



Secretariat



Young Researchers' South Asian Symposium on Sustainable Development Goals (SDGs) 2016

Ensuring Sustainable Consumption and Production Patterns

6-8 October 2016

Venue: TERI University, 10, Institutional Area, Vasant Kunj, New Delhi - 110070, India

The United Nations' Sustainable Development Goals (SDGs) pave the way to transforming our world through sustainable development by 2030. Educational institutions play a vital role as the drivers of knowledge-creation, human capital development, policy research and multi-stakeholder dialogue. Therefore, it is imperative to establish a community of like-minded researchers and academics, who are working to advance research on sustainable development to strengthen policies that support the SDGs.

An agreement signed between TERI University and the United Nations Environment Programme (UNEP) under the EU-funded SWITCH-Asia Policy Support Programme aims to support learning on SCP among different stakeholders, especially policymakers and students, as well as consumers, businesses, and supporting organizations in South Asia.

In light of this, TERI University along with the UNEP and the United Nations Sustainable Development Solutions Network (SDSN) South Asia is organizing the annual Young Researchers' South Asian Symposium on Sustainable Development Goals (SDGs) from October 6-8, 2016 on the sidelines of the World Sustainable Development Summit (WSDS) 2016 – Beyond 2015: People, Planet and Progress.

Achieving the sustainable development goals in South Asia requires greater research and development opportunities in order to encourage and support the region's emerging scholars. The Young Researchers' South Asian symposium aims to provide high-level exposure for doctoral and post-doctoral researchers working in areas related to the SDGs, in order to share their research and become aware of advanced research on SDGs in the region.

Thematic Tracks for Research Presentations

- Policies for Sustainable Development
- Climate Change, Human Ecosystems and Public Health
- Natural Resources Management
- Sustainable Food Systems
- Business and Sustainability
- Sustainable Human Habitats

Agenda

Day 1: October 6, 2016	
Time	Agenda Item
0900 – 0930	Registration
0930 – 1030	Opening Session Venue: TERI University
0930 – 0940	Video presentation on TERI University
0940 – 0945	Welcome note Dr. Rajiv Seth , Pro Vice-Chancellor, TERI University
0945 – 0950	Introduction to the Symposium Dr. Shaleen Singhal , Head, Department of Policy studies, TERI University
0950 – 1015	Inaugural Address (TBC)
1015 – 1020	Briefing and Vote of thanks Dr. Chubamenla Jamir , Assistant Professor, Department of Natural Resources, TERI University
1020 – 1030	Group Photo
Inauguration of the World Sustainable Development Summit, 2016 Venue: Vigyan Bhawan, Maulana Azad Road, Central Secretariat, New Delhi	
1130 – 1230	Registration for WSDS
1315 – 1415	Inaugural of WSDS 2016 by the Hon'ble President of India, Shri. Pranab Mukherjee
1430 – 1530	Return to TERI University and Lunch
1530 – 1700	Poster Presentation Venue: Amphitheatre, TERI University Judges : Dr. Samdrup Rigyal , Director, Department of Planning and Natural Resources, Royal University of Bhutan Dr. Lakshmi Raghupathy , Former Director, Ministry of Environment & Forests, New Delhi; Adviser, Environment & Waste Management; and Visiting Faculty TERI University Ms. Zeenat Niazi , Vice-president & Head - Communications Solutions Branch, Development Alternatives, New Delhi Prof. Nilanthi Bandara , Department of Forestry and Environmental Science, University of Sri Jayewardenepura, Sri Lanka Dr. Nandan Nawn , Associate Professor, Department of Policy Studies, TERI University

Day 2: October 7, 2016

Venue: TERI University, 10 Institutional Area, Vasant Kunj, New Delhi 110070

Time	Agenda Item
0900 – 1030	<p>Poster Presentation Venue: Amphitheatre, TERI University</p> <p>Judges: Dr. Samdrup Rigyal, Director, Department of Planning and Natural Resources, Royal University of Bhutan</p> <p>Dr. Lakshmi Raghupathy, Former Director, Ministry of Environment & Forests, New Delhi; Adviser, Environment & Waste Management; and Visiting Faculty TERI University</p> <p>Prof. Nilanthi Bandara, Department of Forestry and Environmental Science, University of Sri Jayewardenepura, Sri Lanka</p> <p>Dr. Nandan Nawn, Associate Professor, Department of Policy Studies, TERI University</p>
1030 – 1045	Tea Break
1045 – 1115	<p>Start-up Research on Sustainable Consumption and Production – SWITCH-Asia Regional Policy Support</p> <p>Moderator: Dr. Chubamenla Jamir, Assistant Professor, Department of Natural Resources</p> <p>Presenters: Mr. Bishal Goswami, '<i>SCP Framework for Affordable and Climate Resilient Building Materials and Construction Technologies in Cold Climates of South Asian Region</i>', The Energy and Resources Institute (TERI)</p> <p>Mr. Sourabh Jain, 'xxxxxxx', TERI University</p>
1115 – 1330	Thematic Track Presentations (Parallel Sessions)
1115 – 1330	<p>Parallel Session 1: 'Policies for Sustainable Development' Venue: L-001</p> <p>Moderators: Mr. W.K. Rathnadeera, Senior Program Officer, South Asia Co-operative Environment Programme (SACEP)</p> <p>Dr. Nandan Nawn, Associate Professor, Department of Policy Studies, TERI University</p> <p>Dr. Gopal Sarangi, Assistant Professor, Department of Policy Studies, TERI University</p> <p>Rapporteur: Mugdha Malik</p>

Time	Agenda Item
1115 – 1330	<p>Parallel Session 2: ‘Climate Change, Human Ecosystems and Public Health’ and ‘Natural Resources Management’ Venue: Conference Hall</p> <p>Moderators: Dr. Samdrup Rigyal, Director, Dept. of Planning and Natural Resources, Royal University of Bhutan</p> <p>Dr. C. K. Singh, Assistant Professor, Department of Water Science and Policy, TERI University</p> <p>Dr. Kamna Sachdeva, Assistant Professor, Department of Natural Resources, TERI University</p> <p>Dr. Sudipto Chatterjee, Associate Professor, Department of Natural Resources, TERI University</p> <p>Rapporteur: Gilmore F. G. Momin</p>
1115 – 1330	<p>Parallel Session 3: ‘Sustainable Food Systems’ and ‘Business and Sustainability’ Venue: Seminar Hall</p> <p>Moderators: Prof. Nilanthi Bandara, Department of Forestry and Environmental Science, University of Sri Jayewardenepura, Sri Lanka</p> <p>Dr. Manipadma Datta, Head, Department of Business Sustainability, TERI University</p> <p>Dr. Sapna Narula, Associate Professor, Department of Business Sustainability, TERI University</p> <p>Rapporteur: Nikita Naidu</p>
1115 – 1330	<p>Parallel Session 4: ‘Sustainable Human Habitats’ Venue: C–306</p> <p>Moderators: Dr. Lakshmi Raghupathy, Former Director, Ministry of Environment & Forests, New Delhi; Adviser, Environment & Waste Management; and Visiting Faculty, TERI University</p> <p>Dr. Ila Gupta, Head, Department of Architecture and Planning, IIT Roorkee</p> <p>Rapporteur: Sourabh Jain</p>
1330 – 1430	Lunch
1430 – 1515	<p>Panel Discussion: ‘Facilitating Research for Sustainable Consumption and Production’ Venue: L–001</p> <p>Panelists: Prof. Nilanthi Bandara, Department of Forestry and Environmental Science, University of Sri Jayewardenepura, Sri Lanka</p> <p>Dr. Lakshmi Raghupathy, Former Director, Ministry of Environment & Forests, New Delhi; Adviser, Environment & Waste Management; and Visiting Faculty, TERI University</p> <p>Ms. Zeenat Niazi, Vice-president & Head - Communications Solutions Branch, Development Alternatives, New Delhi</p>
1515 – 1530	Tea Break

Time	Agenda Item
1530 – 1630	<p>Group discussion: 'Identification of Key Research Priorities on SCP in South Asia' Venue: L-001</p> <p>Moderators: Dr. Chubamenla Jamir; Dr. Ritika Mahajan, Assistant Professor, Dept. of Business Sustainability, TERI University</p>
1630 – 1700	<p>Group presentation</p> <p>Moderator: Dr. Chubamenla Jamir, Assistant Professor, Department of Natural Resources, TERI University; Dr. Ritika Mahajan, Assistant Professor, Department of Business Sustainability, TERI University</p> <p>Concluding remarks: Dr. Lakshmi Raghupathy, Former Director, Ministry of Environment & Forests, New Delhi; Adviser, Environment & Waste Management; and Visiting Faculty TERI University</p> <p>Briefing session: Ms. Mugdha Malik, Research Associate, TERI University</p>

Day 3: October 8, 2016

Venue: WSDS 2016, India Habitat Center, Lodhi Road, New Delhi

Time	Agenda Item
0900 – 1500	Thematic track sessions at WSDS 2016
1515 – 1615	<p>WSDS 2016 Valedictory session Announcement of Prize winners for Best Poster Moderator: Ms. Mugdha Malik, Research Associate, TERI University</p>

Details of Thematic Track Presentations

Time	Agenda Item
1115 – 1330	<p>Parallel Session 1 Venue: L-001</p>
Thematic Track: Policies for Sustainable Development	
1115 – 1130	Harmeet Kaur , India's Trade in Climate Smart Goods and Technologies: Prospects and Opportunities for Sustainable Development, Centre for Economic Studies, Central University of Punjab
1130 – 1145	Janaha Selvaras , Incorporating International Environmental Obligations into Bilateral Investment Treaties, Department of Legal Studies, Faculty of Humanities and Social Sciences, The Open University of Sri Lanka

Time	Agenda Item
Thematic Track: Policies for Sustainable Development	
1145 – 1200	Malani Herath Herath , Managing of Urban Flood Risk with Spatial Planning and the Case Study in Greater Colombo Basin, Department of Civil Engineering, University of Moratuwa
1200 – 1215	Maria Mathew , Menstrual Health Management: A Challenge for Tribal Residential School Girls in Maharashtra, ICPS
1215 – 1230	Mugdha Malik , International Environmental Agreements and Border Tariff Adjustments, University of Bath, UK
1230 – 1250	Q&A Session
1250 – 1315	Concluding remarks
1115 – 1330	Parallel Session 2 Venue: Conference Hall
Thematic Tracks: ‘Climate Change, Human Ecosystem Interactions and Public Health’ and ‘Natural Resources Management’	
1115 - 1130	Gilmore F. G. Momin , Climate Change and Livelihood in Garo Hills, Meghalaya, TERI University
1130 – 1145	Kavya Michael , Class Inequality and Climate Justice in Neo-liberal India, Indian Institute for Human Settlements
1145 – 1200	Supaporn Chaigarun , Highly Hazardous Pesticide Residues in Water and Local Vegetables in Thailand’s Rice Fields, Faculty of Public Health, Ubon Ratchathani Rajabhat University
1200 – 1215	Guruprasad M. R. , State of Environment and Natural Resources, (independent researcher)
1215 – 1230	Megha Jain , Does Sustainable ‘Economic Development Path’ Pair with ‘Climatic Mortification’: Testimony from South Asian Region including Other Developing Nations, Faculty of Management Studies, Delhi University
1230– 1250	Q&A Session
1250 – 1315	Concluding remarks

Time	Agenda Item
1115 – 1330	Parallel Session 3 Venue: Seminar Hall
Thematic Track: Sustainable Food Systems	
1115 – 1130	Diwakar K. C. , Enhancing Food Security through Gravity Goods Ropeways, Lutheran World Foundation, Kathmandu, Nepal
1130 – 1145	P. Ranjith , Consumption Pattern and Nutritional Security Among Food Grain Dominated and Non-food Grain Dominated Production Systems in Tamil Nadu, Center for Agriculture and Rural Development Studies, Tamil Nadu Agricultural University
1145 – 1200	M. Umanath , Econometric Analysis of Determinants of Millets' Consumption Probability and Demand, Department of Agricultural Economics, Centre for Agriculture and Rural Development Studies, Tamil Nadu Agricultural University
Thematic Track: Business and Sustainability	
1200 – 1215	Anand Acharya , An Assessment of Sustainable Consumption and Production Patterns of India's Oil & Natural Gas Industry, Sustainability Core Team, Corporate Planning Department, GAIL (India) Ltd.
1215 – 1230	Himanshu Arora , Commercialization of Bio-CNG: A Sustainable Solution for India's Energy Security, TERI University
1230 – 1250	Q&A Session
1250 – 1300	Concluding remarks
1115 – 1330	Parallel Session 4 Venue: L-102
Thematic Track: Sustainable Human Habitats	
1115 – 1130	Ayoma Witharana , A Sustainable Solution to Problems Encountered in the Management of Fat, Oil and Grease from Food Service Industry Wastewater, Department of Civil Engineering, University of Moratuwa
1130 – 1145	Dharna Tiwari , E-waste Recycling for Resource & Recovery, Amity Institute of Environmental Sciences, Amity University
1145 – 1200	Farheen Bano , Optimization of Energy Efficient Building Envelope for Office Buildings in Lucknow, Faculty of Architecture, Dr. A.P.J. Abdul Kalam Technical University
1200 – 1215	K. Sudhakar , Floatovoltaics: A Step Towards Addressing Water and Energy Sustainability, Energy Centre, Maulana Azad National Institute of Technology Bhopal

Time	Agenda
Thematic Track: Sustainable Human Habitats	
1215 – 1230	Tandin Penjor , Treatment of Gray Water through Phytoremediation, Samtse College of Education
1230 – 1245	Tashi , Biogas As an Alternative Source of Energy in Rural Bhutan, Samtse College of Education
1245 - 1310	Q&A Session
1310 – 1330	Concluding remarks

Poster Presentations

1. **Ankur Saxena**, *Social Entrepreneurship and Sustainable Economic Development of Small and Marginal Farmers in Uttarakhand*. College of Agribusiness Management, G.B. Pant University of Agriculture & Technology.
2. **Arakhita Behera**, *Stakeholders' Green influence on Hotel Industry: An Empirical Analysis from GHMC Star Hotels*. School of Economics, University of Hyderabad.
3. **Archana Sinha**, *Empowerment through Right to Work: Impact and Women's Participation, Women Studies*. Indian Social Institute.
4. **Ayoma Witharana**, *A Sustainable Solution to Problems Encountered in the Management of Fat, Oil and Grease from Food Service Industry Wastewater*. Department of Civil Engineering, University of Moratuwa.
5. **Bishal Goswami**, *SCP Framework for Affordable and Climate Resilient Building Materials and Construction Technologies in Cold Climates of South Asian Region*. The Energy and Resources Institute (TERI), Southern Regional Centre, Bangalore.
6. **Charu Bhanot**, *Landscape Conservation and Integrating Different Modes of Payments for Ecosystem Services in Cardamom Hills Reserve, Idukki District, Kerala, India*. TERI University.
7. **Chetna Chauhan**, *An Assessment and Management of Residues in E-waste Recycling*. TERI University.
8. **Deewanshi Rawat**, *The State of Uttarakhand and the Need of Sustainable Consumption and Production*. IIT Bombay.
9. **Devendra Sikarwar & Soumya Swain**, *Strengthening Rural Communities: A Corporate Insight*. Indian Institute of Management (IIM).
10. **Dharna Tiwari**, *E-waste Recycling for Resource & Recovery*, Amity Institute of Environmental Sciences, Amity University.
11. **Diwakar K. C.**, *Enhancing Food Security through Gravity Goods Ropeways*. LWF.
12. **Farheen Bano**, *Optimization of Energy Efficient Building Envelope for Office Buildings in Lucknow*. Faculty of Architecture, Dr. A.P.J. Abdul Kalam Technical University, Lucknow.

13. **Gilmore F. G. Momin**, *Climate Change and Livelihood in Garo Hills, Meghalaya*. TERI University.
14. **Guruprasad M. R.**, *State of Environment and Natural Resources* (independent researcher)
15. **Harmeet Kaur**, *India's Trade in Climate Smart Goods and Technologies: Prospects and Opportunities for Sustainable Development*. Centre for Economic Studies, Central University of Punjab.
16. **Himanshu Arora**, *Commercialization of Bio-CNG: A Sustainable Solution for India's Energy Security*. TERI University.
17. **Hinotoli V. Sema**, *Frequency Ratio Model for Landslide Susceptibility Zonation Mapping in Part of Kohima Town, Nagaland, India*. Centre for Geoinformatics, Jamsetji Tata School for Disaster Studies, Tata Institute of Social Sciences (TISS).
18. **Janaha Selvaras**, *Incorporating International Environmental Obligations into Bilateral Investment Treaties*. Department of Legal Studies, Faculty of Humanities and Social Sciences, The Open University of Sri Lanka.
19. **Jui Joshi and Rajashree Padmanabhi**, *Planetary Gear Model of City Sustainability*. Centre for Climate Change and Sustainability Studies, Tata Institute of Social Sciences.
20. **K. R. Karunakaran**, *Consumption Pattern and Nutritional Security Among Food Grain Dominated and Non-food Grain Dominated Production Systems in Tamil Nadu*. Center for Agriculture and Rural Development Studies, Tamil Nadu Agricultural University.
21. **K. Sudhakar**, *Floatovoltaics: A Step towards Addressing Water and Energy Sustainability*. Energy Centre, Maulana Azad National Institute of Technology Bhopal.
22. **K.V. Rashmi**, *Utility of DNA Barcoding in Understanding the Taxonomy of Mucuna Species of India – A Potential Underutilized Legume*. Department of Biotechnology, Sri M. Visvesvaraya Institute of Technology.
23. **Kavya Michael**, *Class Inequality and Climate Justice in Neo-liberal India*. Indian Institute for Human Settlements.
24. **Kush Kalra**, *Sustainable Energy for All - Vision, Reality and Solutions*. Delhi Metropolitan Education.
25. **M. Umanath**, *Econometric Analysis of Determinants of Millets' Consumption Probability and Demand*. Department of Agricultural Economics, Centre for Agriculture and Rural Development Studies, Tamil Nadu Agricultural University.
26. **Madhuri Nigam**, *A Comparative Life Cycle Assessment of Carry Bags in India*. University of Delhi.
27. **Malani Herath Herath**, *Managing of Urban Flood Risk with Spatial Planning and the Case Study in Greater Colombo Basin*. Department of Civil Engineering, University of Moratuwa.
28. **Maria Mathew**, *Menstrual Health Management: A Challenge for Tribal Residential School Girls in Maharashtra*. ICPS.
29. **Martemjen Jamir**, *Traditional Knowledge System for Sustainable Development of Biological Diversity: A Naga Experience*. Department of Geography, Nagaland University.
30. **Meena Kapahi**, *Curbing India's Grand Challenges of Sustainable Development with Sustainable Farming*. Department of Mechanical Engineering, Manav Rachna University,
31. **Megha Jain**, *Does Sustainable 'Economic Development Path' Pair with 'Climatic Mortification': Testimony from South Asian Region including Other Developing Nations*. Faculty of Management Studies, Delhi University.

32. **Mugdha Malik**, *International Environmental Agreements and Border Tariff Adjustments*. University of Bath, UK.
33. **P. Ranjith**, *Consumption Patterns and Nutritional Security among Food Grain Dominated and Non-food Grain Dominated Production Systems in Tamil Nadu*. Department of Agricultural Economics, Centre for Agriculture and Rural Development Studies, Tamil Nadu Agricultural University.
34. **Parashram J. Patil**, *Forest Accounting and Sustainability*. The Institute for Natural Resources.
35. **R. Paramasivam**, *Sustainable Fish Consumption Pattern and its Determinants in Rural and Urban India*. Department of Agricultural Economics, Tamil Nadu Agricultural University.
36. **Roderick Wijunamai**, *Food Security and the Current Discourse*. Tata Institute of Social Sciences.
37. **Ruma Arora**, *Sustainable Biomass Production of Microalgae for Food, Feed and Biofuels*. Energy Centre, Maulana Azad National Institute of Technology.
38. **Rupak Kumar**, *Chemical Pollutant-Morpholine: Contribution to Environment and Health*. Department of Biological Sciences, Birla Institute of Technology and Sciences.
39. **Sahaj Kaur**, *Significance of Lichens in Commercial and Economical Aspect of Uttarakhand, India: A Study to Reveal Trade Analysis of Lichens*. TERI University.
40. **Sanjana Malhotra**, *Mobile Phones Take Back Schemes: A Comparative Study of Sustainable Practices in Developed Countries & India*. Manav Rachna University.
41. **Sanjeev Poudel**, *Technology Transfer through Enabling Regulatory Framework and South-South Co-operation for Transiting to Green Sustainable Consumption in LDCs*. Centre for Green Economy Development (CGED).
42. **Shweta Upadhyay**, *Agricultural Water footprint: An indicator for Sustainable Consumption and Production of Freshwater Resources in India*. Institute of Environment & Sustainable Development, Banaras Hindu University.
43. **Sreenath Sukumaran**, *Building Integrated Photovoltaic (BIPV) Systems for Sustainable Buildings in South Asian Countries: A Study*. Energy Centre, Maulana Azad National Institute of Technology.
44. **Sujata Bhaker**, *Assessment of Existing Infrastructure to Meet Bio-Ethanol Blending Mandate in India*. TERI University.
45. **Supaporn Chaigarun**, *Highly Hazardous Pesticide Residues in Water and Local Vegetables in Thailand's Rice Fields*. Faculty of Public Health, Ubon Ratchathani Rajabhat University.
46. **Tandin Penjor**, *Treatment of Gray Water through Phytoremediation*. Samtse College of Education.
47. **Tashi**, *Biogas as an Alternative Source of Energy in Rural Bhutan*. Samtse College of Education.
48. **Urvashi Sirohi**, *From Income Poverty to Energy Poverty: A State-wise Analysis for India*. Department of Economics, University of Lucknow.
49. **Vishakha Sambhav**, *Sustainable Marketing: A Greener Future, Department of Resource Management & Design Application*. Lady Irwin College, University of Delhi.