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# CapaCITIES

LOW CARBON • CLIMATE RESILIENT • CITY DEVELOPMENT

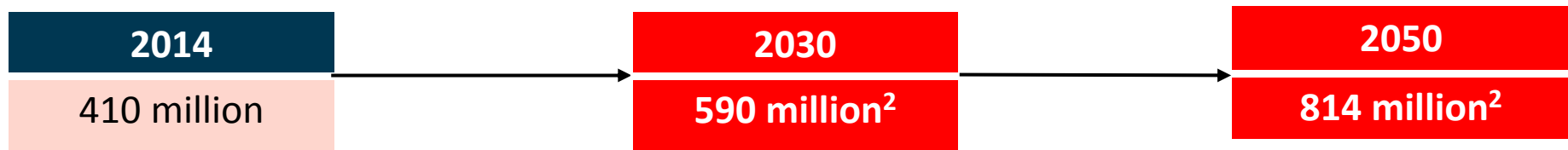
## Capacity Building for Low Carbon and Climate Resilient City Development in India (CapaCITIES) An Introduction



# Indian Cities: Urban Development Context

India is rapidly urbanising and cities are challenged by urban growth and continuing poverty

- about 40% of the population in 2030 would be urban as against 30% currently
- between 2014 and 2050, the urban areas are expected to grow by 404 million people in India
- exponentially increasing the demand for urban amenities like housing, energy, transport, water and waste disposal



Source: World Urbanisation Prospects 2014 UN Report

# India Cities: Policy Context

- Urban development seen as an engine of growth
- Cities in India are looking for solutions through technical assistance and knowledge transfer

**US\$ 1.2 trillion in capital investment required over the next 20 years to meet urban services demand**



**Equivalent to \$134 per capita per year, almost eight times the level of spending today<sup>1</sup>**

Housing for All by 2022

**20 mn**

Affordable houses to be built in urban areas by 2022



Smart Cities

**100**

Smart cities to be developed by 2022



Urban Transformation

**500**

Cities and towns to be rejuvenated under AMRUT mission by 2020



Swachh Bharat Mission

**10 mn**

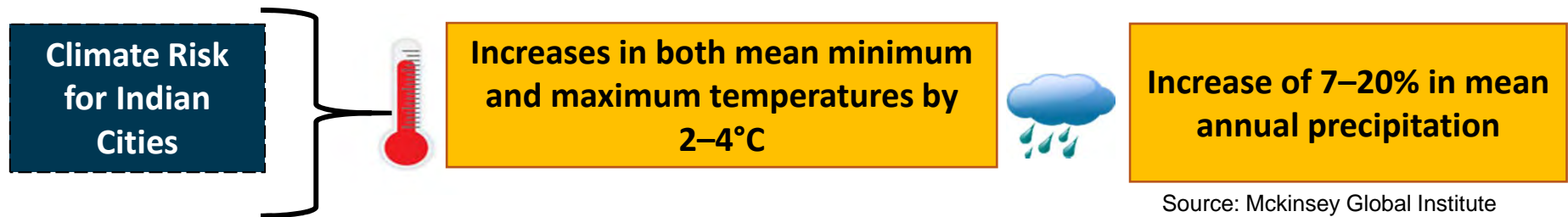
Toilets to be constructed in urban areas by 2019



# Indian Cities: Climate Context

Climate variability and change will further increase risks for urban population and for infrastructure

- increasing heat stress, inundations, water shortages, environmental health risks and migration to urban areas.





# Capa**CITIES**

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# Project Goal

The goal of CapaCITIES is to **strengthen** the capacities of **Indian cities** to **identify, plan and implement measures** for achieving **lower greenhouse gas emissions growth path** and **enhancing resilience to climate change** in an **integrated manner**.

Time period **2016-2019**

# Capa'CITIES'

## UDAIPUR

**Location:** Located in the southern region of the state of Rajasthan and is popular for its history and culture.

**City Population:** 451,100  
(2011 census)

**Selected as Smart City**

## SILIGURI

**Location:** Located on the banks of the Mahananda River and the foothills of the Himalayas in West Bengal.

**City Population:** 513,264  
(2011 census)

## RAJKOT

**Location:** Located on the banks of Aji River and Nyari River in Gujarat and is recognized as a major industrial, commercial and trading centre.

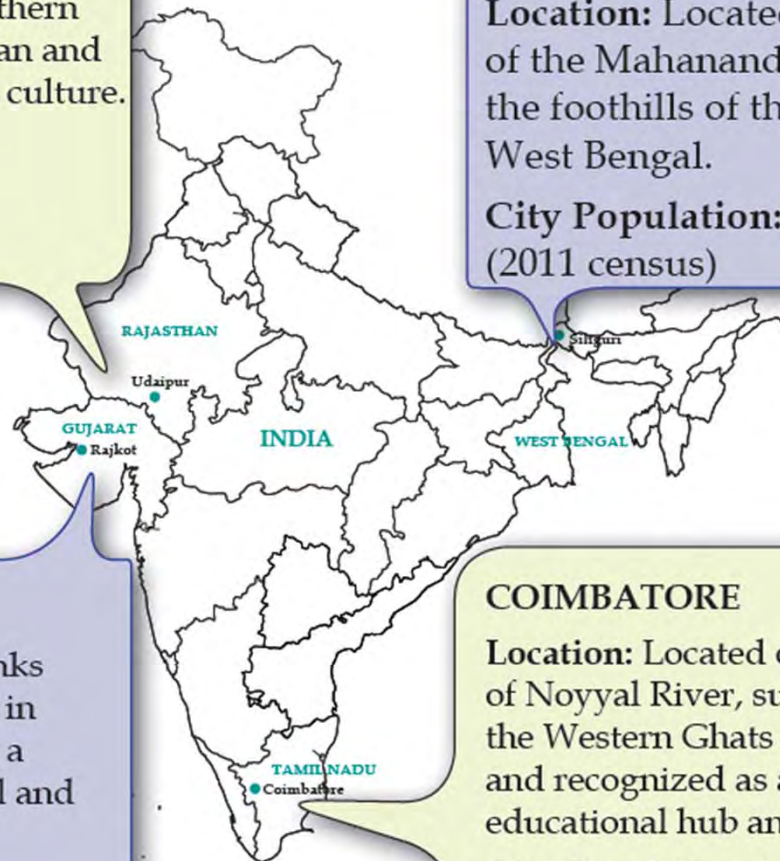
**City Population:** 1,286,678  
(2011 census)

## COIMBATORE

**Location:** Located on the banks of Noyyal River, surrounded by the Western Ghats in Tamil Nadu and recognized as a major textile, educational hub and medical centre.

**City Population:** 1,050,721  
(2011 census)

**Selected as Smart City**



# Framework

Science and City Management

Research and City Planning

*CO<sub>2</sub> reduction*

Buildings

Transport/Mobility

Sectoral Interventions including Capacity Building

*Short-lived Climate Pollutants (SLCPs) abatement*

Sewage/Solid Waste

Projects:  
• Quick win  
• Bankable

*Climate Resilience*

Water

Support Measures

Knowledge Sharing and Exchange



# Planned Outcomes

## **Capacities of city authorities in four partner cities to plan and implement mitigation and adaptation measures are enhanced**

- Develop climate science enabled support tools for city level planning, for current and future climate scenarios and for low carbon and climate resilient city action plans.

## **Implement city level climate change mitigation measures** for key sectors (buildings, transport/mobility and solid waste/sewage)

- Quick-win project implementation and development of bankable projects

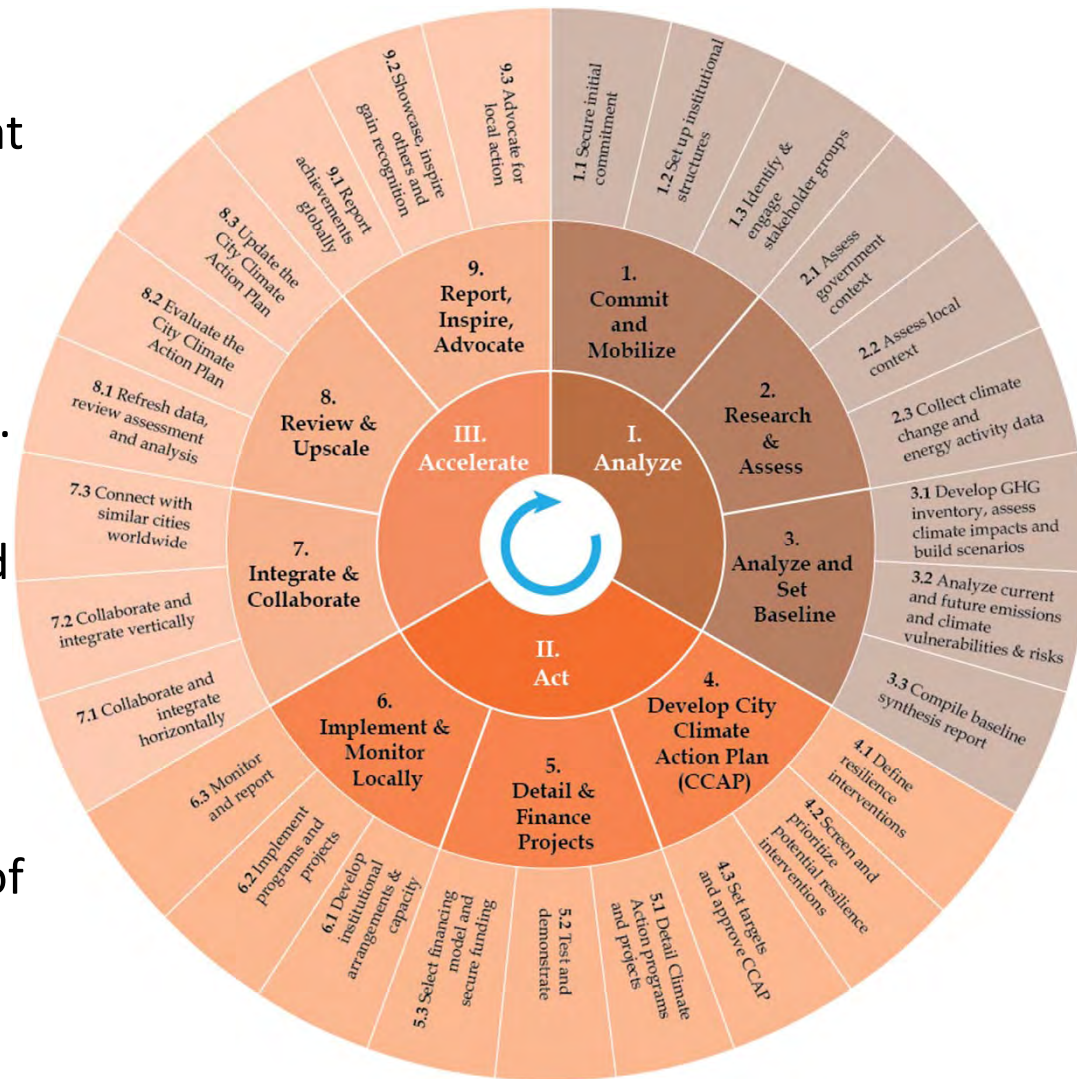
## **Implement city level climate change adaptation measures** for key sectors (particularly in water sector)

- Quick-win project implementation and development of bankable projects

## **Strengthen knowledge exchange and communication** among key stakeholders in cities

# City Climate Action Plan Methodology

- Cyclical methodology that enables cities to analyse their current situation, plan and act accordingly as well as promote and advocate climate actions.
- 9 step methodology with a series of tools designed for each step.
- Allows the city to plan in an inclusive manner and address both mitigation and adaptation aspects of climate change.



# Target Group

## National Government

- Ministry of Urban Development
- Ministry of Environment, Forests & Climate Change
- Ministry of Housing & Poverty Alleviation

## State Government

- State Government Departments
  - Gujarat
  - Rajasthan
  - Tamil Nadu
  - West Bengal
- Department of Municipal Administration/Local Government Department

## Project Cities

- Local Authorities
  - Rajkot
  - Udaipur
  - Coimbatore
  - Siliguri
- Local community stakeholders within the project cities
- Special interest groups within project cities - e.g. local building associations, architects, community based organisations, etc.

# The Implementation Agency

## The Consortium

  
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## Partner Organisations

 (FCL)  

## Knowledge Partner

  
National Institute of Urban Affairs

## Thematic and Research Partners

**Thank you**

