



Nature Based Solutions for Water Circularity and Sustainability

CDD India & Divecha Centre for Climate Change, IISc, Bengaluru

CONFERENCE AGENDA

Date: 26th Feb, 2025 - 28th Feb, 2025

Venue: Satish Dhawan Auditorium, Indian Institute of Science (IISc), Bengaluru, Karnataka 560012

DAY 1 - INAUGURATION

Session	Facilitator	Timings
Registration		9.30-10.00
Welcome	Ms. Latha Raman Jaigopal, Board Member, CDD India	10.00-10.15
Setting up of Landscape of NBS in Global South, and Felicitation of the Sector Experts, NbS Compendium Launch	Shri. Harshvardhan, CEO, CDD India	10.15-10.45
Application of NbS for cities in Karnataka	Smt. Deepa M, IAS, Secretary to Government, Urban Development Department, Government of Karnataka	10.45-11.00
COFFEE BREAK		11.00-11.15

Note: This is a plastic-free campus. Please refrain from bringing any plastic items.

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DAY 1 - SESSION 1

Session	Distinguished Speaker	Moderator	Panellist	Timings
NATURE BASED and ECO-CENTRIC Approaches to Used Water Management	Mr. Stefan Reuter , Senior WASH Professional, Germany, Executive Director (Ex.) BORDA	Prof. Chanakya HN , Former Professor Indian Institute of Science	Shri V.K. Chaurasia , Joint Advisor CPHEEO, Ministry of Housing and Urban Affairs (MOHUA) Govt. of India	11.15- 13.30
	Mr. Andreas Schmidt , Co- Founder & Managing Director, URBAN Waters Consulting GmbH		Shri Rajiv Batish Chief Engineer Rural, Director WSSO , Mission Director Jal Jeevan Mission Haryana	
	Dr. Nadeem Khalil , Professor Dept. of Civil Engineering, Aligarh Muslim University		Shri. Depinder Kapur , Independent Researcher and Development Expert in WASH and Natural Resource Management	
			Ms. Sakshi Gudwani , Senior Program Officer, Gates Foundation	
			Ms. Natasha Patel , CEO, India Sanitation Coalition (ISC), FICCI	
LUNCH				13.30- 14.15

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DAY 1 - SESSION 2

Session	Distinguished Speaker	Moderator	Panellist	Timings
Nature Based & Ecologically Informed Strategies for Mitigating Urban Flooding and Managing Stormwater.	Dr. V. Thiruppugazh , IAS (Rtd.), Chairperson of the Advisory Committee for Mitigation and Management of Floods in Chennai Metro , (Ex.) Advisor National Disaster Management Authority	Dr. Kapil Gupta , Professor, Department of Civil Engineering, IIT Bombay	Dr. V. Thiruppugazh , IAS (Rtd.), Chairperson of the Advisory Committee for Mitigation and Management of Floods in Chennai Metro , (Ex.) Advisor National Disaster Management Authority	14.15-15.30
	Prof. Vilas Nitivattananon , Professor, Department of Development and Sustainability, Asian Institute of Technology (AIT), Bangkok.		Mr. Joop Stoutjesdijk , Lead Water Resource Specialist, World Bank	
	COFFEE BREAK			15.30-15.45
	Mr. Gunter Langergraber , Senior Scientist, Institute of Sanitary Engineering and Water Pollution Control, University of Natural Resources and Life Sciences Vienna (BOKU University)	Dr. Kapil Gupta , Professor, Department of Civil Engineering, IIT Bombay	Shri. Aman Bhaiya , Vice President, SBI Foundation	15.45-17.45
	Shri. Naresh Narasimhan , Co-Founder MOD Foundation Bangalore		Shri. B. S. Prahlad , Chief Engineer BBMP (Storm Water)	
			Shri. PG Ganapathy , Senior Advisor, CDD India	
	HIGH TEA			17.45

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DAY 2 - SESSION 1

Session	Distinguished Speakers	Moderator	Panelist	Timings
Roadmap Towards Sustainable Management of Groundwater Resource	Shri. Sushil Gupta , Former Chairman, Central Ground Water Board and Central Ground Water Authority	Dr. Dipankar Saha , Member Head quarter (Ex.) Central Ground Water Board, Ministry of Jal Shakti	Shri. Anjum Parvez , Additional Chief Secretary, Rural Development and Panchayat Raj, Govt. of Karnataka	09.30-11.15
	Dr. Himanshu Kulkarni , Scientist Emeritus & Co-founder, ACWADAM		Shri. Joydeep Gupta , India Manager, Earth Journalism Network Internews	
	COFFEE BREAK			11.15-11.30
	Dr. Yogendrasinh Jadeja , Founder, Director and Geo-Hydrologist, Arid Communities and Technology (ACT)	Dr. Dipankar Saha , Member Head quarter (Ex.) Central Ground Water Board, Ministry of Jal Shakti	Shri. Ratnesh Jha , Executive Director, United Nations Global Compact Network India	11.30-13.30
	Shri. Shilp Verma , Senior Researcher & Deputy Country Director IWMI, India		Dr. Mukand Babel , Professor, Water Engineering and Management (WEM) Program and Director of the Centre for Water and Climate Adaptation (CWCA), Asian Institute of Technology (AIT), Bangkok.	
	LUNCH			13.30-14.00

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DAY 2 - SESSION 2

Session	Distinguished Speaker	Moderator	Panellist	Timings
Enhancing Water Quality through Nature Based Solutions: Harnessing Ecosystem Services for Sustainable Water Management	Dr. Elango Lakshmanan , Visiting Faculty, Hydraulics and Water Resources Engineering Group, Department of Civil Engineering, IIT Madras	Prof. Pawan Labhasetwar , Professor of Practice, Department of Civil Engineering, IIT Madras, Former Chief Scientist, CSIR- NEERI	Dr. Kunal Kanti Majumdar , Professor & Medical Superintendent cum Vice Principal, KPC Medical College & Hospital, Kolkata Arsenic Specialist, WHO (SEARO), (Ex.) Consultant, Arsenic Mitigation, UNICEF, Kolkata	14.00-15.30
	Shri. Sunderrajan Krishnan , Executive Director, India Natural Resource Economics and Management (INREM) Foundation		Shri. Aijaz Hussain , Chief Engineer Department of Rural Drinking Water and Sanitation, Govt. of Karnataka	
	Shri. Suneel Rajavaram , Senior Manager, Centre for Affordable Water and Sanitation (CAWST), Canada, & Shri. Lalit Sharma , Principal Scientist Water Research and Training, Sehgal Foundation		Shri. Asad Umar Sector Lead & Director WASH, Health and Nutrition, Aga Khan Foundation	
			Prof. R. Srinivasan , Visiting Professor, Divecha Centre for Climate Change, IISc	
COFFEE BREAK				15.30-15.45

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DAY 2 - SESSION 3

Session	Distinguished Speaker	Moderator	Panellist	Timings
Using Nature Based Solutions to Manage Water Bodies and Wetlands to Enhance Aquatic Ecosystems	Shri. Brijendra Swaroop , Executive Director Projects, National Mission for Clean Ganga (NMCG)	Shri. PG Ganapathy , Senior Advisor, CDD India	Ms. Usha Rajgopalan , Writer, Translator and Lake Conservationist	15.45-17.45
	Prof. Venkatesh Dutta , Professor, School of Earth and Environmental Sciences (SEES), BBAU, Lucknow		Ms. Latha Raman Jaigopal , Co-founder, Head of Projects Inspiration Collective, Kochi	
	Shri. Akash Hingorani , Co- Founder, Principal Architect, Oasis Design Inc.		Ms. Shashikala Iyer , Senior Specialist- Policy & Partnerships, WWF-India	
Closing Address	Shri. Harshvardhan, CEO, CDD India			
HIGH TEA				17.45 Onwards

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DAY 3 - PAPER PRESENTATION

Theme	Author	Presentation Title	time
NATURE BASED and ECO- CENTRIC Approaches to Used Water Management	Prerna Jadhav, Student, Cept University	ECO TOWN PLANNING: A Sustainable Approach to Urban Resilience in Ahmedabad	9.30-9.40
	Kayla Coppens, PhD Student, University of Geneva	Vermifiltration for Domestic Wastewater Treatment Performance Analysis of a Full Scale Treatment Installation and Evaluation of Effluent Reuse for Irrigation	9.45-9.55
	Garakahalli Siddaiah Santhosh, Technical Expert, Wastewater, BORDA- South Asia	Nature-Based Wastewater Treatment for Resilient Communities in Himalayan Region: A Demonstration Project at the District Police Line, Leh	10.00-10.10
	Byrareddy H V , Engineer Intern, CDD India	Enhancing the Quality of Faecal Sludge-Based Inputs through Nature-Based Solutions for Sustainable Agriculture	10.15-10.25
	Girija Ramakrishna , Research Scholar, IISc	Faecal Sludge Quality Criteria to Inform a Regulatory Framework for Safe Application in India: A Comprehensive Review of Global Regulations	10.30-10.40
	Nikhilesh Kumar, CEO, CO-Founder, Vassar Labs	Driving Climate Resilient Water Security with Digital Solutions	10.45-10.55
	Kumar Sonu, Senior Project Engineer, IIT Kanpur	A ceramic membrane developed from wheat husks for a microbial desalination cell	11.00-11.10

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DAY 3 - PAPER PRESENTATION

Theme	Author	Presentation Title	time
NATURE BASED and ECO-CENTRIC Approaches to Used Water Management	Meghana P, Program Engineer , CDD India	Evaluating the Effluent Quality from Faecal Sludge Treatment Plants: Performance Assessment Study in India	11.15-11.25
	Refreshment Break		11.30-11.45
	Vinaya P, Engineer Intern, CDD India	Best Management Practices for Faecal Sludge Application in Agriculture	11.50-12.00
	Meghana P, Program Engineer , CDD India	Evaluating the Phosphorus Removal Efficiency of Different Plant Species in Constructed Wetlands	12.05-12.15
	Samrat Gupta,Water For People India	Circular Economy for Sustainable Faecal Sludge Management in Rural India	12.20-12.30
Nature Based & Ecologically Informed Strategies for Mitigating Urban Flooding and Managing Stormwater.	Migash M, Student, Indian Institute of Engineering Science & Technology, Shibpur	Implementation of Nature Based Solutions to Mitigate the Effect of Urbanization on Blue Infrastructure - a Casestudy of Chennai	12.35-12.45
	Harsimran Kaur, Assistant Professor, IIT BHU	Re-imagining the Nature of Blue-Green in Cities a Multi-Disciplinary Ecosystem-Based Approach Towards Water Secure and Flood Resilient Cities: A Case Study of Varanasi	12.50-13.00
	M.Anusha, Project Assistant, WASH Institute	Planning Strategies for Blue Green Infrastructure for Mitigating Urban Flood and Sustainable Water Management -A Case of Chennai	13.05-13.15

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DAY 3 - PAPER PRESENTATION

Theme	Author	Presentation Title	time
Roadmap Towards Sustainable Management of Groundwater Resource	Lunch		13.20-14.00
	Gracy Hepzibah David , Assistant Professor, Acharya's NRV School of Architecture	Learning from Ancient Water Structure Design Case of Sinodia, Rajasthan, India - A Sustainable Approach	14.05-14.15
	Sahadev G , Geophysicist, Art of Living	Mitigation of Groundwater Exploitation through Managed Aquifer Recharge and Rainwater harvesting: A Case Study of Uttanuru Mini Watershed In Palar Basin, Kolar District. Karnataka	14.20-14.30
	Suvajit Dey , Program Officer, Hill Forum, NIUA	A Quick Method for the Decision Makers to Identify and Manage Potential Groundwater Recharge Zones – A case study for the Semi-Arid Girna River Basin, Maharashtra, India, Using Bivariate Matrix and GIS-based Analytical Hierarchical Process (AHP) Technique	14.35-14.45
	Yaamini R , Student, CEPT University	Varsha Sanchay Yojana - Rainwater Harvesting Management plan	14.50-15.00
	B J Giridhar , Assistant Professor, GFGC, Department of Collegiate Education, Hangal, Karnataka	Impact of Rainwater Harvesting in Farm Ponds and Groundwater Conjunctive Use: Empirical Insights from Semi-Arid Regions of India	15.05-15.15

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Theme	Author	Presentation Title	time
Roadmap Towards Sustainable Management of Groundwater Resource	Amitava Roy , Manav Rachna International Institute of Research & Studies, Faridabad	The challenges and options towards optimal management of fresh water use in oil/gas upstream industry and safe disposal of effluents	15.20-15.30
	Asmita Saha , WaterAid India	Governing the Invisible: Data-Driven Community Centric Strategies for Rural Groundwater Sustainability in India	15.35-15-45
Refreshment Break			15-45-16.00
Enhancing Water Quality through Nature Based Solutions: Harnessing Ecosystem Services for Sustainable Water Management	Harsh Mahato , Student, NICMAR University	Addressing Water Circularity and Sustainability Challenges in Mining-affected Areas and Chemical Agriculture of Jharkhand Through Nature-based Solutions	16.05-16.15
	Chakkarabani D , Student, School of Planning and Architecture, Bhopal	Revitalization of Uyyakondan Canal Through Integrated Urban Landscape Development in Trichy	16.20-16.30
	Dr. Karishma Maheshwari , Research Associate, Manipal University, Jaipur	Integrated Microalgae-Solar evaporator System: A Circular Economy Approach to Sustainable RO Reject Water Treatment	16.35-16.45
Using Nature Based Solutions to Manage Water Bodies and Wetlands to Enhance Aquatic Ecosystems	Sminu TV , Manipal Academy of Higher Education	Framework for Urban Aquatic Ecosystem Restoration Using Constructed Wetland: Linking Ecology, Economy, and Society	16.50-17.00

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