

GSAC WASH and Climate 2025 - Technical sessions - Verbal Presenters - Day 1

Day	Themes	Sno.	Name of Presenter	Topic
Day-1	1.1 Monitoring WASH outcomes	1	Dhwani Sheth , Jay Shah, CWAS-CRDF-CEPT University	Monitoring Climate Adaptation and Mitigation in WASH: Integrating with PAS
		2	Jane Thomas K, BORDA SA	Changing Climate Impacts on Small Town WASH - A local perspective of Chintamani
		3	Kailash Karthik N, Jal Jeevan Mission, Assam	Tech-Enabled Governance: Scaling Inclusive and Sustainable Water Ecosystems through the Jal Jeevan Mission in Assam
		4	Mohith Gowda D M, International Innovation Corps	Intersectoral collaboration for the implementation of localized, climate-resilient WASH strategies in Karnataka: A research proposal
		5	Anil Aryal, International Water Management Institute	Improving the resiliency of WASH systems under climate and social change in the global south
Day-1	2.1 Governance and finance for climate resilient WASH	1	Saubiya Suresh, Upasana Yadav, CWAS-CRDF-CEPT University	Innovative Finance for WASH services- Green Bonds and Creditworthiness assessment of Indian ULBs
		2	Md Habibur Rahman, Islamic Development Bank (IsDB)	(Virtual)Financial Strategy for Inclusive Onsite Sanitation in Low-Income Communities in Urban Centers of Bangladesh
		3	Himanshu Chandra, Department of Urban & Regional Planning SPA Bhopal	Governance for Inclusive and Climate-Resilient WASH: A Study of Uttar Pradesh
		4	Shiny Saha, IRC International Water and Sanitation Centre, The Netherlands	Small and micro entrepreneurs in peri-urban and rural water service delivery: Prospects & Challenges in Bangladesh and beyond
		5	Xerxes Rao/ Meghna Malhotra, Urban Management Centre	Sustainable Water Governance and Climate Resilience Through Community Leadership: Insights from Odisha's Jalsathi Model + Engagement of Urban SHGs in WASH, Strengthening Urban Livelihood and Adaptive Social Protection
Day-1	3.1 Inclusive and climate resilient water systems	1	Chirag Patel, Jinal Chheda, CWAS- CRDF-CEPT University	Inclusive rural water supply services in Maharashtra
		2	Anand Gautam, WaterAid Nepal	Drinking Water Governance, Management Efficiency, GESI Integration, and Sustainability Strategies: A Case Study of 63 WSUCs in Godawari Municipality
		3	Suvajit Dey, National Institute of Urban Affairs	Exploring Water Scarcity from the Lens of Water Governance in the Ridge Town of the Himalayas: From Colonial Legacy to Contemporary Challenges and Future Prospects of Darjeeling
		4	Anurag Anthony, Urban Management Centre	Building Resilience: Integrating WASH and Vulnerable Communities into City Climate Action Plans, Case of Chennai
		5	Patrick Mailu, Small water service providers association of Kenya	Community intervention in the management of water services

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Day-1	3.2 Inclusive and climate resilient sanitation systems	1	Tanya Ahmed, National Institute of Urban Affairs (NIUA)	Integrating Gender Equality and Social Inclusion into Uttarakhand's Sanitation Journey: Aspirational Toilets for Climate-Resilient WASH for All
		2	HariPrasad V M, IIT Bombay	Bridging Gaps: Climate Change, Sanitation Workers, and Resilience in Off-Grid Communities
		3	Shruti Joshi, RCUES of AILSG, Mumbai	Localizing Plastic Action and Achieving Circularity through Youth, Children and Communities as Agents of Change
		4	Samira Shakya, Freshwater Action Network South Asia	Community-Driven Participatory Monitoring for Safely Managed Sanitation Services: FANSA's[1] Experience on an Inclusive Approach to Strengthen Accountability
		5	Sanghmitra A Acharya, Jawaharlal Nehru University, New Delhi	Unpacking the drivers of poly-crisis- A Case of WASH Service providers
Day-1	4.1 Innovations in technology and water service delivery	1	Priyadarshini Choudhary, Dipti Tanna, CWAS, CRDF, CEPT University	Innovative approaches for making cities water secure in Arid regions of Gujarat
		2	Chetana Raghavendran, CIANKI Associates	Rejuvenation of Water Tanks for Ecological and Socio-Economic Resilience in Kumbakonam
		3	Ayushi Biswas, Biome Environmental Trust	Managed aquifer recharge using rainwater and treated used water for domestic water supply for a small town,
		4	Mostafizur Rahman, Global Water & Sanitation Center	Sustainable Water Resource Management for Vulnerable Populations: Addressing Water Scarcity and Climate Resilience in Southern Bangladesh
		5	G Ramkumar, RWH - Eco Terrain based Solutions	Distributed Rain Water Harvesting (RWH) Nature Based –Shallow Aquifer Recharge – Use of Graded Gravel Pits (GGPs)
		6	Tushar Bose, CEPT University	Teaching Water Supply and Sanitation Design in Engineering: A Pedagogical Experiment

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Day	Themes	Sno.	Name of Presenter	Topic
Day 2	1.2 Monitoring emissions in WASH	1	Jigisha Jaiswal, Aditi Dwivedi, CWAS-CRDF-CEPT	Approaches towards mitigating methane from India's water and wastewater systems
		2	Maqsuda Akter, Bangladesh University of Engineering and Technology	(Virtual)ASSESSMENT OF METHANE EMISSION FROM PIT LATRINES IN BANGLADESH CONSIDERING HYDROLOGICAL VARIATIONS
		3	Rwitwik Sinha, BORDA South Asia	Emerging Trends in WASH Related GHG Emissions Across Small Towns in South Asia,
		4	Pablo Morales-Rico, Center for Research and advanced studies of the National Polytechnic Institute	Beyond Tier 1 Estimations: The Urgent Need for Direct GHG Measurements in WWTPs a case study in Mexico for the global south
		5	Mahi Patel/ Hetkumar Mahendrabhai Parmar, Silver Oak University/ Indira Gandhi National Open University (IGNOU)	Assessing the Climate Resilience of Urban WASH Systems through Remote Sensing, GIS, and Land Surface Temperature Analysis + Mapping Climate Vulnerabilities of Urban Water, Sanitation, and Hygiene (WASH) Systems with GIS and Remote Sensing
Day-2	2.2 Governance for climate resilient WASH	1	Dr. Ganga Datta Nepal, Provincial Policy and Planning Commission, Hetauda, Makawanpur, Nepal	Climate Change Induced Water Disasters in Nepal
		2	Mehrnaz Amiraslani, Nirma University	Ecological Planning and Design for Peripheral Urban Waterbodies: A Case of Ahmedabad City
		3	Dr. Dhaarna, NICMAR University, Pune	Water-Energy-Food Nexus Governance in India addressing farmers' inclusivity and climate impacts
		4	Akhilesh Ramesh, WASH Institute	A study on Climate-Resilient WASH in disasters: Addressing Gaps in Disaster Waste Management in Kerala, India
		5	Shilpi Srivastava, Institute of Development Studies, UK	Exploring the climate-sanitation nexus in rapidly urbanising towns in Asia and Africa: a climate justice perspective
Day-2	Inclusive and climate resilient WASH in slums	1	Kasturi Joshi , Gautamee Sayamwar; CWAS-CRDF-CEPT	Inclusive WASH in Maharashtra for vulnerable populations
		2	Shreya Pillai	Understanding Community based Usage of Water and Sanitation (WASH) in Informal Settlements in Bengaluru, India,
		3	Sheela Patel, Society for Promotion of Area Resource Centres (SPARC)	Designing as Though Retrofitting: A Bottom-Up Approach to Informal Settlements in the Global South,
		4	Anil Kumar Roy, CEPT University	WASH Conditions and Public Health Status in Slums of Ahmedabad
		5	Abhilaasha N, Indian Institute for Human Settlements	Bridging Sanitation Gaps in Chennai: Inclusive Solutions for Climate-Resilient Urban Poor Communities,
		6	Shiny Saha, IRC WASH	Gender Equity and Social Inclusion at the center of system strengthening

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Day-2	4.2. Innovations in technology and sanitation service delivery	1	Omkar Kane , Arwa Bharmal, CWAS-CRDF-CEPT	Moving towards Climate resilient WASH services through energy audit and solar infrastructure
		2	Deepchandra Joshi, Indian Institute of Technology Madras	Sustainable Management of Emerging Contaminants in Wastewater: Monitoring, Governance, and Advanced Treatment Technologies in the Global South
		3	Alison Parker, Cranfield University	(Virtual)Resilience of Container Based Sanitation
		4	Celestin DEFO, University of Ebolowa	Unveiling the Potentials of the plant Panicum maximum in vertical subsurface flow constructed wetland in a humid urban sub-Saharan environment,
		5	Sagar Patil, RCUES of AILSG, Mumbai	Optimisation of Existing Resources for Sustainability of Used Water Management in Maharashtra through Urban Rural Convergence and upgradation of existing facilities
		6	Sruthi Pillai, Indian Institute of Technology Bombay	Integrating Institution Building and WASH Interventions: Lessons from a Network Governance Initiative for Sanitation in Kerala

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S No.	Topic	Presenting author	Organization
1	Status of water, sanitation and hygiene in the Nepalese context	Manisha Maharjan	Center of Research for Environment Energy and Water
2	Urban Storm Water Management: Quantifying Stormwater Reuse Potential in Darjeeling	Suvajit Dey	National Institute of Urban Affairs
3	Improving Faecal Sludge Treatment in Nepal: Plant Performance and Management Insights.	Buddha Bajracharya	Environment and Public Health Organization (ENPHO)
4	Trend and Pattern of Access to Sanitation Services in Rural Area Among the Major States in India.	DURYODHAN MUDULI	Institute For Social And Economic Change, Bangalore
5	Mapping the Global Research Landscape on Safely Managed Sanitation: A Bibliometric Analysis	Nana Koba Bonso	University for Development Studies
6	Assessing Public Toilet Facilities in Kerala: Establishing Baseline Data for Improved Service Provision	Devika Hemalatha Devi	WASH Institute
7	Enhancing Community Engagement in the NAMASTE Enumeration Process in Kerala	Devika Hemalatha Devi	WASH Institute
8	Water Diaries: Using Oral Histories to Document Women's Experiences of Water Scarcity in Mumbai Suburbs	Neda Parvin Shaikh	Christ (deemed to be) University
9	Engaging health facility staff on national standards raises WASH standards	Keshab Shrestha	Environment and Public Health Organization (ENPHO)
10	Digital system integration for enhanced monitoring and decision-making	Gaurav Kushwaha, Jayshree Bhingardev	CWAS, CRDF, CEPT University
11	Driving Gujarat Towards Net Zero: EV Adaptation as a Strategic Response to Climate Change and Carbon Credit Opportunities	Manan Pathak	Gujarat Energy Research and Management Institute, Gandhinagar
12	Rejuvenation of Traditional Stone Spouts ('Hitis') for Climate-Resilient Urban Water Management	Lasata Manandhar	Environment and Public Health Organization (ENPHO)
13	"Governance, Behavior, and Public-Private Partnerships in Sustainable Solid Waste Management: Insights from Darjeeling	Harshvardhan Nigam	National Institute of Urban Affairs
14	Parametric Assessment of Water-Energy-Food Nexus of India	Neha G. Patil	NICMAR University
15	People's Perception On Climate Change In Gorkha District	Injaya Kumar Manandhar	Nepal Bureau of Standards and Metrology

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16	Advancing towards Inclusive and Climate-Resilient WaSH for Vulnerable Urban Communities in India: The Case of Ahmedabad and Surat	Ayushi Goyal	CEPT University
17	Caste, Climate, and Sanitation: Analysing Film and WASH through an Intersectional Lens	Jaya Yadav	Bharati College, University of Delhi
18	Coordination Among Government Tiers for Safely Managed Sanitation in Nepal : How local government can sustainably operate a large scale wastewater treatment plant built by Federal Government	Suman Dhun Shrestha	Intellectuals Center
19	Understanding the Accessibility Challenges in Urban sanitation for People with Disabilities in India	Seema Kumari	North Eastern Hill University
20	Deciphering Policy processes of climate resilient Faecal sludge management in Odisha	Baksheesh Sachar	Government of Arunachal Pradesh
21	Designing a Competency Framework for Water Governance	Kapil Dhabu	International Innovation Corps
22	The Need for Climate-Responsive PPEs for Sanitation Workers: Insights from Odisha's Successful Garima Intervention	Rashmita Patel	Urban Management Centre
23	Study on perception of sewer systems vs septic tank systems in Maradu Municipality of Kerala	Akhilesh Ramesh	WASH Institute
24	Used water Management Strategies for Kerala: Case study of 10 towns from Kerala	Sheik Mohammed Shibl A	WASH Institute
25	Climate Change Interaction with Urban Water Cycles: A Water-Energy-Climate Nexus Perspective for WASH Governance	Ashish Dangi	ADCPS, IIT Bombay
26	Analysing the Scaling up of Climate Resilient Non-Conventional Sanitation Solution in Maharashtra	Paresh Chhajed-Picha	Indian Institute of Technology Bombay
27	Sanitation on the edge - Choices in slums amid climate extremes and urban vulnerabilities	Siddhi Mehta	Society for Promotion of Area Resource Centers (SPARC)
28	A Case for Mainstreaming Valuation of Ecosystem Services in the Urban Sector	Saurabh Popli	School of Planning and Architecture, Bhopal
29	Climate resilient sanitation services in cities of Maharashtra	Bhushan Tawlare, Arfaat Attar, Aadarsh Dalavi, Snehal Bhosle	CWAS, CRDF, CEPT University
30	Climate resilient water services in rural Maharashtra	Harish Dhiwar, Raju Kothangire, Shivani Parkhi, Vishal Jadhav	CWAS, CRDF, CEPT University

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31	Capacity building efforts to achieve inclusive sanitation and water security	Devanshi Shah, Viral Chauhan, Apoorva Bhate	CWAS, CRDF, CEPT University
32	Enhancing Sustainability of- Rural Water Supply in Sri Lanka's Plantation Sector: The Role of Estate Worker Housing Cooperative Societies (EWHCS) as Community-Based Organizations	Tharika Fernando	World Vision Lanka
33	Waste waterscape inducing inequalities Informal areas: A Case of NCT Delhi	Ankush	School of Planning and Architecture, New Delhi
34	GHG emissions in sanitation- calculations, monitoring and satellite imaging	Karan Patil, Aishwarya Makwana	CWAS, CRDF, CEPT University
35	Lease Financing Mechanism For Scaling Up- Small And Medium Sanitation Enterprises For Expansion Of Pit Emptying Service Delivery In Low Income Areas Of Lusaka: Perspectives From Lusaka, Zambia	Pride Kafwembe	Lusaka Water Supply and Sanitation Company
36	Investment in WASH Sector in South Asia: A Review from FANSA's lens	Prajina Maharjan	Freshwater Action Network South Asia (FANSA)
37	Financing Climate-Resilient Urban Water Reuse Infrastructure: A Strategic Framework for Sustainable Water Management	Harshini Gumudavelly	School of planning and architecture, Vijayawada
38	Urban Rural Convergence in FSSM: A case of Gandhidham and Anjar	Jacob Abraham	WASH Institute
39	Safe Management of Faecal Sludge using enhanced drying on drying beds	Chanda Mulundu	Lusaka Water Supply And Sanitation Company
40	Kinetics Of Chemical Oxygen Demand (Cod) Removal Of Anaerobic Baffle Reactor At Wastewater Treatment Plant	Manita Rai	Kathmandu University
41	Exploring Safe Utilization of Sludge of Wastewater Treatment plant for Resource Recovery	Dhundi Raj Pathak	Center of Research for Environment, Energy and Water (CREEW)
42	Evidence Based Decision Support Tool For Implementing IWRM At Schools	Priyanka Jamwal	ATREE
43	The Effluent Diversion Unit	Bara Wahbeh	AKYAS Environmental Organization
44	The Case Study of Moradabad Amrit Sarovar	Madhukar Swayambhu	Vaidic Srijan LLP
45	Feecal Sludge Treatment by Vermicomposting Technology	Theogene RUSATIRA	Movimento Lotta alla Fame nel Mondo (MLFM Rwanda)

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46	Standardization of Septic Tanks in Mahalaxmi Municipality: A Sustainable Approach to Wastewater Management	Rabindra Upreti	Mahalaxmi Municipality Lalitpur Government of Nepal
47	Exploring Trends and Technological Innovations in WASH Services: Discussing Challenges and Strategies for Improvement	Shivani Parkhi	CWAS, CRDF, CEPT University
48	Analysis the temporal change in River trajectory	Nishi Patel	CEPT University
49	WASH Innovations in Action: Modern Public Toilets as Catalysts for Inclusivity and Urban Comfort	Santosh Dahal	Environment and Public Health Organization (ENPHO)
50	sustainable management of toilet	Mangesh Sonwane	Tata instiitute of social science Mumbai
51	Maximising Capacity Utilisation in Waste Management Practices	Chandrima Dutta Majumder	IPE Global Ltd
52	From Tanks to Treatment: Private Sector Redefining Sanitation Services	Krity Bajracharya	Environment and Public Health Organization (ENPHO)
53	Towards Citywide Inclusive Sanitation: Engineering design and testing of a novel faecal sludge treatment facility for South Africa – A Case Study approach	Mendy Zibuyile Shoji	Bremen Overseas Research and Development Association (BORDA) South Africa
54	Feasibility for Omniprocessor establishment in Muttathara Sewage Treatment Plant for sludge management, Thiruvananthapuram, Kerala	Sheik Mohammed Shibl A	Water, Sanitation and Hygiene Institute
55	NBS for Waterbody Rejuvenation of Pavi Sadakpur Pond, Loni, Ghaziabad, Uttar Pradesh	Shekhar Ramachandran	Jalchakra Innovations LLP
56	AquaWISE: A Decision Support Tool for Greywater Treatment Solutions in Government Schools in Semi-Arid India	Durba Biswas	ATREE (Ashoka Trust for Research in Ecology and the Environment)
57	Desludging fee Calculator for the State of Uttarakhand	Sachin Sahani	National Institute of Urban Affairs
58	Modeling the Impact of the 2024 Flood Event in Vadodara	Jenish Kathiriya	CEPT University
59	Innovative and good practices in SWM and wastewater management	Viral, Devanshi, Sagar, Mayuri	CWAS, CRDF, CEPT University