

MAKING WATER SENSITIVE CITIES IN GANGA BASIN AIMED AT IMPROVING RIVER HEALTH/FLOWS

Context setting



Set up in 1980's, Delhi – as a registered non profit society.

An institution to bridge the gap between information and knowledge; between knowledge and public awareness; to influence public policies and practices for sustainable development –

'to promote sustainable development with equity, participation and democracy'.

Need to leapfrog to new answers...

New ways of progress. About deepening democracy to secure rights and access to resources. About building institutions from national to local levels. About strengthening regulatory measures for environmental protection



40+ years, 150+ staff, learning, sharing and pushing for change

Policy research & advocacy	Documenting to build knowledge	Disseminating knowledge	Training & education
Sustainable mobility	Knowledge portal	Down To Earth	Green School
& Clean Air 🐪			Programme
	Climate change	Gobar Times	
Sustainable habitat	Resource Centre		Media Resource
		CSE Websites	Centre
Sustainable		DownToEarth	
industrialization		Books Down To Earth Is cancer in your genes?	Anil Agarwal Green
			College/
Custoinable Water		Films	Environment
Sustainable Water -		Films	Training Institute
Waste water	N. Committee of the com	The numbers para at the Cairo conference Governance goes basic; pundinyuti ngin Madhya Pradesh	Dogulators training
management	99		Regulators training
Climate change	N .	SOBAT CIMES ENVIRONMENT FOR BEGINNERS	South-South
Climate change	WATCH THOSE CALORIES!	GARAL SAMMATIL NAMANTANA	Learning, training
Renewable energy	NORTH	1	and capacity
Transmasia anargy		Managery and Associated Associate	
Food safety & toxins	CARBON CAKE SOUTH	places Part of the second of	2 3.1131113
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CSE Global Capacity Building & Training Hub

- Awarded Stockholm World Water Prize in 2005
- •CSE Regional- South Asia 2008-13
- •CSE Global -2014 and beyond

A global south based think tank and capacity building institution, Linking national- global and contributing in global dialogue/ processes

CSE is designated –

- Centre of Excellence Urban Development :Sustainable
 Water management area and Centre for Applied
 Research & Capacity Building Training Entity for Urban
 Local Bodies under AMRUT & SBM National Missions in
 Engineering, Town Planning and Public Health Area designated by the Ministry of Housing & Urban Affairs,
 Govt. of India
- MoU with State Govt. of Odisha, A.P., Jharkhand.
- Programme cum Technical Support to **Uttar Pradesh** State Govt.
- Nodal centre for training of Environment Regulators-Ministry of Environment, Forests and Climate Change, Govt. of India
- National hub for knowledge creation and capacity
 building Ministry of Jal Shakti, Government of India





Aim & Objectives

to help establish policy principles, innovative technologies and implementation strategies for water and wastewater management and

efforts directed towards meeting twin goals of laying foundations for

a water prudent society and adapting to climate change.



SWW - Capacity Building Focus Area:

Water

- » Water Sensitive Urban Design & Planning (including rainwater harvesting),
- Solutions See Solutions See Solutions
- >> Urban Lake Management
- >> Water and Communication
- ≫ Tools and Approaches for Citywide Water
- Water Woes

Sanitation & FSM / Septage Management

- Citywide Inclusive Sanitation (CWIS),
- >> Tools and Approaches for Citywide Sanitation (including Preparing City Sanitation Plans / Shit Flow Diagram)
- Decentralised Wastewater Treatment including Reuse
- >> Faecal Sludge / Septage Treatment
- >> Sanitation Safety Plan
- SFD Week 2019

Training and Capacity Building Activities

- Short Training
- Exposure Visit
- Webinars
- Online Courses
- •Knowledge Conclave
- Off Site Tailor made Training
- Alumni Networking Meeting
- •900 + fellowships (2017-22)
 both International and
 National. Cover flight,
 Accommodation and Training
 fees.
- Participants from Global South -Africa get priority



CSE Water & Waste Programme: Education & Capacity BuildingInitiative

 Working with identified partners / multipliers both state and non – state for past 12 years and beyond with 5000+ alumni

Developing a demand driven research, capacity building and awareness creation programme.

.... aimed at mainstreaming designing and implementing affordable and sustainable citywide sanitation (incl. water) for all .



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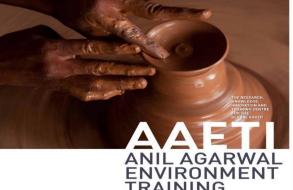








School of Water and Waste









A teaching - learning and innovation centre that is designed to find appropriate and affordable solutions for key problems of India and the global south.

About the CSE-NMCG Programme

> Vision:

Making Ganga basin cities water-sensitive for improved river health.

> Aim:

Capacity building initiatives, action research and developing model projects for making cities in the Ganga basin water-sensitive, by improving the river flow and health with water-sensitive urban design and planning.

> Objectives:

- Sensitize and **build capacities of 1,300+ municipal and state functionaries**, elected representatives and other key actors as well as the National Mission for Clean Ganga (NMCG) team in making cities water-sensitive.
- Help improve convergence of programmes like Jal Jeevan Mission, Atal Bhujal Mission, Jal Shakti Mission, Atal Mission for Rejuvenation and Urban Transformation (AMRUT) and Swachh Bharat Mission.



Programme Tenure: 3 years

Three Year Activity Plan:

40+ activities over 3 year - 24 Training (incl. 12 no. online), 12 webinars, annual knowledge conclaves & field exposure visits for capacity building of 1300+ state / development authorities / municipal functionaries

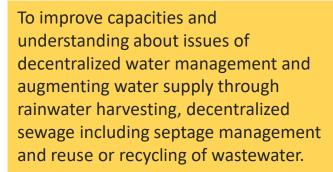
Develop Practitioner's Guide (5 no.s) on thematic focus areas

Helpdesk & Web portal for handholding support to design and implement model WSUDP intervention as model projects



Programme Highlights







To secure sustainability in urban water management for improved river flow and health.



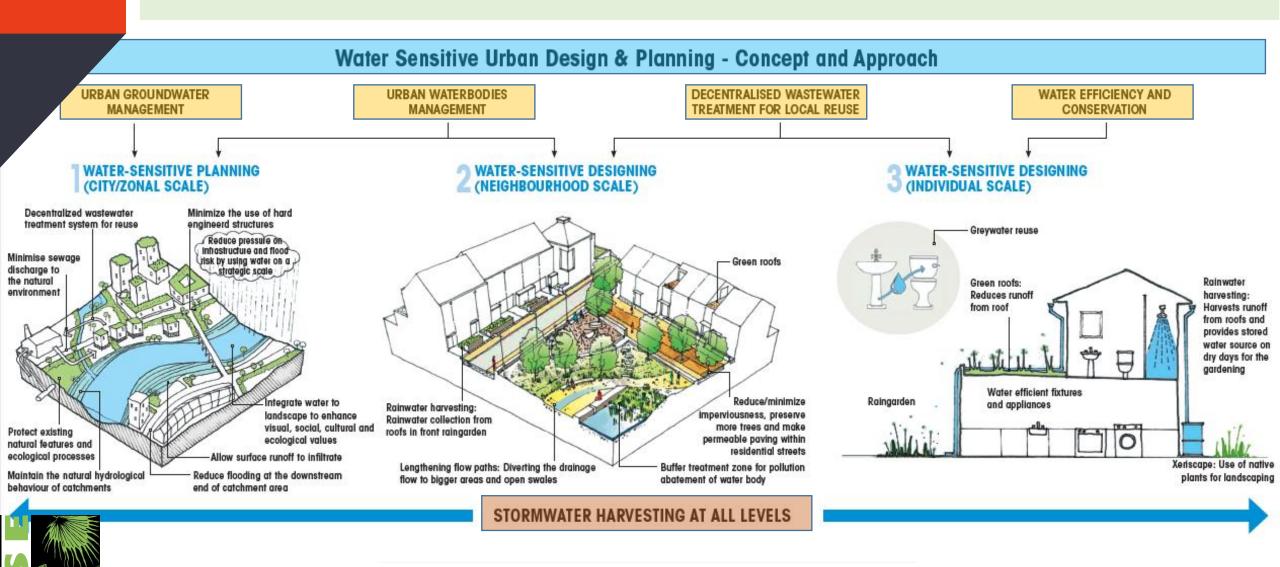
To increase knowledge about best practices regarding sustainable water and wastewater management including rainwater harvesting; sewage treatment; reuse and recycling of wastewater; water efficiency; and conservation, protection and management of urban water bodies;



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Key Thematic Focus Areas

The comprehensive vision of this project is to promote water- sensitivity of cities in the Ganga Basin. The vision is being achieved through five key thematic focus areas



Capacity Building & Action Research: Oversight Planning Committee (18 members)

An advisory committee comprising sector experts to strengthen the efforts of CSE for efficient design and delivery of the proposed capacity building project has been developed.

WATER SENSITIVE URBAN DESIGN & PLANNING

RAINWATER HARVESTING. WATER EFFICIENCY & CONSERVATION AND DECENTRALISED WASTEWATER TREATMENT & LOCAL REUSE.



Venkatesh Dutta Professor. SEES. BB Ambedkar University, Lucknow



P Z Thomas Managing Director, EEPCL



Himanshu Joshi Professor, Department Professor, Water of Hydrology, IIT Roorkee



Deepak Khare Resources Development & Management, IIT Roorkee



Manu Bhatnagar Principal Director, Natural Heritage Division, INTACH, New Delhi



S.K. Sharma Groundwater Expert Professor. Former Member (Technical), CGWB



Rajiv Sinha Sciences, IIT Kanpur Bihar



GROUNDWATER AND URBAN LAKE MANAGEMENT IN URBAN AREAS

Somnath Bandopadhyay Associate Professor Department of Earth Nalanda University,



Shashank Shekhar Professor (Geology), Delhi University



Consultant

& Activist



Somanth Sen Associate Professor. IIT Kharagpur



Sumit Sen Head and Associate Professor, Department Water and of Hydrology, IIT Roorkee



Victor Shinde Sector Coordinator for Environment. NIUA



Nadeem Khalil Professor, Department of Civil Engineering, Aligarh Muslim University



K.J. Anandha Kumar Scientist (Hydrogeologist) (Retd.), CGWB



Meenakshi Dhote HOD, Dept. of Environment Planning, International, South SPA, Delhi



Ritesh Kumar Head, Wetlands Asia, WI-SA



Venkatesh Dutta Professor, SEES, BB Ambedkar University, Lucknow



Capacity Building & Action Research: External Trainers (29 in nos.)

WEBINARS & ONLINE TRAININGS

Rajiv Ranjan Mishra **Director General** National Mission for Clean Ganga (NMCG) India



Sunita Narain **Director General** Centre for Science and Environment (CSE) India



G. Mathi Vathanan Principal Secretary, HUDD, Odisha



Vandana Menon Independent Consultant, New Delhi



Stanley Samuel CEO Ecosoftt Pvt Ltd, Singapore



Sanjay Prakash Managing Director SHIFT Architects



Abhinav Pandey Head of Studio SHIFT Architects



Jiqisha Jaiswal Victor Rana Shinde Lead: Water and C-WAS CEPT, Ahmedabad Environment NIUA



Somnath Sen Retd. Associate Professor, IIT Kharagpur



Dr Ritesh Kumar Mr Manu Bhatnagar Principal Director. Head, Natural Heritage Division, Wetlands INTACH, New Delhi International, South Asia



Ashok Kumar Sinah. IAS, **Executive Director** (Projects), **NMCG**



Dr Ravinder Kaur Principal Scientist, WTC. IARI



Dr Mohit Ray Environmental Consultant and Activist



Tanmay Kumar Project Engineer CH2M HILL



P.Z. Thomas Jamie Ewert Managing Director Monash University EEC Pvt. Ltd CRC for Water Sensitive Cities

RESIDENTIAL TRAININGS



Sandhya Haribal Senior Project Manager **CDD Society**



Eli Cohen Founder and CEO. Ayala Water & Ecology, Israel



Vijay Kumar Chaurasia Professor Joint Advisor. University CPHEEO, MoHUA,



Nadeem Khalil Aligarh Muslim



Dr K.S. **Jayachandran** (Delhi Pollution Control Committee)



Veena Srinivasan Senior Fellow (ATREE), Bangalore



S. Vishwanath Director-Biome **Environmental** Solutions, Bangalore



Vivek Janade Dy. General Manager ESTPL



Dr Mansee Bal **Bharqava** (EDC), Ahmedabad



Ramveer Tanwar Lokendra Thakka Pondman Environmentalist

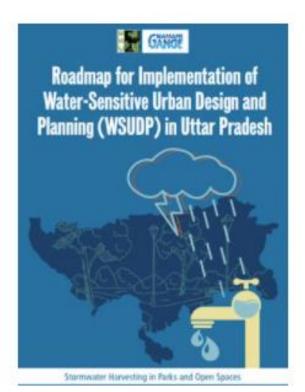


Officer Incharge, **GoMP State** Wetland Authority

Action Research

Action Research: Published

Report



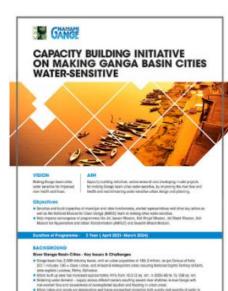
Total Downloads: 837

Fechnica Support

Outreach

Programme **Brochure in Hindi** and English







Web Portal and Helpdesk

Click to return on the top

Contact





About the Conclave cum Sensitization Workshop on

Making water sensitive cities in Ganga basin aimed at improving river health/flows

The knowledge conclave is one of a series of activities under the 3-year partnership (2021-24) between Centre for Science and Environment (CSE), New Delhi, and National Mission for Clean Ganga (NMCG) for making water sensitive cities in Ganga basin' aimed at improving river health/flows.

Aim

- CSE has developed a set of learning collaterals under the NMCG-CSE partnership. To
 present them for peer review and to engage to develop a shared understanding of
 challenges and priorities in water, storm water, lakes and water bodies, decentralised
 waste water treatment systems and septage management challenges.
- The conclave is aimed at generating a deeper insight and engagement with key experts and city officials, academia and NGOs, on these critical issues.
- To use this opportunity to engage with a larger audience on what is appropriate for a global south water sensitive cities framework, as a contribution to river basin cities and to the global discourse.

