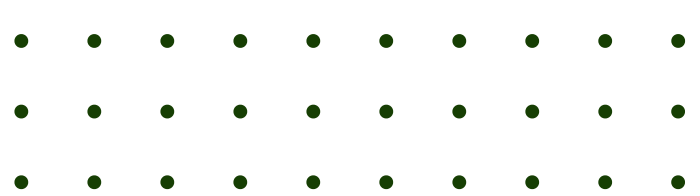




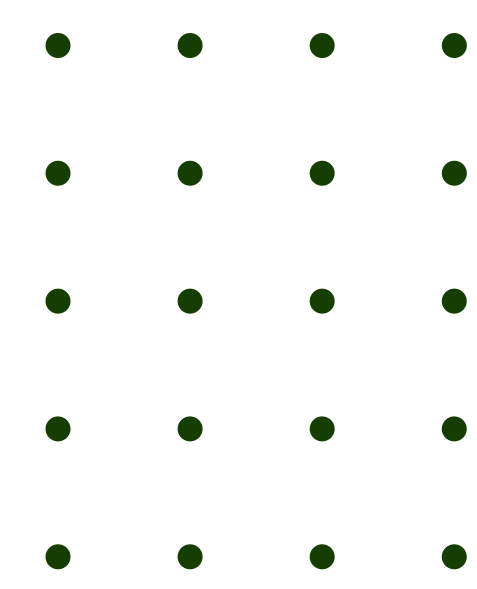
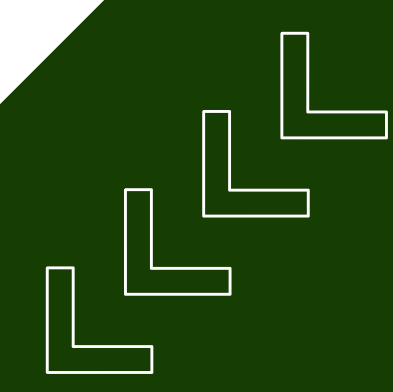
Government of Tamil Nadu  
State Planning Commission



# ADDRESSING URBAN HEAT WITH NATURE BASED & TECHNOLOGICAL SOLUTIONS

## CONSULTATION WORKSHOP

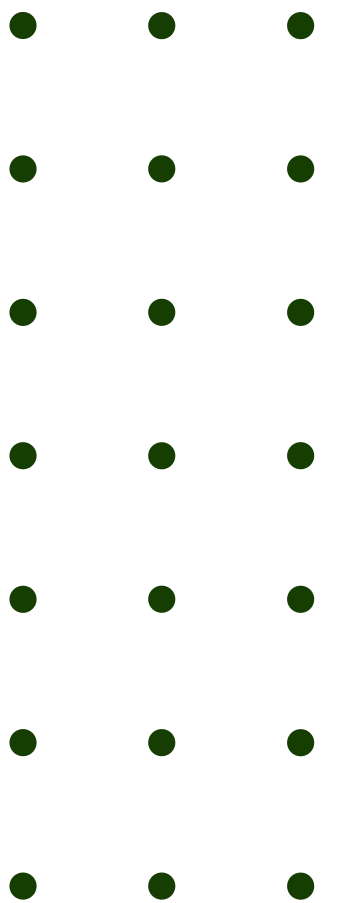
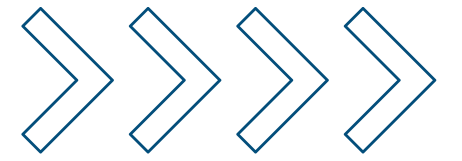
15.10.2024



# ABOUT THE WORKSHOP



In today's urbanizing world, addressing the Urban Heat Island Effect (UHIE) is vital for strengthening urban resilience. Integrated cooling strategies, which combine passive and active cooling such as urban greening and energy-efficient cooling systems, provide a comprehensive approach. Passive cooling enhances natural cooling, reduces heat, and supports urban biodiversity, while active cooling helps optimize energy consumption and lower emissions. Successful implementation requires collaboration among stakeholders, sustainable urban planning, and active community engagement. Together, these strategies help cities adapt to climate change, enhance livability, and build future-ready urban environments. In this workshop, studies conducted by the State Planning Commission will be presented before the stakeholders to sensitize and gather feedback.

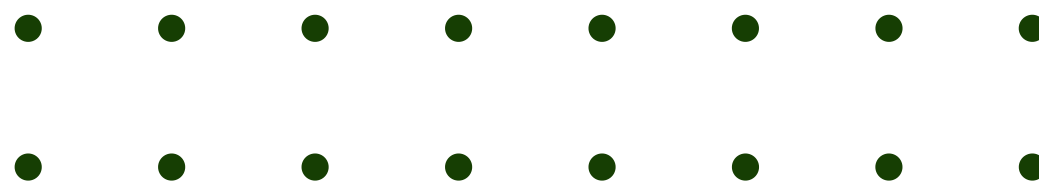
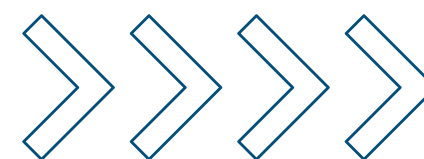


# SNAPSHOT OF THE STUDIES



## Identification and Assessment of Hotspots Across Urban Areas of Tamil Nadu and Recommendations for UHIE Mitigation

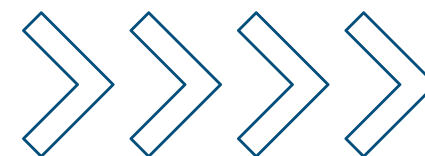
*The Tamil Nadu State Land Use Research Board (TNSLURB), in collaboration with UNEP and CEPT University, has conducted this study, with the primary goal of mapping the urban hotspots across the Tamil Nadu state based on Built-up, Vegetation cover, Water Bodies, and Barren Land classification. This study is focused on identifying and assessing hotspots across the urban areas of Tamil Nadu and providing recommendations for managing UHIE mitigation of designated smart cities.*



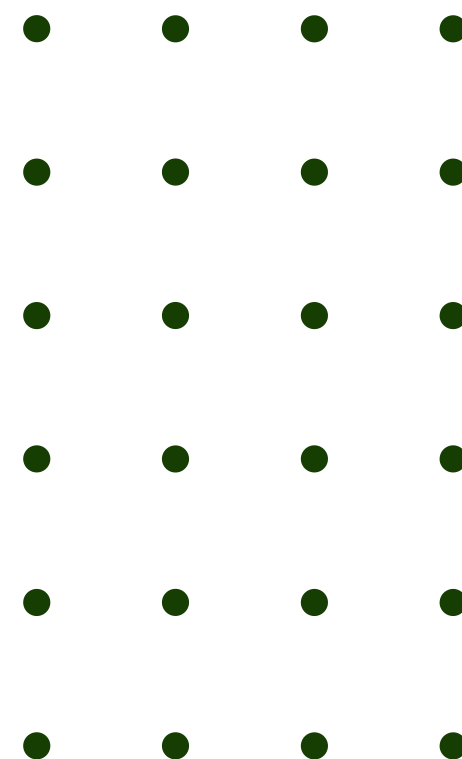
# SNAPSHOT OF THE STUDIES



## Tamil Nadu Blue-Green Infrastructure Potential Mapping and Development Framework



*In collaboration with Auroville Consulting, the Tamil Nadu State Land Use Research Board (TNSLURB) is conducting a research study to map existing blue-green infrastructure corridors and develop conservation strategies. The study aims to identify and enhance current blue-green corridors while exploring opportunities to create new ones. This will involve advanced satellite image processing and geospatial analysis to comprehensively assess and visualize the existing infrastructure. The goal is to support the development of effective conservation initiatives and improve the integration of blue-green corridors.*

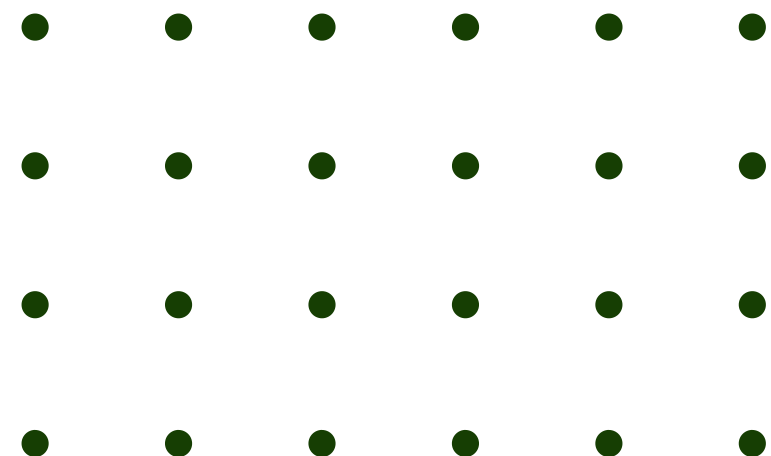


# SNAPSHOT OF THE STUDIES



## Adopting District Cooling System in Tamil Nadu

*This report seeks to introduce the concept of District Cooling, which is a sustainable active cooling technology, identify challenges, and present the opportunities for Tamil Nadu. It recommends a long-term policy, regulatory framework, financing options, roles and responsibilities of important departments in the design, approval, and implementation of district cooling projects and provides incentive mechanisms for the scale-up of such projects in the State. UNEP prepared this report after detailed analysis of the best practices and models of DCS adopted in various other countries.*

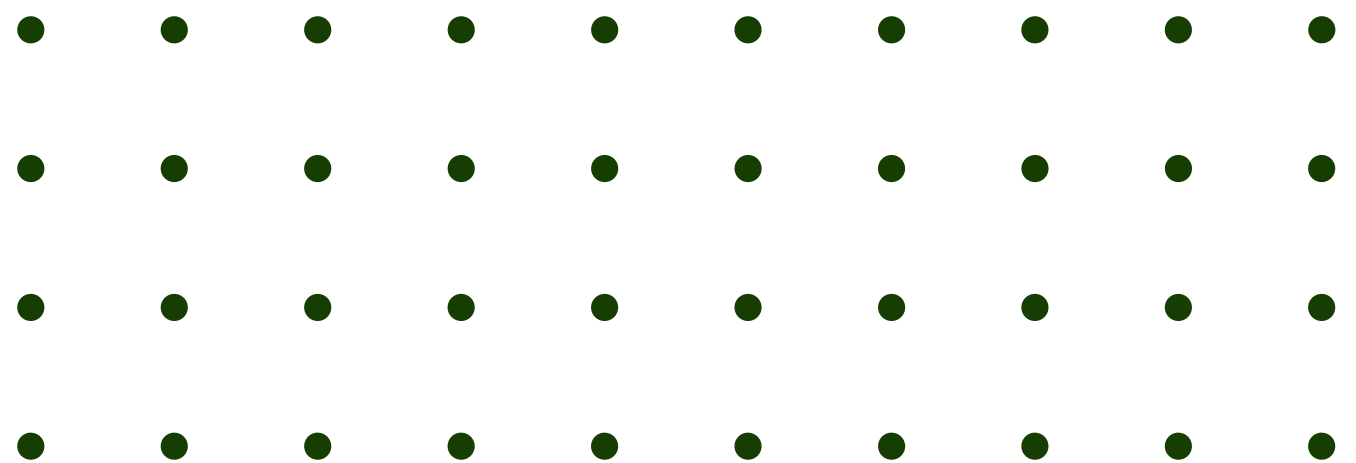
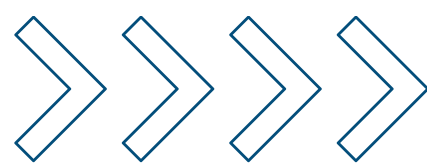


# SNAPSHOT OF THE STUDIES



## Framework for Nature-Based Solution for enhancing Urban Resilience in Tamil Nadu

*The Tamil Nadu State Land Use Research Board (TNSLURB), in collaboration with Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) for Sustainable Urban Development, has expanded its role in framework development and sustainable state planning. This partnership aims to enhance resilient city planning by developing a Framework for Nature-Based Solutions for Enhancing Urban Resilience in Tamil Nadu.*





Government of Tamil Nadu  
State Planning Commission



# CONSULTATION WORKSHOP

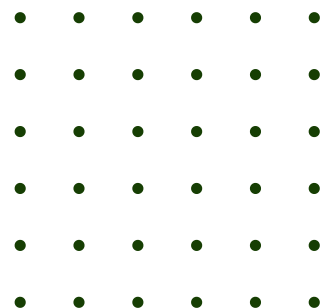
## ADDRESSING URBAN HEAT WITH NATURE-BASED AND TECHNOLOGICAL SOLUTIONS

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