

Capacity Building Program on

Climate Actions for Local Area Planning: Combating Heat Extremes

Today, more than half of the world's population lives in urban areas, and this figure is projected to reach 60% by 2030. Cities are expanding both horizontally and vertically to cope with the pressures of rising populations and the growing gap between the demand for and supply of resources. Consequently, natural landscapes are increasingly being converted into artificial surfaces, which has been shown to exacerbate climate-related challenges. Heatwaves and the urban heat island effect are among the most commonly observed issues in Indian cities today. While some cities have heat action plans in place, more localized actions are essential to effectively mitigate and adapt to these extreme scenarios.

This capacity-building and skill enhancement program aligns with Sustainable Development Goal (SDG) 11—Sustainable Cities and Communities—and SDG 13—Climate Action. It enables participants with hands-on expertise on tools and techniques necessary to develop scientific understanding, technical assessment, support decision-making, and the implementation of localized strategies for combatting heat related challenges. Participants will develop skills in measuring urban climate parameters, mapping local climate zones, conducting vulnerability assessments, simulating micro-climates, and preparing localized heat action plans. By incorporating project appraisal techniques and exploring climate finance mechanisms, this program provides a comprehensive framework for addressing the complex challenges of climate change in urban areas, promoting sustainable, resilient, and climate-sensitive development.

**06 – 10
February 2025**

05 Days
Hands-on Exercises
Software Training
Field Measurements
Climate Data Simulations
Actionable Climate Planning

Day 01	Introduction to Urban Climate and Heat Extremes
Day 02	Assessments and Site Evaluations
Day 03	Micro-Climate Simulations
Day 04	Developing Localised Heat Action Plans
Day 05	Institutionalizing Climate Actions

Coordinators

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Organized by

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Registration link
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