Water Resources, River Development and Ganga Rejuvenation, Government of India, and HE Mr Karmenu Vella, Commissioner for Environment, Maritime Affairs and Fisheries, European Commission, signed a MoU which will allow exchange of views on regulatory approaches, procurement, governance, best practices, business solutions, and research and innovation opportunities in the field of water. The partnership organized the India–EU Water Forum to discuss and share views on water-related matters of common interest and support India in its efforts to improve water management in the country, including but not limited to the Clean Ganga initiative.



## Launch of People, Planet & Progress Beyond 2015

The annual publication under the series of Global Sustainable Development Report was launched by Mr Amitabh Kant, CEO, NITI Aayog, Government of India, at the WSDS. Titled People, Planet and Progress Beyond 2015, the book examines twelve critical issues of concern affecting the planet and people.

The book analyses how national, regional, and global visions for addressing these issues have evolved over the years; the main drivers for change; the progress achieved so far; and the constraints, challenges, and opportunities for the future.



## MoU Signing between TERI and the French Alternative Energies and Atomic Energy Commission (CEA)

The MoU is an enabler to pursue technical discussions and potential technical collaboration in the fields of energy storage; innovative energy management in the framework of smart city development in India, including a demonstration of solar electromobility, solar photovoltaic forecasting, and modelisation of large integration of renewable energy into the electric grid in India.



## Special Launches and Announcements

### Mahindra & Mahindra becomes first Indian company to announce Carbon Price at WSDS

Mahindra & Mahindra became the first Indian company to announce its internal Carbon Price of USD 10 per tonne of carbon emitted. Mahindra's carbon price is aligned with its business commitment to reduce its greenhouse gas emissions by 25% over the next three years. This will enable the company to create resources which are invested in low carbon technologies, which help reduce future emissions and lower operating costs.



## Launch of the policy brief, ‘Sustainable Urban Development: Necessity of Integrating Water-Energy-Food Dimensions in Developmental Policies’

The policy brief focusses on the challenges related to achievement of water, energy, and food security in the purview of targets for SDGs. It highlights the significance of coordinated governance of water, energy, and food in the urban context of the country and presents an approach to integrate the three areas within the developmental framework of urban landscape. The key recommendations of policy brief include development of smart solutions for food supplies and distribution to be made an integral part of urban development missions; adopting a watershed-based approach to be made mandatory for smart city bidders; and developing decentralized market system for non-grain food items to reduce wastage as well as inflation.



## Report Launch: Breathing Cleaner Air: Ten Scalable Solutions for Indian Cities

Motivated by the current leadership for a Clean India, a self-organized task force of scientists from 25 institutes across the world, came up with a report suggesting a set of ten scalable solutions to clean the air in India. The report was launched on 6th Oct 2016 in the plenary session in presence of Dr. Ajay Mathur (TERI), Prof. V. Ramanathan (UCSD), Mr. Dirk Fransear (VITO), Mr. Bali (Volvo), Dr. C. Dora (WHO) and Dr. S. Leonard (UN Environment). The report synthesized available data on sources of air pollution, its transport over long distances, its impact on public health, food production, regional climate, to arrive at the solutions that can significantly help reduce air pollution in Indian cities and states.





## International Steering Committee

Bringing together global leaders from the fields of polity, economy and academia to guide the preparations and content of WSDS 2016



**Andrew Steer**  
President and CEO, World  
Resources Institute



**Suman Bery**  
Former Chief Economist, Strategy  
and Business Environment, Shell  
International Limited



**Yvo de Boer**  
Director General, Global Green  
Growth Institute, Korea & Former  
Executive Secretary, UNFCCC



**Ajay Narayan Jha**  
Secretary, Ministry of  
Environment, Forest & Climate  
Change



**Rachel Kyte**  
CEO & Special Representative,  
Sustainable Energy for All (SE4All)



**Ashok Lavasa**  
Secretary (Expenditure), Ministry  
of Finance, Government of India



**Carlos Lopes**  
Executive Secretary, Economic  
Commission for Africa



**Onno Ruhl**  
Country Director, World Bank  
India



**Ali T. Sheikh**  
Director Asia - Climate &  
Development Knowledge Network  
(CDKN) & CEO, LEAD Pakistan



**Terry Tamminen**  
Founder and President, Seventh  
Generation Advisors & R20  
Founding Chair's Strategic Advisor



**Upendra Tripathy**  
Secretary, Ministry of New and  
Renewable Energy



**Arne Walther**  
Former Ambassador of Norway to  
India



**Yongping Zhai**  
Director, Energy Division, South  
Asia Regional Department, Asian  
Development Bank







## Regional Dialogues

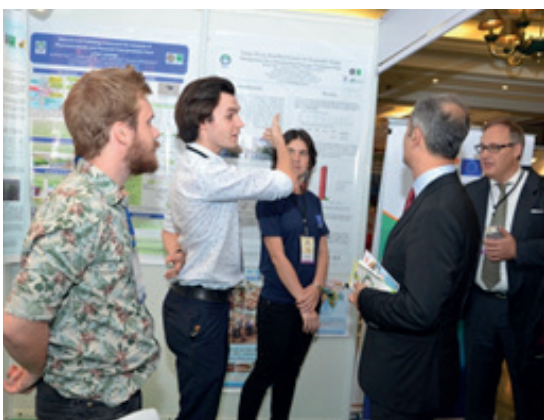
In the run-up to the World Sustainable Development Summit, a series of pre-events, ‘Regional Dialogues’ were hosted in the cities of **Mumbai, Bengaluru, Delhi, and Guwahati**, themed- *Localising the Post-2015 Development Agenda*. The discussions at the Regional Dialogues focussed on the broad themes of ‘Urbanisation: Challenges and Solutions’ and ‘Water, Sanitation and Hygiene (WASH)’.

The mandate of the SDGs to end poverty, protect the planet, ensure shared prosperity, and foster global peace, defines ‘what’ needs to be done over the next 15 years. The Regional Dialogues sought to explore the next critical step insofar as ‘how’ these goals and their targets could be successfully achieved over the next 15 years, and ‘who’ will be the primary actors. The SDGs will be driven not primarily by governments, but by evolving partnerships amongst governments, civil society, and the private sector.

The primary objectives of the Regional Dialogues were to:

- Involve regional actors
- Accelerate the implementation of the SDGs at the local level
- Highlight the importance of partnerships with civil society, corporates, and other actors
- Showcase the success of a bottom-up approach to achieve the Goals

## Greenovation 2016



In 2015, Parties to the United Nations Framework Convention on Climate Change reached a landmark agreement in Paris. Over 190 nations got together to combat climate change and move towards a low carbon, resilient, and sustainable future for all.

India too formulated a set of ambitious targets for itself as its Intended Nationally Determined Contributions (INDCs) ahead of the historic COP21 Paris Agreement. A key goal under this is the target of reducing the emissions intensity of its GDP by 33%–35% by 2030 from 2005 levels.

These visionary goals require a proliferation of cutting-edge green technology, innovative design, and novel capacity-building models. To facilitate this, TERI's exhibition, Greenovation 2016 brought together innovators and green entrepreneurs on a common platform with global experts on alternative energy and resources, commercial organisations seeking green technology, and government players looking to scale up original applications. Spread over four days of the Summit, the exhibition provided an excellent opportunity for innovators to showcase green technologies, ideas, and designs to government officials, policymakers, corporates, research and academic institutions, international development agencies, and the media.

The Greenovation 2016 showcased a range of the most innovative solutions addressing urgent sustainability issues.

## Smart Plug-In:

A special feature called the Smart Plug-Ins show cased seven innovative green technology business models, including the ADB pavilion exhibitors of Greenovation 2016, on the main stage at WSDS. Each presenter got 1.5 minutes to make a fast paced, concise pitch presentation and explain their innovation, business model and USP, and talk about the role of their product/service in accelerating climate change action. The aim was to provide the exhibitors a chance to reach the larger audience of WSDS and attract them to their exhibition stalls for detailed interactions.

**Display of BMW i8-the Future of Urban Mobility:** Displayed during the four days of the Summit, the BMW i8 features a completely new, exciting sports car design that includes comprehensive, sophisticated aerodynamics features, and environment-friendly materials. The intelligent plug-in hybrid system in the BMW i8 combines the benefits of an electric motor and a petrol engine into an extraordinary driving experience.





## Our exhibitors included

### WSDS 2016 EXHIBITION: GREENOVATION

#### PATRON



Ministry of New and Renewable Energy  
Government of India

#### EXHIBITORS



[A Mini Ratna Category-I PSU]  
IS/ISO 9001: 2008 Certified  
ISO/IEC 27001: 2013 Certified

Indian Renewable Energy  
Development Agency Limited



Solar Energy Corporation  
of India



ENERGY EFFICIENCY SERVICES LIMITED  
A JV of PSUs under the Ministry of Power

Energy Efficiency Services Limited



European Union Pavilion



DALUM • PAPERS • RECYCLE

Dalum Papir



Embassy  
of the Republic of Poland  
in New Delhi

Dalum Papir

#### ADB INNOVATORS



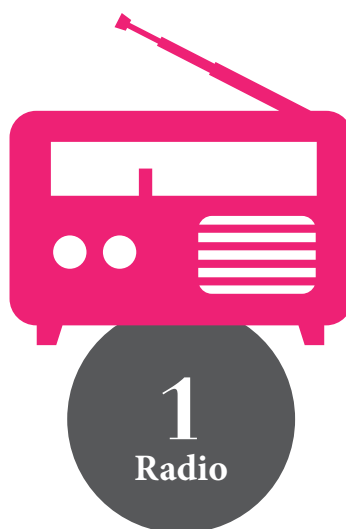
Asian Development Bank Pavilion

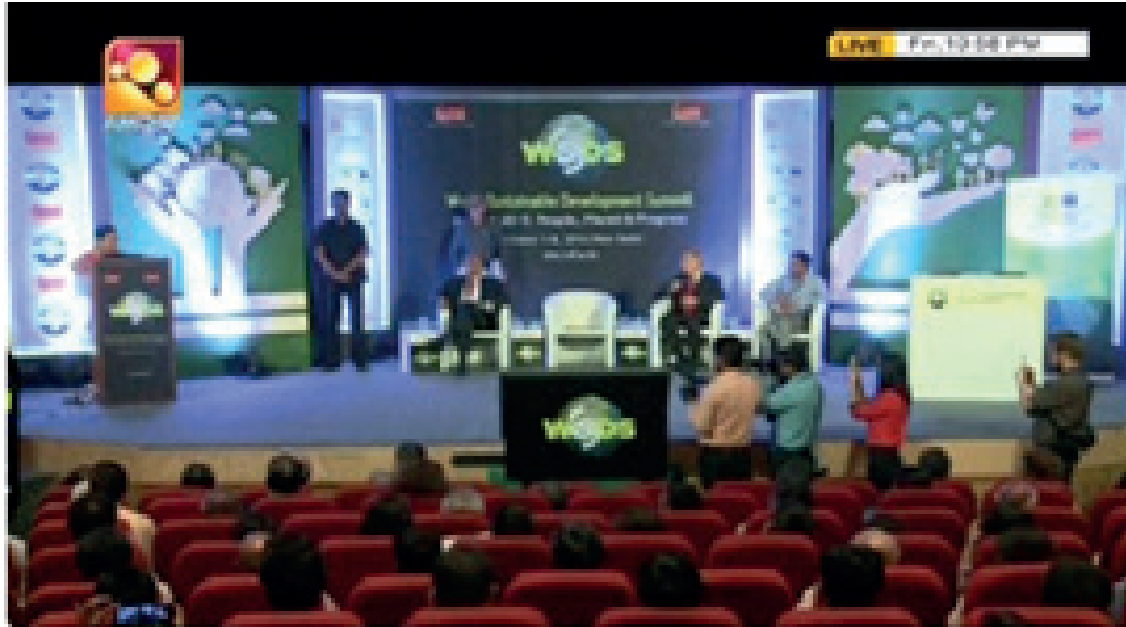


## Media Colloquium

TERI hosted a Media Colloquium on the sidelines of the WSDS with the participation of 19 journalists from seven countries, namely Afghanistan, Bangladesh, Cameroon, India, Nepal, Nigeria, and Sri Lanka. It enabled the sharing of best practices, community innovations, and the role of leadership to connect with larger audiences. It deliberated on how the media can promote ecological policies, while strengthening institutional frameworks for sustainable development.

### Media Colloquium stories





കുറ്റം ചെയ്തവർക്ക് ഉറപ്പാക്കാതെ ദയയിലെ നീക്കംതന്നിട്ടില്ലെന്ന് കോടതി

# easternchronicle

*Expert calls for research on adaptive crop*

മലയാള മനോരമ



President Conferred Sustainable Development Leadership Award to Sikkim CM

THE STAR

THE STAR NEWS

## TERI providing global solutions to sustainable

By Anu Nijaz Paul in New Delhi, India

**T**he Energy and Resources Institute (TERI) is setting the pace in providing global solutions to sustainable development, climate change and global agreements implementation. TERI stands impressively tall after successfully organizing the first edition of World Sustainable Development Summit under the Theme "Beyond 2015, People, Planet and Progress", The evolution from Delhi Sustainable Development Summit (DSDS) in 2001 to World Sustainable Development Summit (WSDS) in 2014



Experts at the end of TERI

World  
Dev  
f

## NG BUSINESS WHILE BEING IRONMENTALLY CONSCIOUS



## EASTERN MIRROR

[illegible]

## Northeast region to feel the heat of climate change



**ops to boost economy in NE**

ഇന്ത്യയുടെ മുൻപിപ്പുള്ളതു മോഹനതാരാജാ-  
ഹരിതപാതയിൽ മുന്നേറുന്നു 14 വർഷങ്ങൾ



**महाराष्ट्र टाइम्स**

മരിത  
മർഗം

Kindred College

आव्हान पॅरिस कराराच्या अंमलबजावणीचे

**S**ome of our guests said they had never before experienced something like it! It was a real treat.

[illegible]

It was when the two men could neither describe the location of the bird nor even tell me whether there appeared to be any other birds nearby that I knew I was in trouble. I was alone in the forest and I had no way of knowing where to go.

■ **confronting** and **collaborating** groups provide **enhanced** communication and **problem-solving** skills.

[illegible]

like a lightbulb, they glow when you turn them on. And, like a lightbulb, they glow brighter when you turn them on more often. And, like a lightbulb, they glow brighter when you turn them on more often.

- also shows attached to another type of stress pattern and therefore the stress pattern was found to be very different from the rest of the group.

[illegible]

Page 9

## e development

also brought together high quality experts, researchers and scholars in climate change and sustainable development issues from far and near such as Minister Piyush Goyal for PowerCo.

the guardian

## Sustainable Development Summit:

## 't of rural road infrastructure crucial for poverty alleviation, experts say

## Installations

**At T3 terminal of the Delhi International Airport:** GMR, EESL, and TERI set up a photo booth for people arriving at the airport to pledge their commitment to contribute towards energy efficiency and to act for the Earth. #Act4Earth is a movement to mobilise people and communities to take action for the environment.



**Sustainable Developments Goals are  
OUR GOALS FOR A SAFER FUTURE. Let's #Act4Earth**



**At India Habitat Centre:** TERI and EESL set up a photo booth for participants to pledge their commitment to contribute towards energy efficiency. #ILEDTHEWAY is a movement across India to move to LED bulbs. With one simple act of moving to energy-efficient LED bulbs, the people too can do their bit to save money and make the entire nation more energy efficient, and help India reduce its greenhouse gas emissions.



## TerraGreen Photo Exhibition 2016

### Photos needed

The entries of the TerraGreen (TERI's monthly environmental magazine) Photo Contest 2016 were exhibited as part of the Summit. Of the 300 entries received, the jury comprising of the TerraGreen editorial team and prominent photographer, Ranjan Basu shortlisted the top 30 shots. The Contest and the Exhibition was sponsored by Dalum papers and the award money sponsored by the State Bank of Hyderabad.



*Winning entry: Village Boys Relaxing in the Midst of God Gifted Green Nature*

## WSDS App

All the event details regarding content and logistics for WSDS were available on a mobile App for Android and IOS users. A quick guide for the Summit, the App contained information and real-time updates on various details such as the agenda, speakers' profile, itinerary of events taking place, map of the venue, and important contact details.

**Total WSDS App users: 167**

## Green Day

The Green Day, an evening dedicated to Environmental Innovation Dialogues, Open Mic and Literary Prize, was organised by the French Institute in India, and hosted by the French Embassy, as a closing to the World Sustainable Development Summit, organized by TERI, for the 5th to the 8th of October, 2016. The Green Day is a platform aiming to bring together the initiatives of civil society, private sector, and public policies to create a new path to a greener future together. After the welcome remarks given by HE Mr. Alexandre Ziegler, Ambassador of France to India, two dialogues on ‘Economy of Environment’ and on ‘Consciousness of Space’ were held between Dr Ajay Mathur, Director General, TERI, and Ms Miniya Chatterji, CSO, Jindal Steel and Power Group of Companies; and between Mr Jean Echenoz, multi-awarded French writer and Dr Vandana Shiva, Founder, Navdanya, respectively. The dialogues were then followed by the awarding of the Fellows of Nature South Asia Short Story Award to Ms Meghna Pant. Mr Sumant Batra, Founder of Kumaon Literary Festival, also addressed the gathering. The evening was followed by organic snacks from Navdanya.

## Thematic Tracks

A total of 25 thematic tracks were hosted at the WSDS 2016. Focussed discussions were organised on a variety of themes over the four days.

## Webcasting

Live broadcast of the four days of the Summit was available globally.

Thematic Tracks	Partner
October 5 @ India Habitat Centre   10 am -12 noon	
Climate-Resilient Agriculture	World Bank
EU-India Collaboration for Implementation of the Nationally Determined Contributions	EU
Valuation of Energy Costs in the India Context	World Bank; Mahindra
Mainstreaming SDG Goal No.7 — Affordable and Clean Energy	UNDP
Linking Climate Risks to Policy and Practice — Sharing Experiences and Approaches for Research Uptake	CARIAA– India Country Engagement

Thematic Tracks	Partner
Corporate Dialogue on Transitioning to Low GWP Refrigerants and Higher Efficiencies	Ingersoll Rand; NRDC
Mainstreaming Biodiversity for Responsible Business	IUCN; LFN
Using Multi-stakeholder Simulations to Examine the Impacts of Food Policy Choices in India and Asia	
<b>October 6 @ Vigyan Bhawan   10 am - 12 noon</b>	
Clean Energy Nexus- The way forward in India	Norway Embassy; Statkraft; Innovation Norway
Air Pollution in India: A Problem with Scalable Solutions	Climate & Clean Air Coalition
Energising Agri-food Value Chain through Clean Energy – Investing in Entrepreneurship and Sustainable Solutions	REEEP
Lifestyles, Production, & Consumption: Key Challenges for Sustainable Development	AFD
Workshop on Resource Efficiency and Circular Economy	EU
<b>October 7 @ India Habitat Centre   4.15 - 6.15 pm</b>	
Realising the Electric Mobility Vision	BMW
2nd India-EU Water Forum	EU
Achieving Sustainable Development Goals: Challenges and Opportunities for Urban India	EU

Thematic Tracks	Partner
Pre-COP 22 Corporate Consultation: Role of Indian Industry in meeting India's INDC Goals	India GHG Program
Challenges & Strategies to Mobilise Climate Finance for Low Carbon Development	World Bank
Role of Smart Grid Technologies in Power Sector Reforms for Promoting 24x7 Affordable & Environment Friendly 'Power for All' in India	Swedish Energy Agency; Embassy of Sweden
<b>October 8 @ India Habitat Centre   10 am - 12 noon</b>	
Youth Ecopreneurs	GENPACT
International Solar Alliance	International Solar Alliance
Collaborative Regional Learning to Enhance Resilience to Climate Change in South Asia	CDKN; LEAD
Scaling Up Energy Efficiency	EESL
Ensuring Sustainable Consumption and Production Patterns (SDG 12) through Higher Education Learning	UNEP; TERI University



# WSDS Outreach

CHAMLING GETS SUSTAINABLE DEVP LEADERSHIP AWARD

## Proud moment

**MUMBAI NEWS SERVICE**  
Mumbai, 4 October

Chief Minister Pawan Chamling has been conferred the 2016 'Sustainable Development Leadership Award' by President of India, Mr Pranab Mukherjee during the World Sustainable Development Summit (WSDS) organized by The Energy and Resources Institute (TERI) at Vigyan Bhawan, New Delhi today.



## Teri for pan-India clean air plan

### WHO'S TO BLAME FOR THE POOR AIR YOU BREATHE?

**NEIGHBOURS MAKE DELHI'S FIGHT EVEN TOUGHER**

A joint study on Delhi's air pollution by Teri and University of California at San Diego finds that more than 40% of PM 2.5 contribution is from sources outside NCR.

While sources in Delhi contribute to only 22%, 20% of emissions come from the rest of NCR.

Even if all emissions from Delhi were to be stopped, the

the safe standards at several locations.

found to be higher in oxides of nitrogen, elemental carbon and organic carbon.

The findings are based on targeted simulations and measurements across the NCR.



## वायु प्रदूषण से निपटने के लिए सुझाए 10 बिंदु

वायु प्रदूषण को नियंत्रित करने के लिए 10 बिंदु सुझाए जा रहे हैं।

1. वायु प्रदूषण को नियंत्रित करने के लिए 10 बिंदु सुझाए जा रहे हैं।

2. वायु प्रदूषण को नियंत्रित करने के लिए 10 बिंदु सुझाए जा रहे हैं।

3. वायु प्रदूषण को नियंत्रित करने के लिए 10 बिंदु सुझाए जा रहे हैं।

4. वायु प्रदूषण को नियंत्रित करने के लिए 10 बिंदु सुझाए जा रहे हैं।

5. वायु प्रदूषण को नियंत्रित करने के लिए 10 बिंदु सुझाए जा रहे हैं।

6. वायु प्रदूषण को नियंत्रित करने के लिए 10 बिंदु सुझाए जा रहे हैं।

7. वायु प्रदूषण को नियंत्रित करने के लिए 10 बिंदु सुझाए जा रहे हैं।

8. वायु प्रदूषण को नियंत्रित करने के लिए 10 बिंदु सुझाए जा रहे हैं।

9. वायु प्रदूषण को नियंत्रित करने के लिए 10 बिंदु सुझाए जा रहे हैं।

10. वायु प्रदूषण को नियंत्रित करने के लिए 10 बिंदु सुझाए जा रहे हैं।

## The need to sustain development on a green plank

Green premium coupled with ambitious India goals make it imperative for India to adopt sustainability related conventions

## The business of sustainability

The key here is innovation that reaps both bottom-line and top-line returns, without compromise

At a time when the world is witnessing a paradigm shift towards sustainable development, the business of sustainability is becoming a reality. The key to success in this field is innovation that reaps both bottom-line and top-line returns, without compromise.

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## 'THREAT OF CLIMATE CHANGE REAL'

Climate change is not just a threat, it is a reality. The threat of climate change is real and it is time to take action. The threat of climate change is real and it is time to take action.

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## 40% of air pollutant PM2.5 comes from outside: Study

Study finds that 40% of air pollutant PM2.5 comes from outside the city. The study found that 40% of air pollutant PM2.5 comes from outside the city.

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## 'BEYOND 2015: PEOPLE, PLANET & PROGRESS'

LEADERS AT THE MEET TO DISCUSS LOCAL SOLUTIONS TO GLOBAL CHALLENGES RELATED TO SUSTAINABILITY

The meeting was held to discuss local solutions to global challenges related to sustainability. The meeting was held to discuss local solutions to global challenges related to sustainability.

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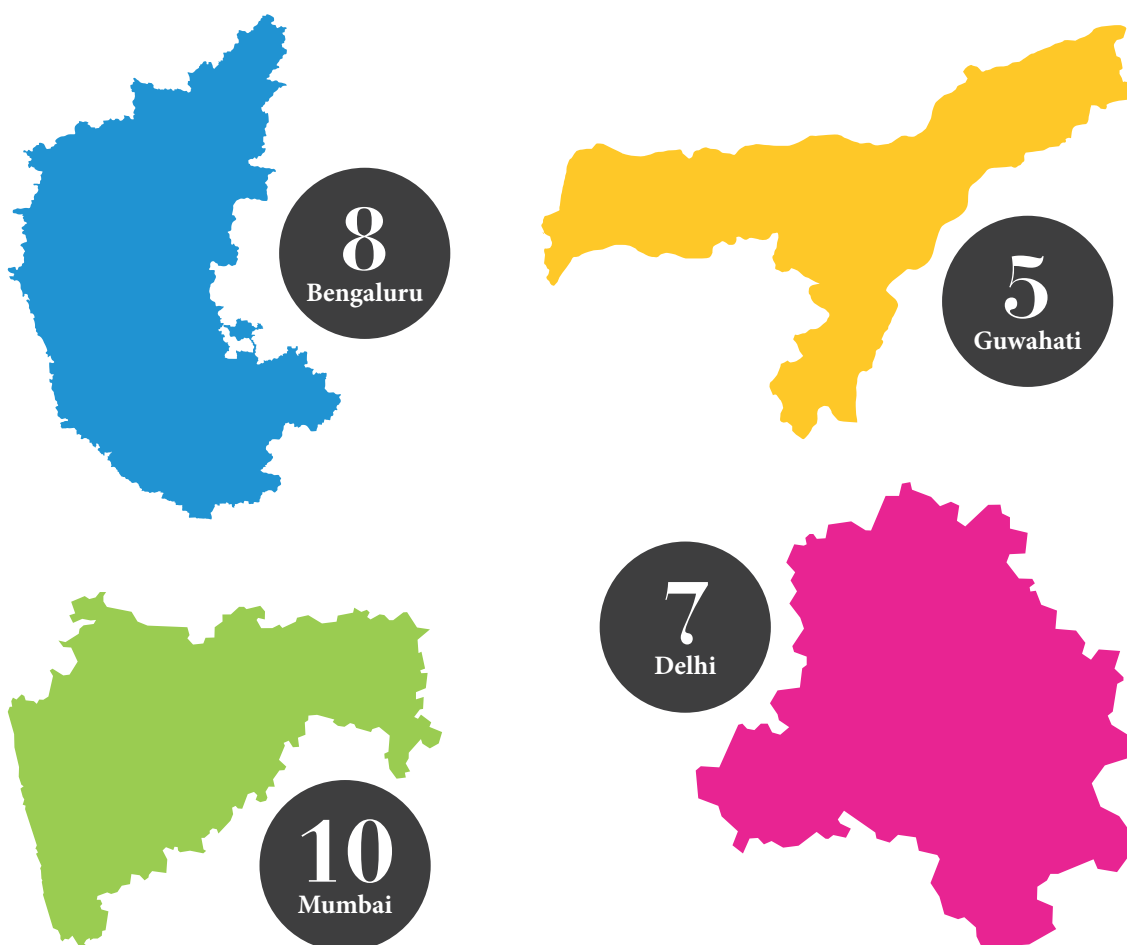
## Building thought leadership before WSDS:

- 125 print and online articles over four months
- 15 authored articles across leading print (all in national editions) and online platforms (May to October 2016)

## During WSDS (5–8 October 2016)

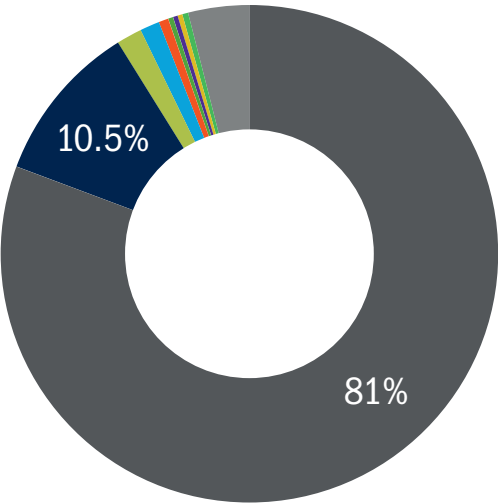


The WSDS Regional Dialogues garnered 30 articles across Bengaluru, Delhi, Guwahati, and Mumbai in leading publications of these regions.



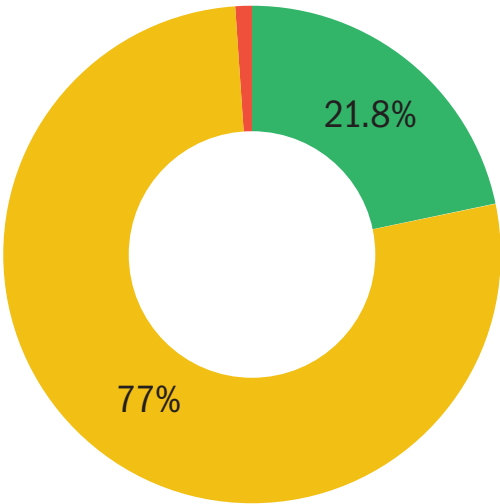
# #Act4Earth

Share of countries  
#Act4Earth was picked in 20+ countries



- India
- 46K% United States
- United Kingdom
- Belgium
- France
- Pakistan
- Qatar
- Australia
- Kenya
- Other

Proportion of Sentiment



- Positive
- 342K% Neutral
- Negative

All the mentions were either positive or neutral in nature



Total Posts	Reach	Engagements
86	252K	8,834



Total Tweets	Impressions	Engagements
720	5.24Mn	5,921

# Social Events

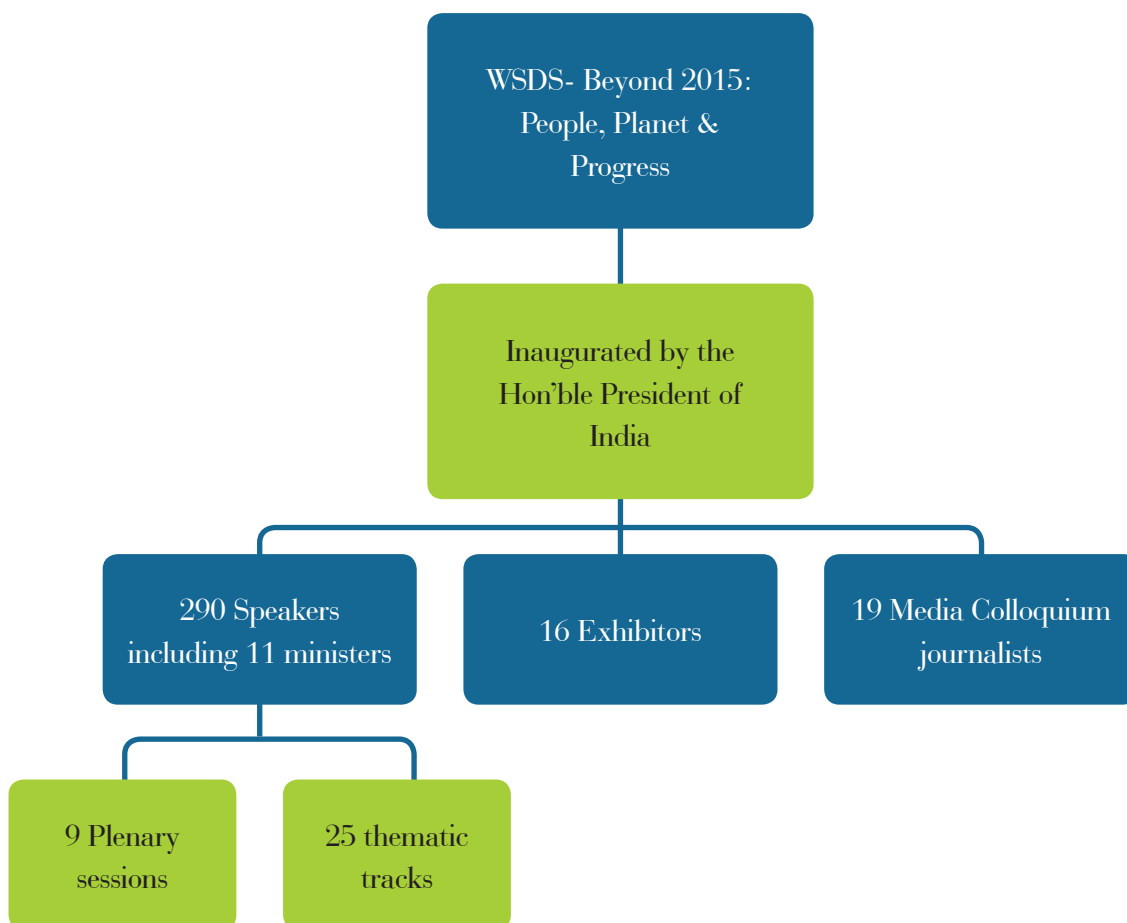




# WORLD SUSTAINABLE DEVELOPMENT SUMMIT

Beyond 2015: People, Planet & Progress

October 5-8, 2016 | India Habitat Centre, Lodhi Road, New Delhi  
Tentative Agenda as on October 8, 2016 @ 1120 hours





Time	October 5, 2016	
8.30 am onwards	Registration opens	
10.00 am – 12.00 pm	<b>Thematic Tracks @ India Habitat Centre</b>	<b>Venue</b>
	Climate Resilient Agriculture (World Bank)	Jacaranda
	EU–India Collaboration for Implementation of NDCs	Tamarind
	Valuation of Energy Costs in the Indian Context	Juniper
	Mainstreaming SDG Goal No.7 – Affordable and Clean Energy	Gulmohar
	Linking Climate Risks to Policy and Practice – Sharing Experiences and Approaches for Research Uptake (CARIAA)	Magnolia
	Transitioning to More Efficient HVAC System with Low GWP Refrigerants	Amaltas
	Using Multi-Stakeholder Simulations to Examine the Impacts of Food Policy Choices in India and Asia	Conference Room, TERI
	Mainstreaming Biodiversity for Responsible Businesses	Marigold
12.00 – 1.00 pm	Lunch hosted by Energy Efficiency Services Ltd (EESL)	
1.00 – 1.30 pm	<b>Greenovation 2016 Exhibition Inauguration @ India Habitat Centre</b> <b>Mr Jayant Sinha</b> , Hon'ble Minister of State for Civil Aviation, India <b>HE Mr Tomasz Kozlowski</b> , Ambassador of the European Union to India Followed by a walk-through of the Exhibition	
1.30 – 2.30 pm	<b>Business Day</b> <ul style="list-style-type: none"><li>• Inaugural Session</li><li>• Plenary: Encouraging Businesses to Take the Lead in Poverty Reduction &amp; Achieving SDGs</li><li>• Smart Plug-ins</li><li>• Plenary: Low Carbon Industries: Accelerative Employment in the Context of Sustainable Development</li><li>• Valedictory</li><li>• Networking Reception</li></ul>	
October 6, 2016		
10.00 am – 12.00 pm	<b>Thematic Tracks @ Vigyan Bhawan</b>	<b>Venue</b>
	EU - Workshop on: Resource Efficiency and the Circular Economy	Hall No. 6
	AFD - Lifestyles, Production and Consumption: Key Challenges for Sustainable Development	Hall No. 5
10.00 am – 12.00 pm	REEEP - Energising Agri-food Value Chain through Clean Energy – Investing in Entrepreneurship and Sustainable Solutions	Hall No. 4
	Norway Embassy/Statkraft - Clean Energy Nexus- The way forward in India	Hall No. 1
	Air Pollution in India: A Problem with Scalable Solutions - Roundtable	Hall No. 2 & 3
1.15 – 2.15 pm	<b>Inaugural by the Hon'ble President of India @ Vigyan Bhawan</b> <b>Presentation of the 2016 Sustainable Development Leadership Award</b>	

<b>2.30 – 3.30 pm</b>	<b>Lunch @ India Habitat Centre</b>
3.45 – 5.00 pm	<p><b>Ministerial Session - People's Aspirations and Sustainability : New Governance Paradigm @ India Habitat Centre</b></p> <p><b>Chair: Ambassador Ajai Malhotra</b>, Distinguished Fellow &amp; Senior Advisor (Climate Change), TERI</p> <p><b>HE Mr Karmenu Vella</b>, Commissioner for Environment, Maritime Affairs and Fisheries, European Commission</p> <p><b>Mr Anil Madhav Dave</b>, Hon'ble Minister of State (I/C) of Environment, Forest and Climate Change, India</p> <p><b>HE Mr Lars Andreas Lunde</b>, Deputy Minister of Climate and Environment, Ministry of Climate and Environment, Norway</p> <p><b>HE Mr Slawomir Mazurek</b>, Deputy Minister of Environment, Poland</p> <p><b>HE Mr Ibrahim Baylan</b>, Minister for Policy Coordination and Energy, Sweden</p> <p><b>HE Mr Erik Solheim</b> Under Secretary General of the United Nations &amp; Executive Director of UN Environment</p>
5.00 – 6.00 pm	<p><b>Plenary - Air Pollution is a Solvable Problem</b></p> <p><b>Chair: Prof. V Ramanathan</b>, Distinguished Professor and UNEPs Champions of Earth, Scripps Institution of Oceanography, University of California, San Diego</p> <p><b>Panellists:</b></p> <p><b>Mr Kamal Bali</b>, Managing Director, Volvo India Pvt. Ltd</p> <p><b>Dr Carlos Dora</b>, Coordinator – Public Health, Environmental and Social Determinants of Health Department, WHO</p> <p><b>Dr Dirk Fransaeer</b>, Managing Director, VITO</p> <p><b>Dr Sunday Leonard</b>, Science Programme Officer, UNEP-CCAC</p> <p><b>Dr Ajay Mathur</b>, Director-General, TERI</p>
<b>6.00 – 6.15 pm</b>	<b>Tea</b>
6.15 – 7.30 pm	<p><b>Plenary – Climate ~Water ~ Energy ~ Food Nexus</b></p> <p><b>Chair: Mr Ajay Shankar</b>, Distinguished Fellow, TERI</p> <p><b>Panellists:</b></p> <p><b>Ambassador Jonathan Addleton</b>, Mission Director, USAID-India</p> <p><b>Mr Anindya Chatterjee</b>, Regional Director, Asia, International Development Research Centre (IDRC)</p> <p><b>Mr Klas Eklund</b>, Senior Economist Sustainability, SEB</p> <p><b>Dr Keywan Riahi</b>, Director- Energy Program, IIASA</p> <p><b>Mr Ravi Singh</b>, Secretary General &amp; CEO, WWF-India</p>
7.30 – 7.50 pm	<p><b>Special Addresses:</b></p> <p><b>Mr Suresh Prabhu</b>, Hon'ble Union Minister of Railways, India</p> <p><b>Mr Pawan Chamling</b>, Hon'ble Chief Minister of Sikkim</p> <p><b>Chair: Dr Ajay Mathur</b>, Director-General, TERI</p>
<b>7.50 pm onwards</b>	<b>Cultural evening followed by Dinner</b>

October 7, 2016 @ India Habitat Centre	
9.15 – 9.45 am	Tea
9.45 – 11.00 am	<p><b>Plenary – Habitat III Agenda – Sustainable Development Goals and Implications for Cities</b></p> <p><b>Chair: Mr S Sundar</b>, Distinguished Fellow, TERI</p> <p><b>Panellists:</b></p> <p><b>Mr Yuri Afanasiev</b>, UN Resident Coordinator and UNDP Resident Representative</p> <p><b>Ms Anita Arjundas</b>, President &amp; CEO, Mahindra Lifespaces</p> <p><b>Mr Cyrille Bellier</b>, Deputy Executive Director, Strategy, Partnerships &amp; Communication Directorate, AFD</p> <p><b>Mr Andreas Klugescheid</b>, Vice President Governmental Affairs, BMW AG</p> <p><b>Prof. Om Prakash Mathur</b>, Senior Fellow and Head, Urban Studies, Institute of Social Sciences</p> <p><b>Dr Shipra Narang Suri</b>, Vice-President, General Assembly of Partners towards Habitat III &amp; Co-Chair, World Urban Campaign</p> <p><b>Ms Xueman Wang</b>, Senior Carbon Finance Specialist, The World Bank, Sustainable Development Network</p>
11.00 – 11.05 am	Showcasing the TERI – Mahindra Centre of Excellence
11.05 am – 12.20 pm	<p><b>Plenary – Sustainable Development Goals on Water: Challenges and Opportunities</b></p> <p><b>Chair: Dr S K Sarkar</b>, Distinguished Fellow, TERI</p> <p><b>Panellists:</b></p> <p><b>Dr Genevieve Connors</b>, Program Leader, Water &amp; Sustainability, India Country Office, The World Bank</p> <p><b>HE Mr Slawomir Mazurek</b>, Deputy Minister of Environment, Poland</p> <p><b>Dr A Ravindra</b>, Chairman, Centre for Sustainable Development &amp; Chairman, Institute for Social &amp; Economic Change &amp; former Chief Secretary, Karnataka</p> <p><b>Mr A Ravindra</b>, Director, Watershed Support Service and Activity Network (WASSAN)</p> <p><b>Dr S K Sarkar</b>, Distinguished Fellow, TERI</p> <p><b>Ms Astrid Schomaker</b>, Director Global Sustainable Development, DG Environment, European Commission</p> <p><b>Dr Alok Sikka</b>, International Water Management Institute (IWMI) Country Representative, India</p>

<b>12.20 – 1.15 pm</b>	<b>Lunch</b>	
1.15 – 2.30 pm	<p><b>Plenary – NDCs: Plans, Policies &amp; Priorities</b></p> <p><b>Chair:</b> <b>Dr Prodipto Ghosh</b>, Distinguished Fellow, TERI</p> <p><b>Panellists:</b></p> <p><b>Mr Erik Brandsma</b>, Director-General, Swedish Energy Agency</p> <p><b>Prof. Hironori Hamanaka</b>, Chair of the Board of Directors, Institute for Global Environmental Strategies</p> <p><b>Dr Ajay Mathur</b>, Director-General, TERI, India</p> <p><b>Mr R R Rashmi</b>, Special Secretary, Ministry of Environment, Forest and Climate Change, India</p>	
2.30-2.35 pm	<b>MoU Signing between TERI &amp; the French Alternative Energies and Atomic Energies Commission (CEA) MoU</b>	
2.35 – 3.35 pm	<p><b>Plenary – Beyond 2015: Sustainable Infrastructure for Africa's Transformation</b></p> <p><b>Chair:</b> <b>Mr Nitin Desai</b>, Distinguished Fellow, TERI &amp; Former UN Under-Secretary-General for Economic and Social Affairs</p> <p><b>Panellists:</b></p> <p><b>Dr Araya Asfaw</b>, Director, Horn of Africa Regional Environment Centre &amp; Network, Addis Ababa</p> <p><b>Ms Meaza Ashenafi</b>, Adviser, Gender and Women's Rights, Capacity Development Division, UNECA</p> <p><b>Mr Martin Hiller</b>, Director-General, REEEP</p> <p><b>Ambassador Ajai Malhotra</b>, Distinguished Fellow, TERI</p> <p><b>Ambassador Nalin Surie</b>, Director-General, Indian Council of World Affairs</p>	
3.35 – 4.00 pm	<p><b>MOU Signing between the Government of India and European Union</b></p> <p><b>Special Address:</b></p> <p><b>Sushri Uma Bharti</b>, Hon'ble Minister of Water Resources, River Development and Ganga Rejuvenation, India</p> <p><b>HE Mr Karmenu Vella</b>, Commissioner for Environment, Maritime Affairs and Fisheries, European Commission</p> <p><b>Chair:</b> <b>Mr S Vijay Kumar</b>, Distinguished Fellow, TERI</p>	
<b>4.00– 4.15 pm</b>	<b>Tea</b>	
<b>4.15 – 6.15 pm</b>	<b>Thematic Tracks</b>	<b>Venue</b>
	Realising the Electric Mobility Vision (BMW)	Jacaranda
	2 <sup>nd</sup> EU– India Water Forum	Tamarind
	Achieving Sustainable Development Goals: Challenges and Opportunities for Urban India (EU)	Juniper
	Role of Forests in India's INDC	Gulmohar
	Pre-COP 22 Corporate Consultation: Role of Indian Industry in meeting India's INDC Goals	Magnolia
	Challenges & Strategies to Mobilise Climate Finance for Low-Carbon Development (World Bank)	Amaltas
	Role of Smart Grid Technologies in Power Sector Reforms for Promoting 24x7 Affordable & Environment-Friendly 'Power for All' in India (Swedish Energy Agency)	Marigold

6.15 – 6.45 pm	<b>Special Address : Mr Amitabh Kant</b> , CEO, NITI Aayog (National Institution for Transforming India), Government of India  <b>Chair: Mr Jayant Banthia</b> , Former Chief Secretary of Maharashtra  • Launch of the Publication, ‘People, Planet & Progress Beyond 2015’	
6.45 pm onwards	<b>Cultural Performance &amp; Dinner</b>	
<b>October 8, 2016 @ India Habitat Centre</b>		
9.30 – 10.00 am	<b>Keynote Address: Prof. Jeffrey Sachs</b> , Director- The Earth Institute, Columbia University (via video)  <b>Chair: Dr Ajay Mathur</b> , Director-General, TERI	
10:00 am – 12.00 pm	<b>Thematic Tracks</b>	<b>Venue</b>
	Youth Ecopreneurs (Genpact )	Jacaranda
	International Solar Alliance	Tamarind
	Collaborative Regional Learning and Brokering Knowledge to Enhance Resilience to Climate Change in South Asia (CDKN & LEAD)	Juniper
	Scaling Up Energy Efficiency (EESL)	Gulmohar
	Ensuring Sustainable Consumption and Production Patterns (SDG 12) through Higher Education Learning (TU)	Marigold
12.00 pm – 1.00 pm	<b>Lunch</b>	
1.00 pm – 2.15 pm	• <b>Screening of the TRISHA (TERI’s Research Initiative at Supi for Himalayan Advancement) film</b>	
	<b>Plenary - Energy Transitions: Perspectives &amp; Priorities</b>	
	<b>Chair: Dr Ajay Mathur</b> , Director-General, TERI	
	<b>Lead Presentations:</b>	
	Global Energy Transitions: <b>Mr Paul Simons</b> , Deputy Executive Director, International Energy Agency	
	India Energy Transitions: <b>Dr Ritu Mathur</b> , Director, Green Growth and Resource Efficiency, TERI	
	<b>Panellists:</b>	
	<b>Dr Anshu Bharadwaj</b> , Executive Director, CSTEP	
	<b>Mr Jaco Cilliers</b> , Country Director, UNDP India	
	<b>Mr Ashok Lavasa</b> , Secretary - Finance & Expenditure, Ministry of Finance, India	
	<b>Mr Sumant Sinha</b> , Chairman & CEO, ReNEW Power	
	<b>Mr Upendra Tripathy</b> , Secretary, Ministry of New and Renewable Energy, India	



2.15 – 3.15 pm	<p><b>Plenary : Climate Finance and Implementation Towards Sustainability</b></p> <p><b>Chair: Mr Nitin Desai</b>, Distinguished Fellow, TERI &amp; Former UN Under-Secretary-General for Economic and Social Affairs</p> <p><b>Panellists:</b></p> <p><b>Mr Suman Bery</b>, Former Member - Prime Minister's Economic Advisory Council</p> <p><b>Mr Ashok Chawla</b>, Chairman, TERI</p> <p><b>Mr Sanjay Mitra</b>, Secretary, Ministry of Road, Transport &amp; Highways, India</p> <p><b>Mr Dinesh Sharma</b>, Special Secretary, Department of Economic Affairs, Ministry of Finance, India</p> <p><b>Mr George N Sibley</b>, Minister Counselor for Economic Affairs and Environment, Science and Technology, US Embassy – India</p>
3.15 – 4.00 pm	<p><b>Valedictory Session</b></p> <p><b>Opening Remarks :</b> <b>Mr Ashok Chawla</b>, Chairman, TERI</p> <p><b>Summary of the WSDS 2016 Proceedings:</b> <b>Mr Amit Kumar</b>, Senior Director – Social Transformation, TERI</p> <p><b>Special Address: Presentation of Awards:</b></p> <ul style="list-style-type: none"> <li>▪ <b>TU Award</b></li> <li>▪ <b>TERI Press Photo Contest Award</b></li> </ul> <p><b>Valedictory Address:</b> <b>Mr Prakash Javadekar</b>, Minister of Human Resource Development, India (<b>via video</b>)</p> <p><b>Concluding Remarks:</b> <b>Dr Ajay Mathur</b>, Director-General, TERI</p>
6.00 – 9.00 pm	<p><b>Green Day:</b> An evening dedicated to Environmental Innovation Dialogues, Open Mic and Literary Prize @ Residence of France</p> <p><b>IMPORTANT:</b> Entry by registration only - register at <a href="mailto:sve@ifindia.in">sve@ifindia.in</a> by 7<sup>th</sup> October noon.</p>



# WSDS 2016 PARTNERS

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For further information, please contact  
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