



SCHOOL OF WATER AND WASTE

AAETI**WATER
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International Virtual Training Programme on 'City-wide Water and Climate Resilience through Water Sensitive Urban Design and Planning'

25 January - 6 February 2022 | Platform: Moodle and Zoom

Centre for Science and Environment (CSE), India in partnership with Water Research Commission (WRC), South Africa and the Future Water Institute at the University of Cape Town (UCT) is organizing an international virtual training programme on "City-wide Water and Climate Resilience through Water Sensitive Urban Design and Planning (WSUDP)" for African practitioners.

Increasingly, cities in South Africa face the enormous task of dealing with future growth, water scarcity issues, climate change impacts and equitable access to essential health care and better water management. In addition to this, cities are currently grappling with the widespread impacts of COVID-19. It seems clear that these challenges will force cities to (re)-think how water (and sanitation) sensitive urban planning can be integrated into development scenarios.

In August 2021, CSE in partnership with UCT and WRC hosted a virtual roundtable on mainstreaming WSUDP into city planning. Consensus was reached during this meeting on the need to mainstream WSUDP to strengthen urban water infrastructure systems and develop resilience in the wake of the changing climate, and that WSUDP strategies should become an essential component of city resilience strategies in South Africa.

About the Virtual Training

This virtual training programme will deliver a range of informative and engaging sessions to enhance participants' knowledge on water sensitive planning and design approaches aimed at building city-wide resilience, covering topics ranging from terminology and concepts related to water resilience to discussion on good practices and WSUDP implementation.

Program Design:

Part 1: Context-setting for WSUDP (Online Platform): 25 Jan., - 1 Feb., 2022 | 12 hours self-study

- Context for WSUDP in South Africa
- Overview of challenges and opportunities in urban water management w.r.t. climate change and urban water resilience
- WSUDP concepts, and the framework for implementation in South Africa

Part 2: WSUDP Planning and Designing (Virtual Sessions): 2-4 Feb., 2022 | 12 hours facilitated

- Scale, data requirements and case studies
- Urban water resilience framework and case studies in South Africa
- Planning and Designing WSUDP features

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