

Global South Academic Conclave

WASH and Climate Linkages

CWAS
CENTER
FOR WATER
AND SANITATION
CRDF
CEPT RESEARCH
AND DEVELOPMENT
FOUNDATION

BILL & MELINDA
GATES foundation

CEPT
UNIVERSITY
FACULTY
OF PLANNING

Detailed Programme



Day 1: 2nd February, 2024

Time (IST)	Sessions
8:00 – 9:00	Registration
9:00 – 9:45 Venue: BNB Hall	Inaugural session <ul style="list-style-type: none">Dinesh Mehta, Center Head, CWAS, CRDF, CEPT UniversityMeera Mehta, Center Head, CWAS, CRDF, CEPT UniversityMona Iyer, Dean, Faculty of Planning, CEPT UniversityRoshan Shreshtha, Deputy Director-WASH, BMGFSuren Vakil, Vice-Chairperson, CRDF, CEPT UniversityBarjor Mehta, President, CEPT University
9:45 – 10:30 Venue: BNB Hall	Keynote address 1 Chair: Meera Mehta (CWAS, CRDF, CEPT University) <ul style="list-style-type: none">Brian Arbogast (BMGF)
10:30 – 11:00	Tea, networking and exhibition gallery
11:00 – 12:30 Venue: BNB Hall	High level panel discussion on policies and financing Moderator: Dinesh Mehta (CWAS, CRDF, CEPT University) <ul style="list-style-type: none">Barjor Mehta (CEPT University)Sheela Patel (SPARC)Roshan Shreshtha (BMGF)Punit Lalbhai (Arvind Ltd)Sujatha Srikumar (Powertech)Meera Mehta (CWAS, CRDF, CEPT University)
12:30 – 13:30	Lunch and exhibition gallery
13:30 – 15:00 Venue: BNB Hall	Keynote address 2 Chair: Shalini Sinha (Faculty of Planning, CEPT University) <ul style="list-style-type: none">Aromar Revi (IIHS) Keynote address 3 Chair: Darshan Parikh (CRDF, CEPT University) <ul style="list-style-type: none">Barbara Evans (LEEDS)
15:15 – 17:00	Technical sessions
Technical Session 1	Chair: Anil Roy (Faculty of Planning, CEPT University)
WASH policies, Governance and Financing in Global South Venue: CFP 202	Policy environment in Nepal for building climate resilience in on-site sanitation Anjali Manandhar Sherpa University of Bristol Global south water sensitive cities framework Depinder Kapur Centre for Science and Environment (CSE) Developing the rationale for climate resilient WASH services through a multistakeholder dialogue (virtual) Ricard Giné Garriga Stockholm International Water Institute (SIWI) Modeling blended financing with output-based aid to build climate-resilient toilets for entrepreneurial poor households Elmira Bacatan UNICEF WASH as an adaptation strategy to climate change - role of service provider Sanghmitra Acharya Jawaharlal Nehru University (JNU), New Delhi

Time (IST)	Sessions
<p>Technical Session 2</p> <p>Mitigation and adaption in WASH services for climate resilience</p> <p>Venue: CFP 203</p>	<p>Chair: Rutul Joshi (Faculty of Planning, CEPT University)</p> <p>Climate resilient WASH infrastructure in indian cities- A case of Kochi, Kerala Clinson Chacko CDD India</p> <p>Identification of systemic challenges in sustainable WASH service delivery in 4 climate hotspots of Bangladesh Digbijoy Dey IRC</p> <p>Climate sensitive nature based solutions for faecal sludge management across Maharashtra Gautamee Sayamvar and Chirag Patel CWAS, CRDF, CEPT University</p> <p>Water sanitation and hygiene (WASH) services: climate change mitigation and adaptation practices in Nepal Ganga Datta Nepal Bindo Nepal Smriti Foundation (BNSF)</p> <p>Integrated climate resilience in WASH services: A comprehensive analysis of mitigation and adaptation strategies within government flagship programs- A case of coastal region of Odisha Amita Pathria WaterAid India</p> <p>Planning for cyclone resilient urban water supply system of Baruipur, West Bengal (virtual) Subhagata Mukhopadhyay Hiroshima University</p> <p>Investigating flood-resilient sanitation solutions for the northern division, Kabale municipality, Uganda. (Virtual) Shirish Singh IHE Delft Institute for Water Education</p>
<p>Technical Session 3</p> <p>Last mile connectivity for wash services in slums and low-income neighborhoods for climate resilience</p> <p>Venue: CFP 302</p>	<p>Chair: Melissa Smith (Faculty of Planning, CEPT University)</p> <p>Climate-resilient WASH interventions in urban slums: enhancing adaptive capacity and community well-being in Bhubaneswar, Odisha Rajib Das and Samir Ranjan Dash Centre for Advocacy and Research (CFAR), New Delhi</p> <p>Last mile connectivity for urban water supply services for achieving climate resilience Saubiya Sareshwala and Jigisha Jaiswal CWAS, CRDF, CEPT University</p> <p>Accelerating the climate resilient sanitation - A case of dal dwellers (Srinagar) Himanshu Satvi Ernst And Young</p> <p>Assessment of water supply and sanitation infrastructures in urban environment of cameroon and perspectives under looming climate conditions. Case study of the city of Kumba, Meme division, Southwest region of Cameroon Celestin Defo Higher Institute of Agriculture, Forestry, Water and Environment, University of Ebolowa, Cameroon</p> <p>Navigating the nexus: intersections of sanitation services, fragile environments, and climate change in Alleppey town, Kerala Hariprasad V M IIT Bombay</p>
<p>Technical Session 4</p> <p>Strengthening role of women in WASH - climate service delivery</p> <p>Venue: CFP 303</p>	<p>Chair: Sejal Patel (Faculty of Planning, CEPT University)</p> <p>Promoting gender equity and social inclusion in climate resilient WASH through women-led community based groups: A participatory study Anju Dwivedi Global Water and Sanitation Centre</p> <p>Harnessing the strength of self-help groups for sustainable WASH in the face of climate change Kasturi Joshi, Jinal Chheda and Arfat Attar CWAS, CRDF, CEPT University</p> <p>Empowerment of women and transgender SHGs through the provision of livelihood opportunities through decentralised FSSM model Durgesh Nandini Sahoo HUD department, Govt of Odisha</p> <p>Last mile service delivery through the women collectives Xerxes Rao Urban Management Centre (UMC)</p> <p>Women and water in Indian culture: nurturers, connectors, and custodians Afreen Fatima and Sharayu Gangurde SPA Bhopal</p> <p>Impact of commercial determinants in menstrual disposal practices in adolescent girls in rural areas of Gujarat Sandhya Sreekumar Maharashtra Institute of Technology World Peace University (MIT WPU)</p>
<p>17:00 – 17:30</p>	<p>Tea, networking and exhibition gallery</p>

Time (IST)	Sessions
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17:30 – 19:00	Partner Sessions
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Partner Session 1 Concepts and perspectives: framework for water wise and sanitation secure resilient cities Venue: CFP 202 Session Partners: IWA-CWAS	Partner Session 2 Transformative tech: scaling success in sanitation workers' safety and dignity through digital innovations Venue: CFP 203 Session Partners: Urban Management Center	Partner Session 3 Academia roundtable on WASH and climate linkages: content, pedagogy and its relevance to urban practice Venue: CFP 303 Session Partners: Faculty of Planning, CEPT University	Technical poster session 1 Venue: CFP Basement Chairs: Rutul Joshi, Subhrangsu Goswami and Mansi Shah
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Details of Technical Poster Session 1

- P1.1** [Water resource management towards achieving land degradation neutrality - a case of Belagavi district, Karnataka](#) | Karan K | Environmental design solutions, Delhi
- P1.2** [Climate-resilient sanitation infrastructure: unravelling linkages, adaptation, and mitigation strategies in Maharashtra, India](#) | Manish Kulkarni | Center for Water and Sanitation, CRDF, CEPT University
- P1.3** [Climate challenges and resilient WASH services: A study of flood susceptibility in South Goa](#) | Harshini Gumudavelly | School of Planning and Architecture, Vijayawada
- P1.4** [Robotics adaption in WASH](#) | Navin Sharma | Arc Robotics (Driblet Private Limited)
- P1.5** [Water sensitive development plan- case of Surat](#) | Smita Hake | CEPT University
- P1.6** [Action plan for FSSM: testing CWIS plan in pilgrim town of Ambaji](#) | Viraj Joshi | Environmental Management Centre Pvt. Ltd.
- P1.7** [Revitalizing water management: assessing the state of water metering policies across Indian water utilities](#) | Rohini Srivyshnavi Korlakunta | Kritsnam technologies
- P1.8** [Strengthening women tailors for enhancing menstrual health and hygiene services](#) | Keshab Shreshtha | Environment and Public Health Organization
- P1.9** [Breaking barriers: Faridpur municipality's transformative role in advancing women empowerment through city-wide inclusive sanitation](#) | Tazrina Ananya | International Training Network Centre Of Bangladesh University Of Engineering And Technology
- P1.10** [Impact of commercial determinants in menstrual disposal practices in adolescent girls in rural areas of Gujarat](#) | Supriya Poduval Pal | Pandit Deendayal Energy University
- P1.11** [Recognizing and empowering women for enhancing the urban environment by embracing an inclusive and climate resilient approach to sanitation](#) | Ninad Deshpande and Omkar Kane | Center for Water and Sanitation, CRDF, CEPT University
- P1.12** [Reviewing climate resilience in water, sanitation and hygiene services- mitigation and adaptation](#) | Sakshi Sahni | Guru Nanak Dev University Amritsar
- P1.13** [Smart review for smart solutions for sanitation revolution](#) | Mansoor Fall | Bill and Melinda Gates Foundation
- P1.14** [Enhancing the monitoring mechanism for WASH in institutions \(focusing on schools\) and communities with a specific emphasis on climate resilience in the coastal region of Odisha](#) | Arjun K | Water Aid India
- P1.15** [Chintamani water balance: comprehensive tool for climate-resilient water management in small town](#) | Sapna Manjunath | BORDA

Day 2: 3rd February, 2024

Time (IST)	Sessions
9:00 – 10:30 Venue: BNB Hall	Keynote address 4 & Keynote address 5 Chair: Jignesh Mehta (Faculty of Planning, CEPT University) <ul style="list-style-type: none">• Kala Vairavamoorthy (IWA)• Thamarat Koottatep (AIT)
10:30 – 10:45 Venue: BNB Hall	NFSSM Alliance Moderator: Parnasha Banerjee (Dasra)
10:45 – 11:00	Tea, networking and exhibition gallery
11:00 – 12:45	Technical sessions
Technical session 5	Chair: Neelima Thota (BMGF)
WASH policies, governance and financing in global south Venue: CFP 202	Introducing non sewerred sanitation sensitive spatial planning and design towards climate adaptation Jayant Bhagwan Water Research Commission Enabling integrated urban water management in Indian cities through statutory , regulatory and administrative frameworks case of Mumbai, Maharashtra Sayantani Sikdar Centre for Policy Research Innovative financing mechanisms for climate resilient WASH services Upasana Yadav and Saubiya Sarehwala CWAS, CRDF, CEPT University Driving safety and dignity of sanitation workers in urban India: NAMASTE's vision Meghna Malhotra Urban Management Centre (UMC) Financial strategy for sustainable climate resilient WASH services in coastal primary schools in Bangladesh Md Habibur Rahman Water & Sanitation for the Urban Poor (WSUP)
Technical session 6	Chair: Ravi Sannabhadti (Faculty of Planning, CEPT University)
Mitigation and adaption in WASH services for climate resilience Venue: CFP 203	Addressing climate vulnerability in Nepal through resilient inclusive WASH systems Anil Aryal Water International Water Management Institute (IWMI) Positive environmental outcomes of Odisha's climate-resilient FSSM interventions Sangarmjit Nayak HUD department, Govt of Odisha Climate responsive WASH initiatives in small and medium towns in India Arwa Bharmal and Priyadarshini Choudhary CWAS, CRDF, CEPT University Participatory aquifer management and alternative approach to sustain urban water supply - case studies from cities of Gujarat, India Yogesh Jadeja Arid Communities and Technologies Climate resilient approach to sanitation service delivery: A case study of the Ethekwini Municipality, Durban, South Africa Anthony Odili WASH R&D Centre, University of KwaZulu-Natal Wastewater reuse in circular economy Vishwanath S. Biome Environmental Trust Integrating climate resilience to strengthen community-managed water supply systems in Indonesia Rioneli Ghaudenson Universitas Indonesia
Technical session 7	Chair: Madhu Bharti (Faculty of Planning, CEPT University)
Last mile connectivity for WASH services in slums and low-income neighborhoods for climate resilience Venue: CFP 302	Efficiencies in faecle sludge emptying using semi technology tools. The case study of the Pitvac Chanda Mulundu Lusaka Water Supply and Sanitation Company Slum upgrading as a crucial building block for creating resilience to climate change Anindita Mukhrjee and Baisakhi Sarkar SCIAI-GWSC-AIT Reframing â hard-to-reachâ urban poor as a â primary target â of circular sanitation solutions Suresh Rohilla International Water Association

Time (IST)	Sessions
Technical session 7	
Last mile connectivity for WASH services in slums and low-income neighborhoods for climate resilience Venue: CFP 302	<p>Community ULB connect for last mile service delivery in slums and low-income neighborhoods Manvita Baradi Urban Management Centre (UMC)</p> <p>Undulated rainfall, frequent drought and the impact of climate change a major hurdle to supply water to thousands of urban poor: A case study of Jaipur city Vidat Choudhary and Anil Dutt Vyas Manipal University Jaipur</p> <p>A study of informal unplanned settlements in WASH Umra Anees Centre for Science and Environment (CSE)</p>
Technical session 8	<p>Chair: Ashwani Kumar (Faculty of Planning, CEPT University)</p> <p>Shit to brown gold: safe recovery of faecal sludge and municipal solid organic waste through co-composting Dhundi Raj Pathak Center of Research for Environment Energy and Water (CREEW)</p> <p>Strengthening capacities of local governments in rural Nepal in climate-risk informed WASH service provision Ratan Budhathoki and Madan Bahadur SNV Netherlands Development Organisation</p> <p>Evaluating GHG emissions across non-sewered sanitation chain Jigisha Jaiswal and Karan Patil CWAS, CRDF, CEPT University</p> <p>Sensitivity analysis of pit characteristics for stormwater drainage design in South Australia Dilruba Farzana Department of Public Health Engineering, Bangladesh</p> <p>Digital adaptation strategies for a climate-smart Kochi Nikhil Ravindra Dayananda Sagar College of Architecture</p> <p>A framework to analyse WASH-climate interactions and path ahead Ashish Dangi and Neelam Rana IIT Bombay</p>
13:00 – 13:45 Venue: BNB Hall	<p>Keynote address 6</p> <p>Chair: Purvi Chhadva (Faculty of Planning, CEPT University)</p> <ul style="list-style-type: none"> • Juliet Willetts (UTS)
13:45 – 14:30	Lunch and exhibition gallery
14:30 – 16:00 Venue: BNB Hall	<p>Panel discussion on emerging research areas</p> <p>Moderator: Mona Iyer (Faculty of Planning, CEPT University)</p> <ul style="list-style-type: none"> • Ligy Philip (IIT Chennai) • Praveena G (IIT Palakkad) • NC Narayan (IIT Mumbai) • Thamarat Koottatep (AIT) • Tanvir Ahmed (ITN-BUET) • Celestin Defo (University of Ebolowa)
16:00 – 16:30	Tea, networking and exhibition gallery

Time (IST)	Sessions
16:30 – 18:00	Partner sessions

Partner Session 4	Partner Session 5	Partner Session 6	Technical poster session 2
Academia roundtable on WASH and climate linkages sharing student experiences and learnings	Importance of capacity building in achieving SDG 6 - focusing on sanitation sector	Garbage-free cities in india: pathways for building resilience	
Venue: CFP 303 Session Partners: Faculty of Planning, CEPT University	Venue: CFP 203 Session Partner: ITN-BUET, IWA and ASCI	Venue: CFP 202 Session Partners: ClimateRise Alliance and Rainmatter Foundation	Venue: CFP Basement Chairs: Rutul Joshi, Subhrangsu Goswami and Mansi Shah

Details of Technical Poster Session 2

- P2.1** [WASH experiences of older people living with incontinence in a changing climate: the case of Cyclone Idai, Malawi](#) | Amita Bhakta | Hidden WASH
- P2.2** [City-wide inclusive sanitation: planning for an integrated sanitation system](#) | Tuhin Palit | School of Planning and Architecture
- P2.3** [WASH and last mile connectivity in a net zero village](#) | Soomrit Chattopadhyay | Centre for Sustainable Development, Gokhale Institute, Pune
- P2.4** [Assessment of the usability of wash facilities in state funded schools in Delhi](#) | Shaorya Sood | University School of Architecture & Planning
- P2.5** [Investigation of existing financial position of FSM service in Charali town – Nepal](#) | Suman Dhun Shrestha | Intellectuals Center
- P2.6** [Catalyzing climate-resilient WASH solutions: A blended finance approach in the global south](#) | Boka Rochill | IPE Global, Delhi
- P2.7** [Towards citywide inclusive sanitation for improved sanitation services in South Africa](#) | Mendy Zibuyile Shoji | BORDA South Africa
- P2.8** [Assessment of water sanitation and hygiene \(WASH\) policies program and guidelines of Hetauda sub-metropolitan city, Nepal](#) | Srijana Karki | Environment and Public Health Organization (ENPHO) / Fresh Water Action Network South Asia (FANSA) Nepal
- P2.9** [Assessing Urban Sanitation Practices in municipalities of Nepal: A Cross-Sectional Analysis of Policy Implementation, its gaps and Challenges](#) | Buddha Bajracharya | Environment and Public Health Organization (ENPHO)
- P2.10** [Unpacking Policy Support for Uptake of Faecal Sludge Management in Indian Cities](#) | Paresh Chhajed-Picha | Indian Institute of Technology Bombay
- P2.11** [Climate Resilient WASH Infrastructure in Chennai: Development Vs Water Conservation](#) | Saman Jain | McKinsey & co
- P2.12** [Assessment of Wastewater Treatment plant at Dhulikhel Hospital](#) | Shrishti Kayastha | Kathmandu University

Time (IST)	Sessions
18:30 – 19:00 Venue: BNB Hall	Key reflections and vote of thanks
19:00 – 20:00 Venue: Kund	Cultural program
20:00 onwards Venue: CFP Basement & Kund	Gala dinner

Day 3: 4th February, 2024 (Optional)

Time (IST)	Sessions
7:00 – 13:00	<p>Option 1: Heritage walk of Ahmedabad – a UNESCO World Heritage City</p> <p>Option 2: Slum improvement program - visit to selected slums</p> <p>Option 3: Heritage structures - step wells of Ahmedabad</p> <p>(Fill the Field visit registration form)</p>

