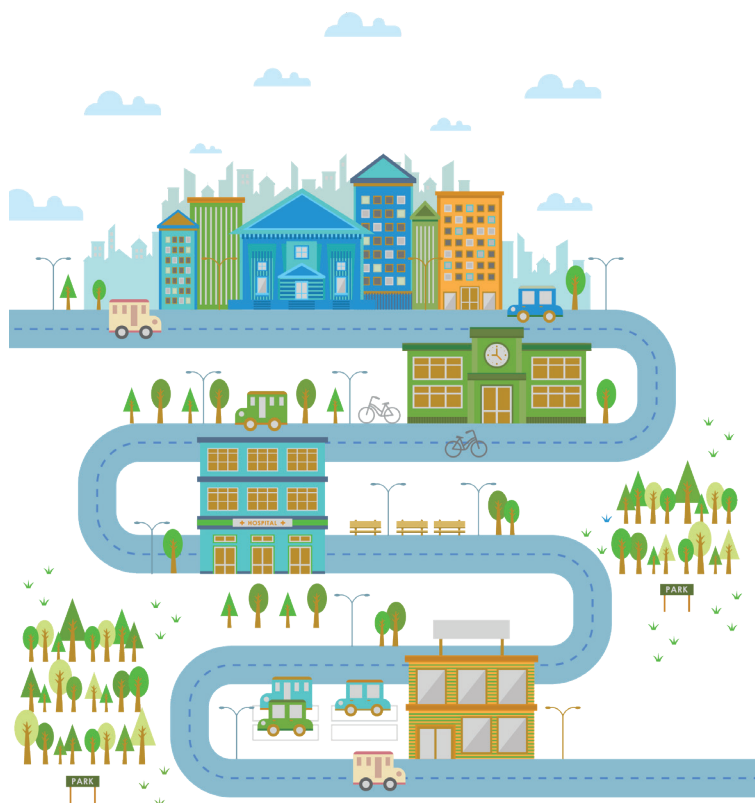# Expected Outcomes

- Decision-support tool for integrating EbA into urban planning
- Replicable methodology for climate risk–nature response mapping
- Enhanced institutional capacity for nature-based adaptation
- Improved understanding of spatial suitability for EbA in cities

Contact Us

Center for Study of Science, Technology & Policy (CSTEP)

www.cstep.in | Phone No.: +91-8066902500

Project Lead

Dr Manish Kumar

Email: manish.kumar@cstep.in

Event Agenda

25 June 2025 | 10:00 a.m.–2:00 p.m.
Hyatt Centric Hebbal Bengaluru

Time	Session
9:30–10:00 a.m.	Registration
10:00–10:15 a.m.	Introduction to CSTEP
10:15–10:30 a.m.	Developing an EbA Feasibility Tool (DEFT): Project Overview
10:30–11:50 a.m.	Hebbal Ward Pilot: Methodology and Results
11:50 a.m.–12:00 p.m.	Short Break
12:00–1:00 p.m.	Stakeholder Feedback and Discussion
	Reflections on the Methodology and Data Used
	EbA Preferences for Hebbal Ward
1:00–1:30 p.m.	Closing Remarks and Way Forward
1:30 p.m.	Networking Lunch

Global EbA Fund

CSTEP

Developing an Ecosystem-based Adaptation (EbA) Feasibility Tool (DEFT)

Mainstreaming Nature-Based Interventions for Climate-Resilient Indian Cities
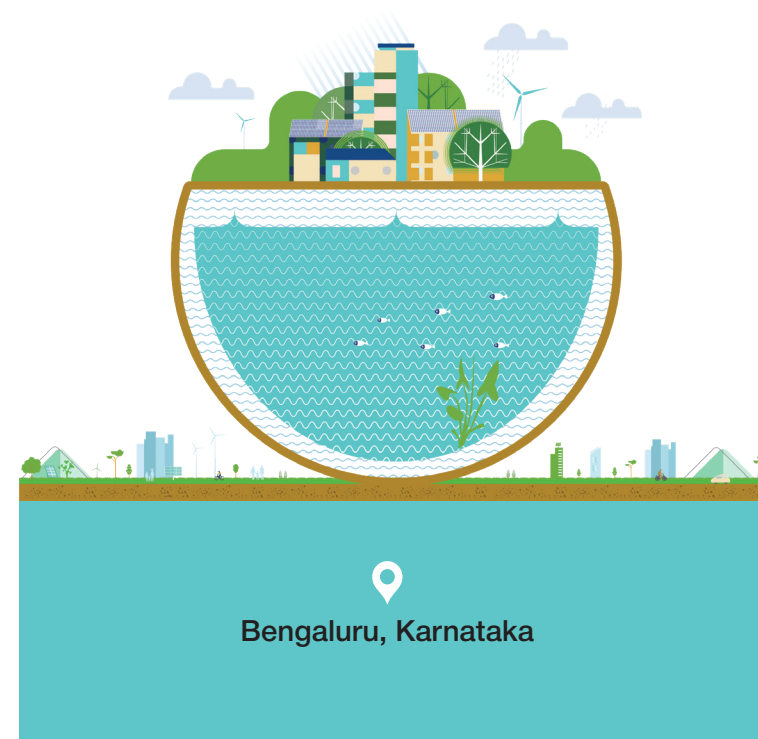
Bengaluru, Karnataka

Project Overview

The DEFT project aims to operationalise ecosystem-based adaptation (EbA) in urban planning through a scalable decision-support tool. Funded by the Global EbA Fund, DEFT tests how nature-based solutions can help cities adapt to climate risks such as floods, heat, and ecosystem degradation.

The project brings together spatial analysis, risk mapping, and community engagement to co-design adaptation pathways that prioritise both ecosystems and equity.

Key Objectives

Integrate EbA into local urban planning and decision-making
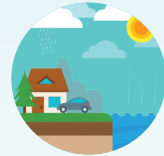
Identify urban flooding and heat hotspots for spatially viable zones for nature-based interventions

Enable urban practitioners to balance grey and green infrastructure

Build capacity across city institutions and civil society organisations

Key Activities

- **Blue-Green Systems Mapping**

  Map existing water bodies and green assets to identify gaps, fragmentation, and restoration opportunities.

- **Climate Risk and Exposure Mapping**

  Identify climate hotspots using historical climate, land use, and flood data

- **Ecosystem Feasibility Analysis**

  Assess ecological characteristics to guide restoration or protection

- **Field Validation and Community Feedback**

  Co-validate with local residents, urban agencies, and experts

- **Tool Development**

  Develop a dashboard and visualisation toolkit to guide planners and agencies