

Meetup#1: Urban Design Competitions – The tale of two cities

26 April 2022, 11:00 – 12:30 CET



Transformation - Urban Opportunities - Climate Change (TUrbOCLiC)

Cross-sectoral group of the TUEWAS and SNGA network of GIZ

Programme

- Welcome: **Vaishali Nandan**, Senior Advisor and Head of Project Climate Smart Cities and Joint Speaker of TUrbOcliC
- Check-in and moderation: **Luciana Maia**, TUrbOcliC consultant
- Urban Design Competitions – The Process – **Charlotte Pusch**, Advisor GIZ India, SUD-SC II
- The tale of two cities – UDC in Kochi and Coimbatore - **Fathim Rashna Kallingal** and **Krishna Kumar**, Technical Experts GIZ India, SUD-SC II
- Q&A and joint learning exchange / steps forward and check-out

Urban Design Competitions- The tale of two cities

Sustainable Urban Development- Smart Cities II (SUD-SC II)

TUrbOClIC meetup series 2022

GIZ India | 26 April 2022



Presented by:

Charlotte Pusch, Advisor, SUD-SC II

Fathim Rashna Kallingal, Technical Expert, SUD-SC II

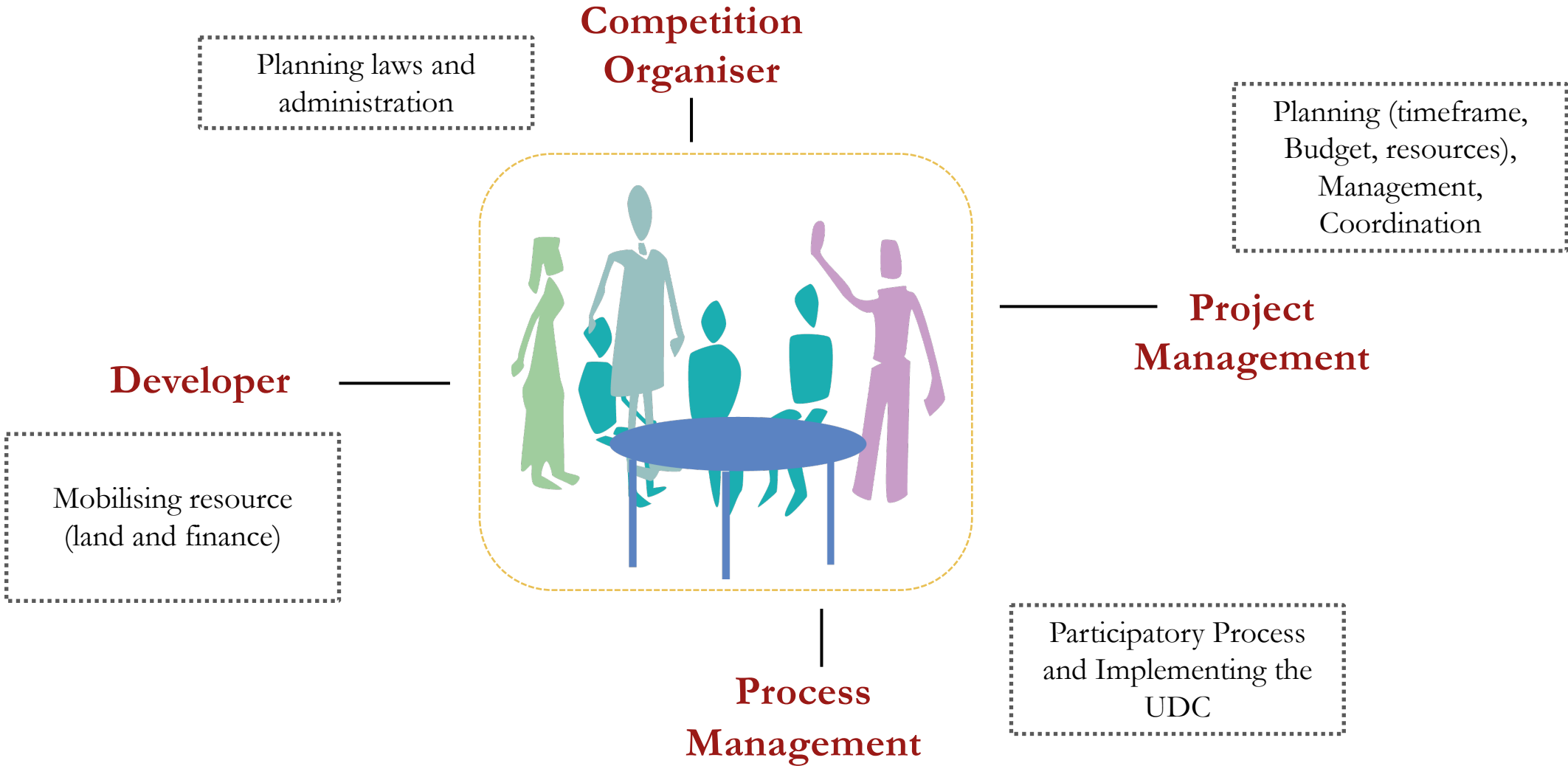
Krishna Kumar, Technical Expert, SUD-SC II



Why an Urban Design Competition (UDC)?

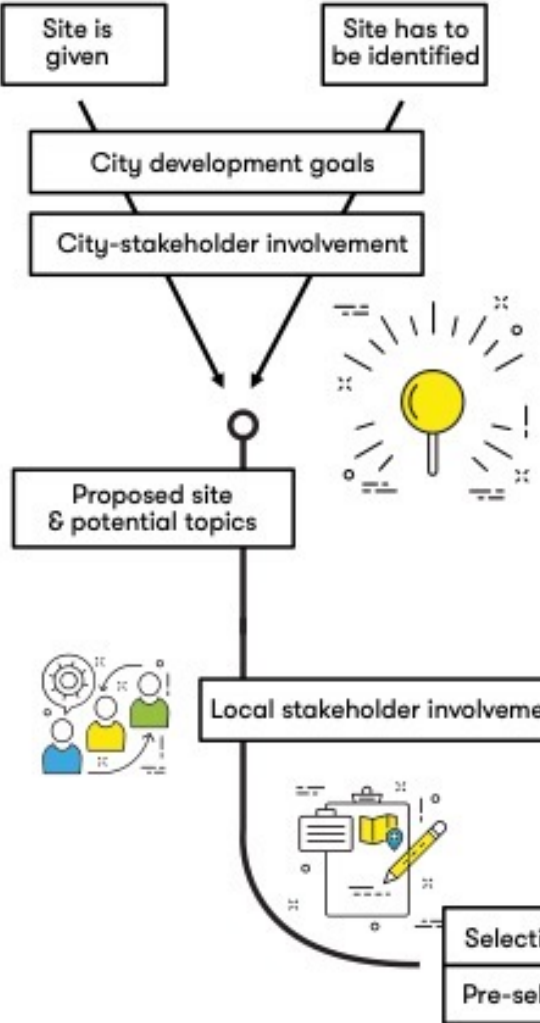
- Globally reputed instrument for sustainable urban development - customisable for context, size, area, core focus, scope of detail etc.
- Integrated, participatory, demand-oriented and multisectoral driven through swarm intelligence and “crowd-sourced ideation”
- Supports **transparency and ownership** (administrative, private sector, citizens, science, interest groups with special needs) through early involvement in **co-creation and collaboration**

Who is involved in an UDC?



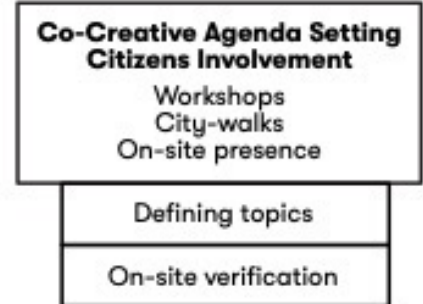
How to implement a UDC?

Phase 0 Location search



Phase 2 Developing

DESIGN BRIEF



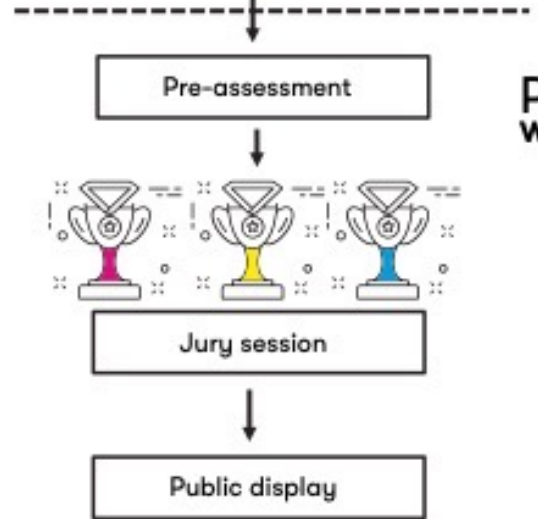
Phase 1 Verifying Sites & Topics Locally



Design-call

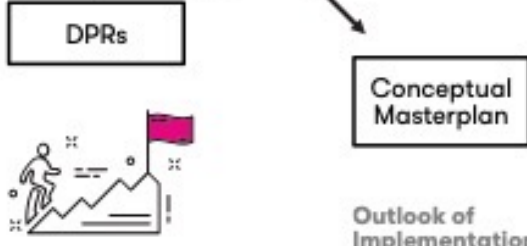


DESIGN COMPETITION



Phase 3 Work Phase

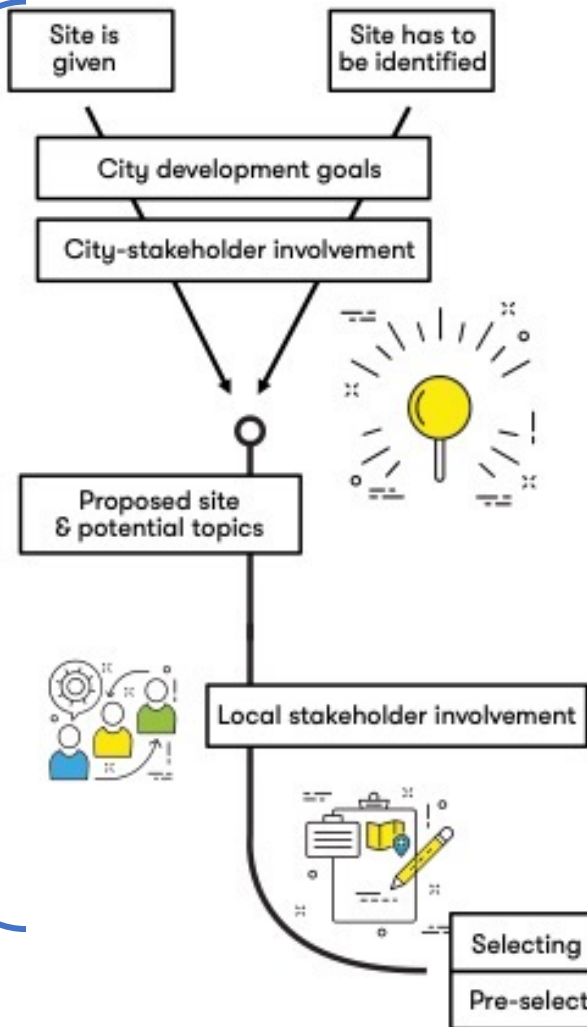
Phase 4 Common Vision Process



Outlook of Implementation

How to implement a UDC?

Phase 0 Location search

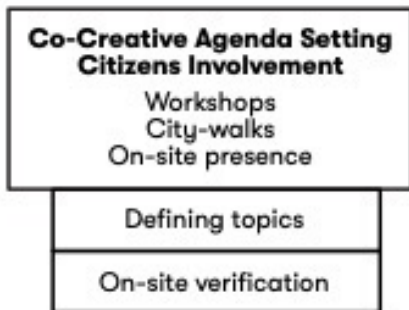


Before Competition

Phase 2 Developing



DESIGN BRIEF

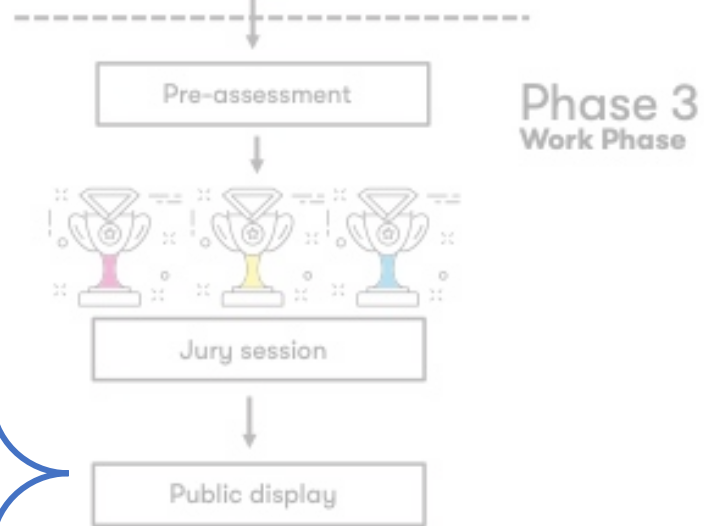


Phase 1 Verifying Sites & Topics Locally

Design-call



DESIGN COMPETITION



Phase 4 Common Vision Process

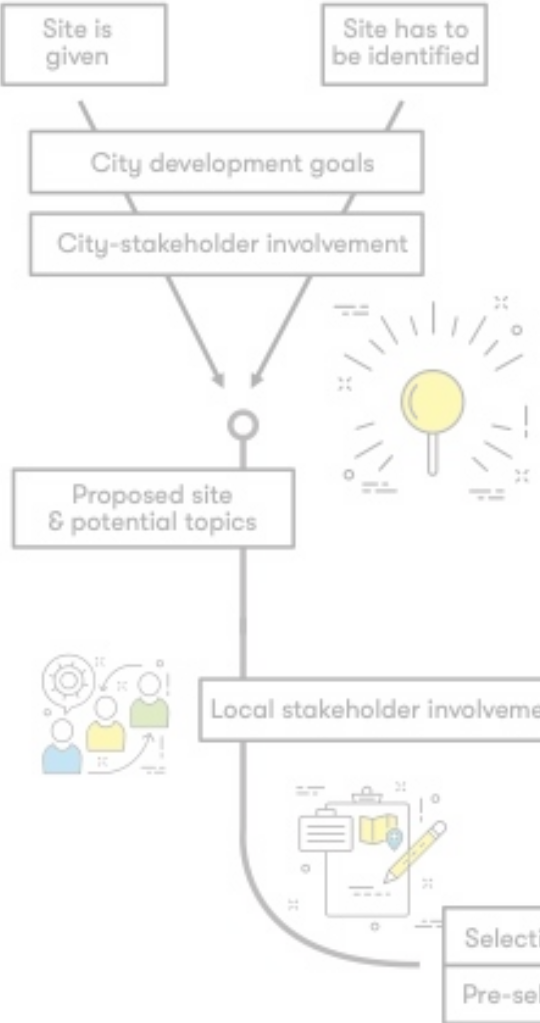


Outlook of Implementation



How to implement a UDC?

Phase 0 Location search



Phase 2 Developing

DESIGN BRIEF



Phase 1 Verifying Sites & Topics Locally

DESIGN COMPETITION

During Competition

Design-call



Pre-assessment



Jury session

Public display

Phase 4 Common Vision Process

DPRs

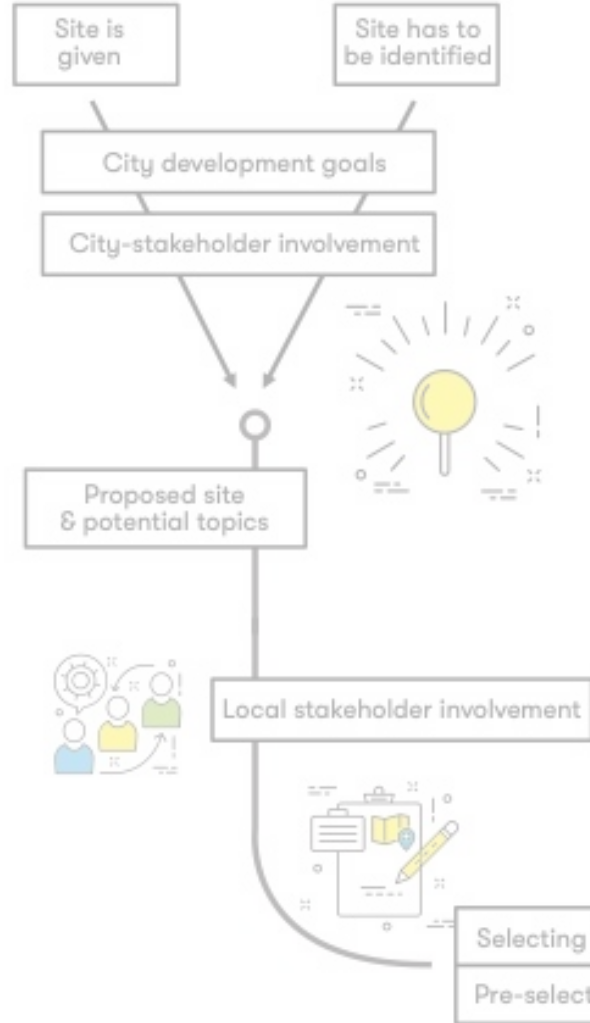
Conceptual Masterplan

Outlook of Implementation



How to implement a UDC?

Phase 0 Location search



Phase 2 Developing

DESIGN BRIEF



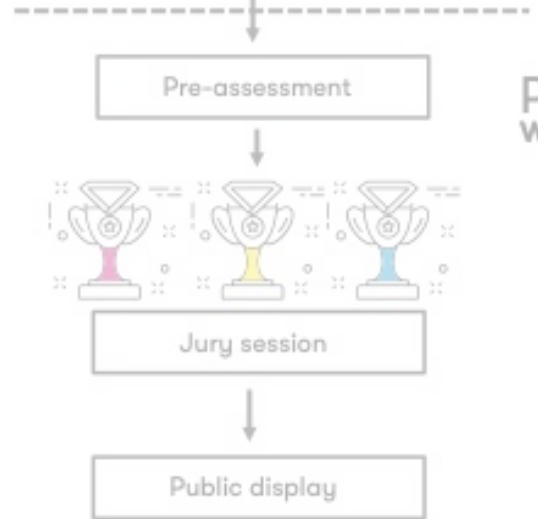
Phase 1 Verifying Sites & Topics Locally



Design-call

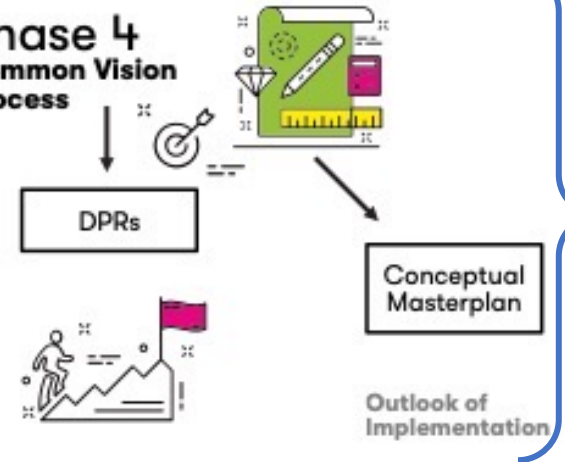


DESIGN COMPETITION



Phase 3 Work Phase

Phase 4 Common Vision Process



After Competition

Before the Competition

1

Consultation with
experts,
public authorities,
citizens society



2



Site Selection

Design brief
(outcome)

3



Before the Competition

Design brief
(outcome)

3

4.1 OVERALL DELIVERABLES

1. Development of a **master plan for the entire site** and **detailed designs for 2 of the sub-sites** keeping in mind the established principles and evaluation criteria:

- a. One A-1 sheet: Master Plan for the entire UDC site of Koundampalayam precinct - scale of 1:2000
 - b. One A-1 sheet: Detailed design proposals for any two of the five Sub-sites based on the description provided in this brief- scale of 1:500.
2. Sections and visually appealing 3D views/ sketches/ sections etc. explaining the proposed concepts and designs.
3. A summary text (written in English language) with max.1000 words which details:
- The main concept, especially referring to aspects of socio-economic integrated urban development
 - The level of interventions focused upon
 - The opportunity areas intended to be tackled
 - The target groups or beneficiaries

4.2 EXPECTED OUTCOMES

- Creative development plans/ideas for a new urban paradigm
- Spatial analyses with effective graphical representations
- Spatial concepts for regeneration of the infrastructural services
- Sustainable short- and long-term strategies and site-specific solutions
- Phase wise implementation strategy of design interventions
- Encourage sustainable modes of connectivity
- Climate responsive design to support a healthy lifestyle
- Response to the local contexts of the site and its surrounding, the present urban development plans/ programmes
- The design proposals should be economically viable for its sustenance and maintenance
- Inclusion of the marginalised and urban poor into the neighbourhood's future growth
- Ecologically sensitive design for the water channel and its edge, which can establish visual connectivity, accessibility and encourages recreation activities.
- Winning teams will be expected to help realise the projects by bringing them to an implementable level in the form of Detailed Project Reports (DPR) under the guidance of the overall master plan.

4.3 EVALUATION CRITERIA

The proposal of the team:

- Clearly articulates an innovative conceptual approach of the master plan for the rejuvenation of the Koundampalayam site
- Is environmentally sound, especially from a climate adaption and mitigation perspective
- Is promoting urban biodiversity and nature conservation
- Is inclusive in impact and participatory in its approach considering the local communities and relevant stakeholders and aims to improve the quality of life for all inhabitants
- Adheres to all existing norms and regulations of development
- Demonstrates a multi-disciplinary approach to the challenge
- Promotes social, health, cultural and ecological benefits
- Includes a youth/ gender/ user/ community balance in the proposal's approach and promotes a barrier free development
- Is an economically viable, sustainable, and implementable solution

STREAM 1*

Registered professional qualifications in any of these streams.

- Architecture
- Urban Design
- Landscape Architecture
- Spatial Planning (Urban, Regional, Town, City, Housing, Environmental, Infrastructure etc.)

STREAM 2**

Experience working closely with or in these streams will suffice

- Environmental science
- Ecology
- Public Health
- Hydrology
- Transport planning / Transit node designers
- Civil Engineering
- Sociology
- Anthropology
- Gender Studies
- Public Policy

Before the Competition

CHECKBOX for the Design brief

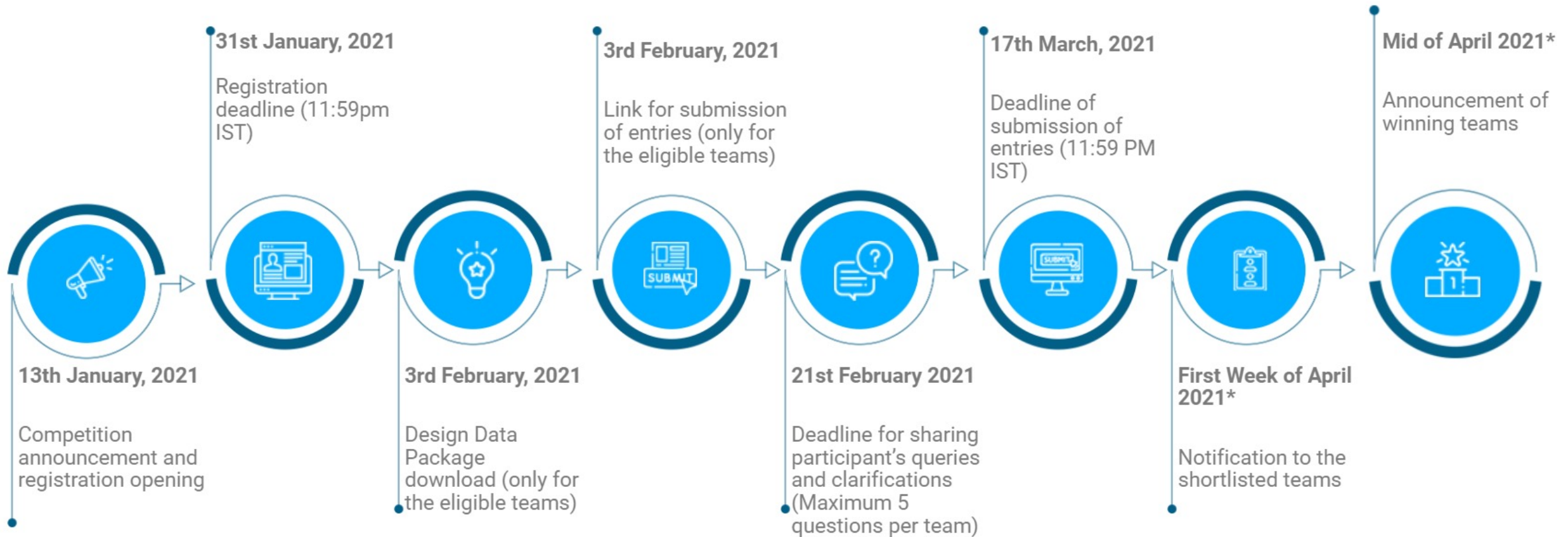
- Defining the type of competition - close or open format
- Providing a clear timeline from the announcement to the jury session
- Indicating the prize money for the winning teams
- Indicating the eligibility criteria
- Indicating exact submission requirements, methodology and expected outcomes

Design brief
(outcome)

3



During the Competition



During the Competition

Jury session and announcement of the winning teams

Coimbatore



Kochi



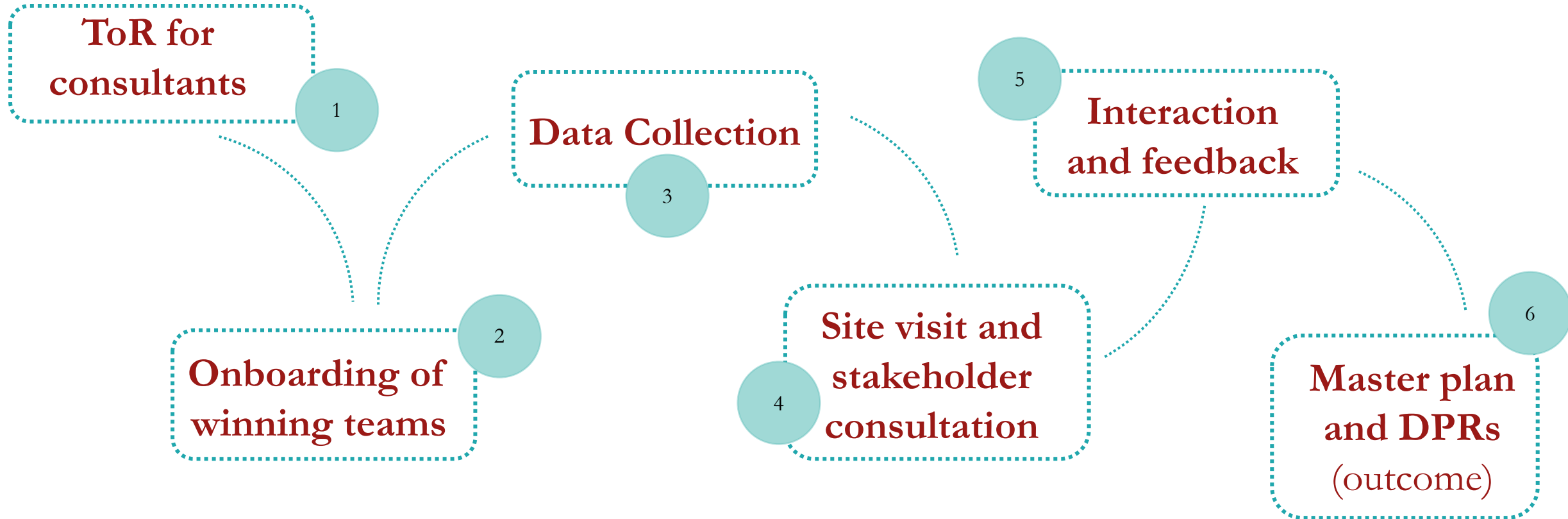


During the Competition

Public display

(outcome)

After the Competition- Common Vision





After the Competition- Common Vision

Co ໄໝ Design
Open Design Competition

**Co-Creating Resilient Communities.
Koudampalayam, Coimbatore**

Overall Master Plan Report

Implemented by
COIMBATORE CITY MUNICIPAL CORPORATION
giz

TARU rad

Co ໄໝ Design
Open Design Competition

**Co-Creating Resilient Communities
Koudampalayam, Coimbatore**

**Detailed Project Report for Corporation
Park area (A)**

Implemented by
COIMBATORE CITY MUNICIPAL CORPORATION
giz

TARU rad

Co ໄໝ Design
Open Design Competition

**Co-Creating Resilient Communities
Koudampalayam, Coimbatore**

**Detailed Project Report for Sanganoor
Pallam area (B)**

Implemented by
COIMBATORE CITY MUNICIPAL CORPORATION
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TARU rad

Co ໄໝ Design
Open Design Competition

**Co-Creating Resilient Communities
Koudampalayam, Coimbatore**

**Detailed Project Report for the Proposed
MGR Market (C)**

Implemented by
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TARU rad

**Manual:
How to Conduct
an Urban Design
Competition**

MANUAL

How to conduct an Urban Design Competition

The Case of EnteKochi



Implemented by
giz

urbz

Coimbatore

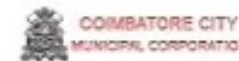
urbanista



MANUAL

How to do an Urban Design Competition

The Case of Coimbatore



Implemented by
giz

TARU

Coimbatore

The tale of two cities

UDC experience in
Kochi and Coimbatore

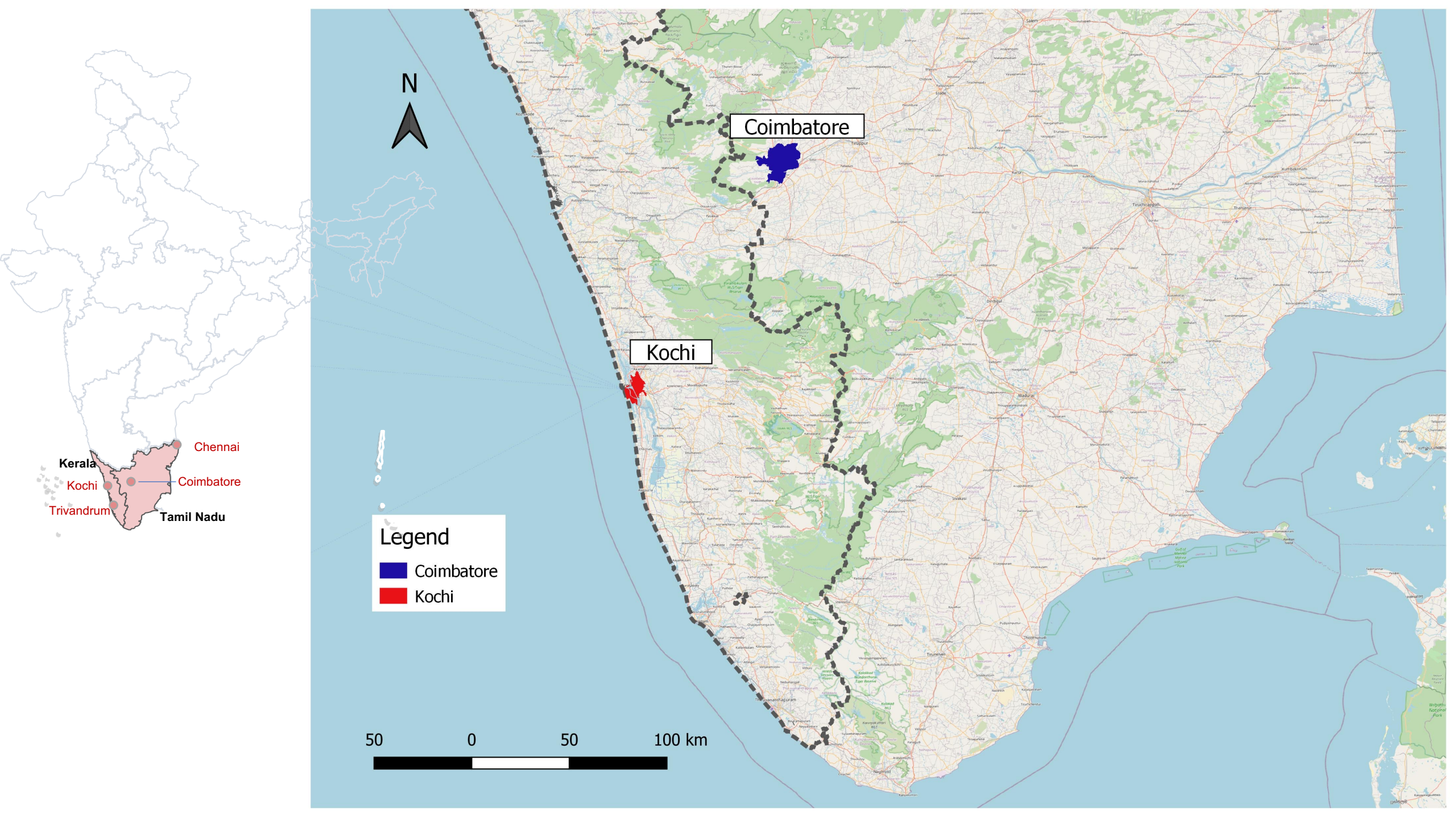


The tale of two cities

UDC experience in
Kochi and Coimbatore

Spatial Scale
Site Features
Focus areas
Institutional mechanism
Challenges
Aftermath





Coimbatore

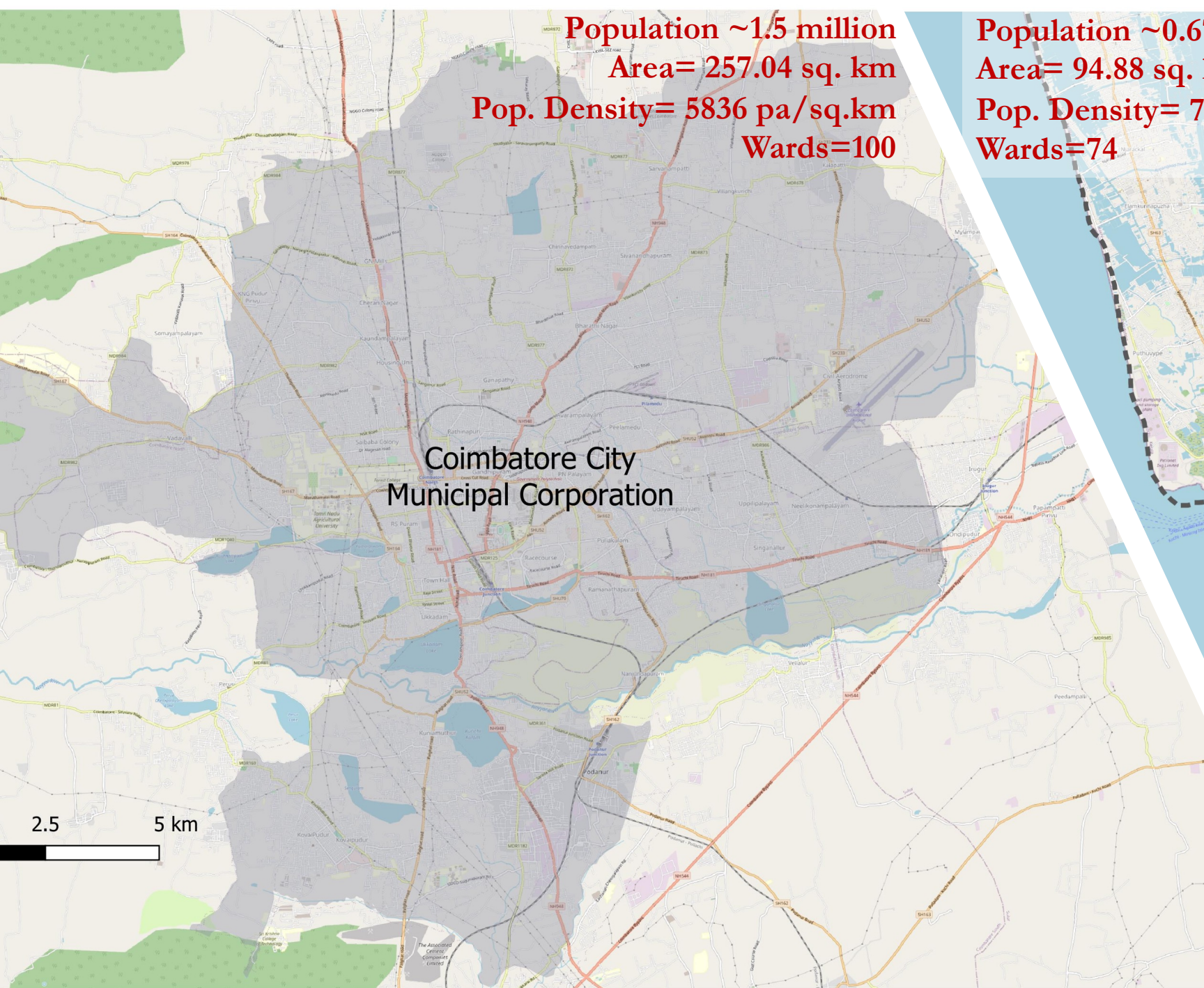
Kochi

Legend

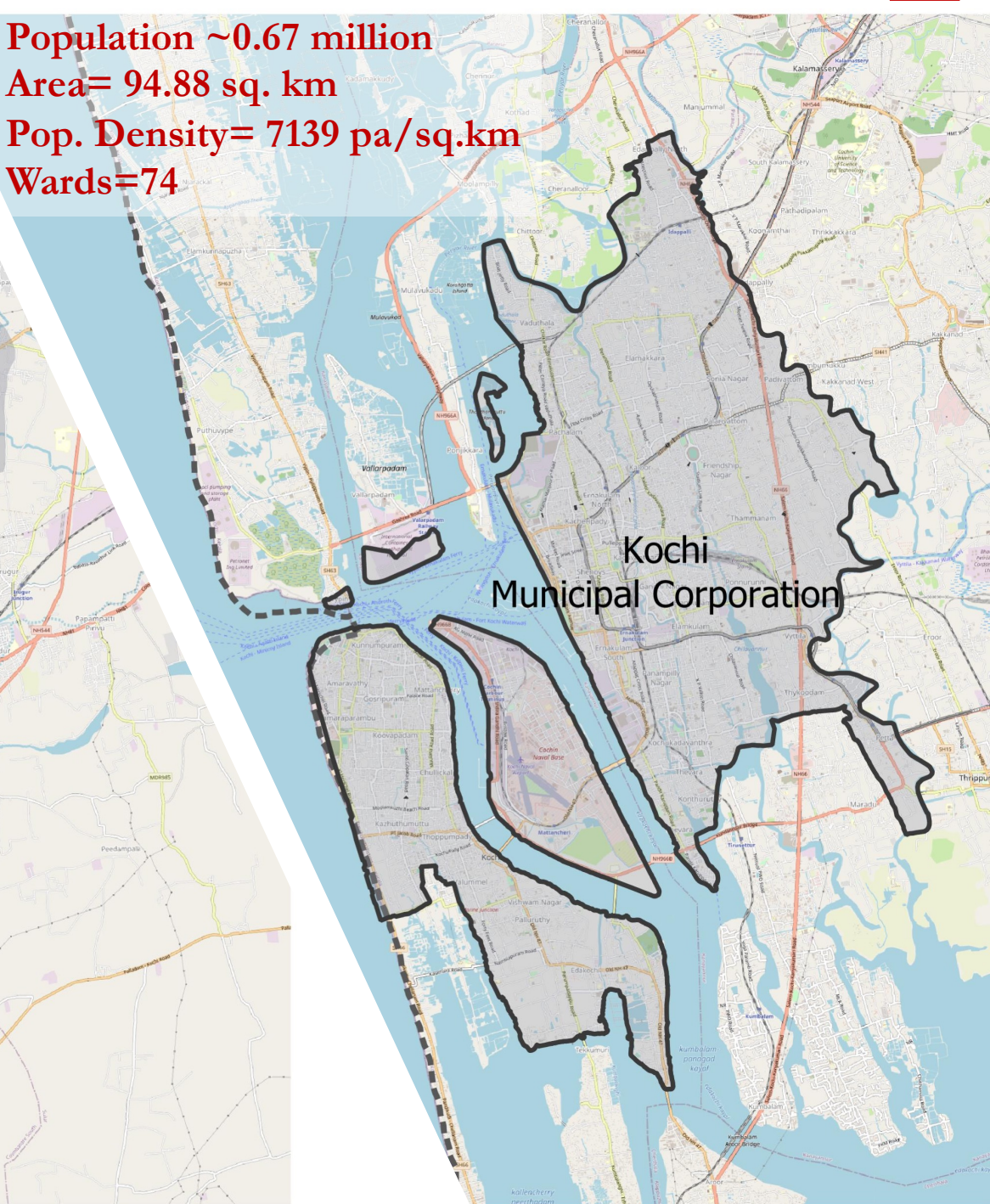
- Coimbatore
- Kochi



Population ~1.5 million
Area= 257.04 sq. km
Pop. Density= 5836 pa/sq.km
Wards=100



Population ~0.67 million
Area= 94.88 sq. km
Pop. Density= 7139 pa/sq.km
Wards=74



UDC - EnteKochi vs Co(Vai)-Design

July 2019 - End of 2021

Organizer

Kochi Municipal Corporation

Size: 1.5 km stretch of canal and surrounding area

Participants: 117

- **Short list:** 21
- **Winners:** 3

Duration:

Phase 0 (March- May 2019)

Phase 1 (June – Dec 2019)

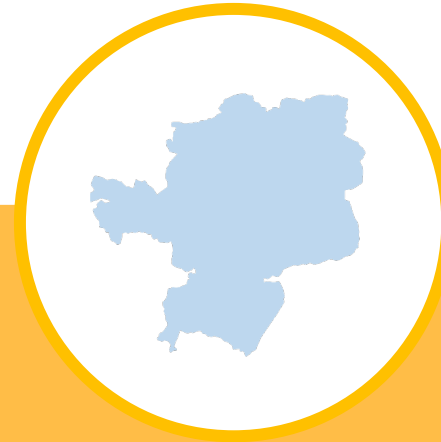
Phase 2 (Jan- Aug 2020)



Kochi

Thematic

Rethinking waste management, ecological sensitivity, mobility and walkability, public placemaking



Coimbatore

Thematic

Eco-friendly neighborhood, vibrant and dynamic solutions, inclusive designs

Jan 2021 - End of 2021

Organizer

Coimbatore City Municipal Corporation

Size: 102 acres (0.4 sq.km)

Participants: 74

- **Short list:** 13
- **Winners:** 3

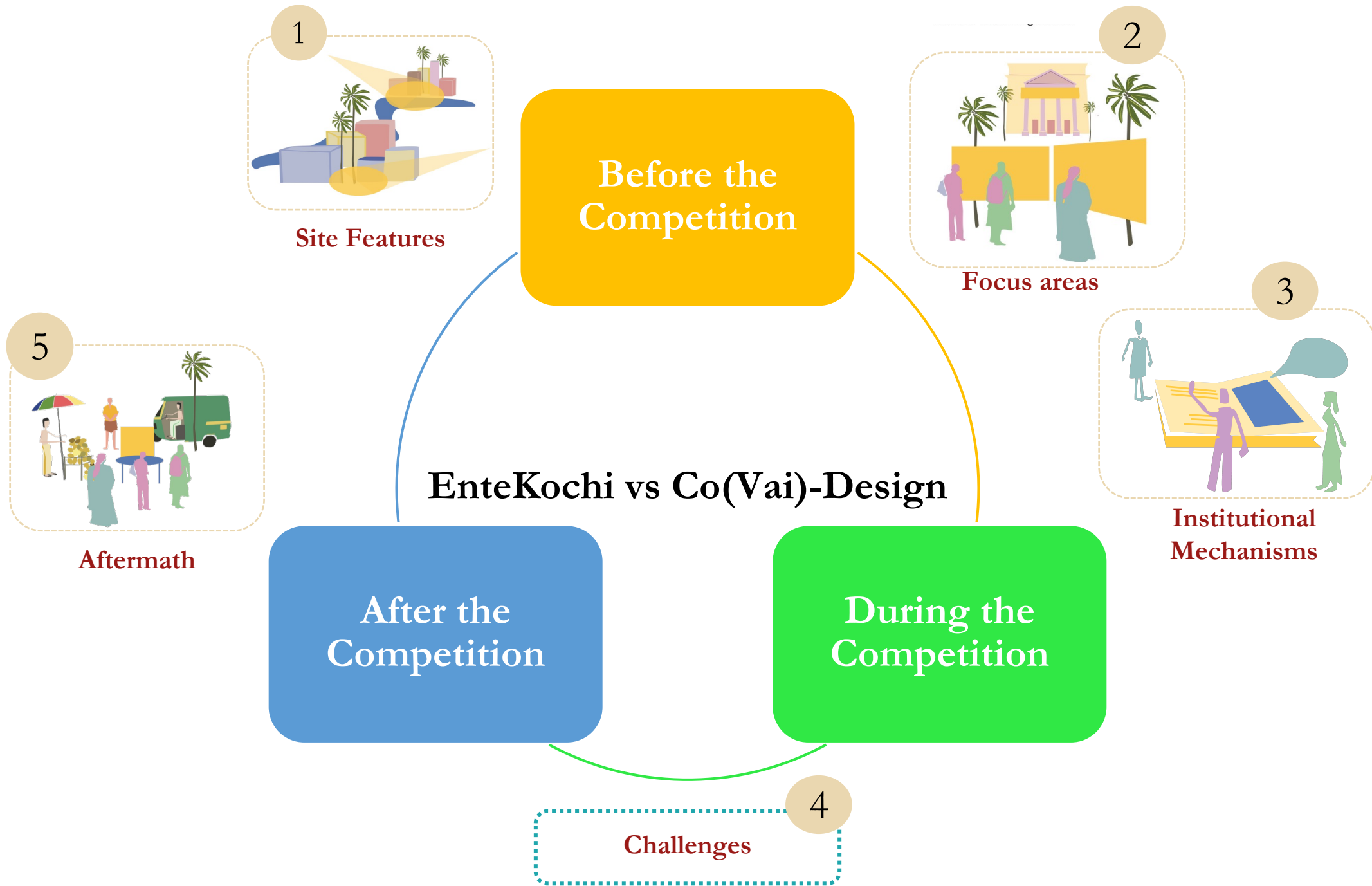
Duration:

Phase 1 (Jan- Apr 2020)

Phase 2 (May – Nov 2021)

Kerala

Tamil Nadu

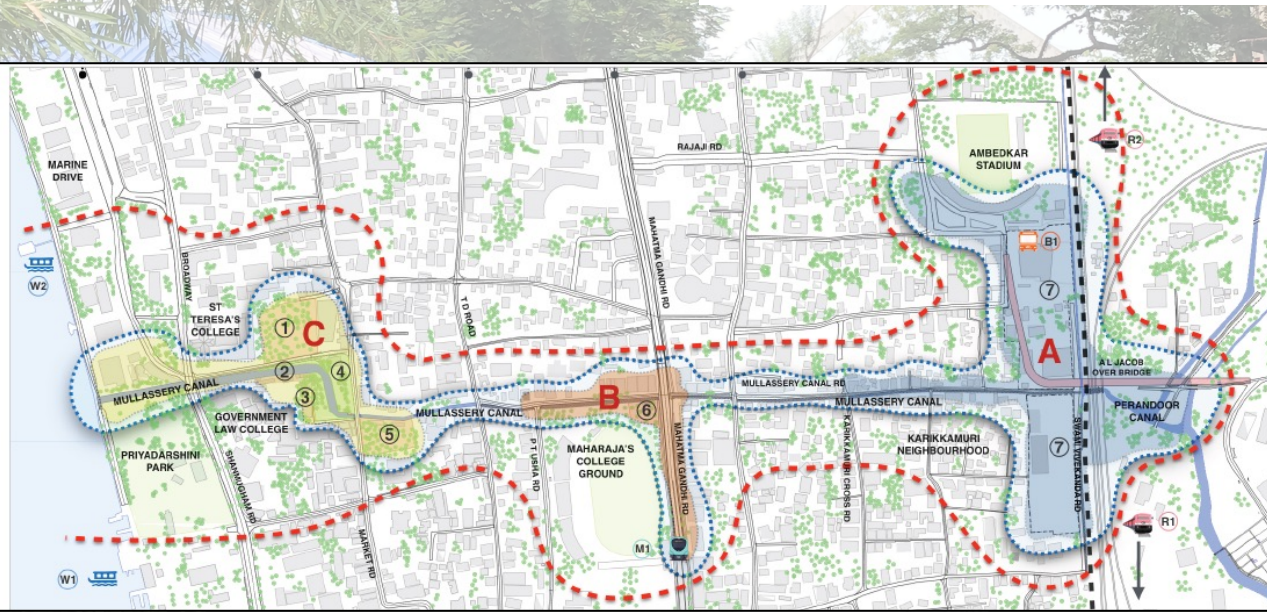


Site Selection

- Alignment with city vision
- Alignment with city developmental plan
- Institutional support – state and non-state
- Feasibility and timeline of implementation
- Political will

Kochi

Coimbatore



3 Sub-sites – Canal Precinct, Transport bus terminal, Canal edge, College ground, Street, Vendors, Waste management facility, Community neighbourhood, Backwaters edge



5 Sub-sites – Capped landfill, Defunct canal, Whole-sale vegetable market, Mix of formal and informal tenements, Residential neighbourhood, Government housing

Focus Areas

Kochi

Objective:

An integrated blue-green infrastructure for flood mitigation with public realm and streetscape improvements that improve citizen wellbeing, livelihoods, biodiversity and sustainable urban mobility.

- Rethinking waste management
- Ecological sensitivity
- Mobility and walkability
- Public placemaking

Coimbatore

Objective:

Generate dynamic, climate responsive and integrated design interventions aligned with civic projects that revitalizes the selected site in a contextually sensitive, inclusive and sustainable manner

- Development of green spaces
- Establishing connectivity through a sustainable urban mobility plan
- Inclusive Urban Design
- Improving Urban Services
- Whole-sale vegetable market redesign
- Canal Rejuvenation
- Waterfront development

Institutional Mechanism

Kochi

Government

- Core- Kochi Municipal Corporation (Core)
- Primary- Ernakulam District Administration, Kerala State Transport Corporation (KSRTC)
- Secondary- Kerala Irrigation Department, Cochin Smart Mission Ltd (CSML)

Non-Government

- Residents Welfare Association, Vendors associations, Community Development Organisation, NGOs, Women SHGs

Coimbatore

Government

- Core – Coimbatore City Municipal Corporation
- Primary: Coimbatore Smart City Limited
- Secondary – Tamil Nadu Housing Board and Tamil Nadu Urban Habitat Development Board

Non-Government

- Vegetable Market Association, Residential Welfare Association, Community Development Organisation, NGOs

Challenges

Kochi

- Institutional- Multilevel governance- city & state
- Socio-political- Rehabilitation of Vendors, settlements
- Political Environment- partner expectations of implementable outcome

Coimbatore

- Institutional – Overlapping jurisdictions
- Socio-political – Interventions in untenable settlements
- Political Environment- changing political environment and leadership

Aftermath

Kochi

- Budget allocated for revitalisation of canal precincts
- District Administration- Operation Breakthrough project ongoing- design solutions- master plan & DPR
- Subsite A- Transport terminal- Design proposal considering Master plan & DPR
- Thematic approach- 'Integrated Blue-green infrastructure'

Coimbatore

- Selection of priority projects under the state innovation fund
- Modular approach – Uptake of sub-site approach Eg: Market redesign
- Thematic approach: Circular economy, Waterfront development, and Urban Green Spaces
- Streetart encapsulating the UDC process on the walls of the public school districts in the site

Questions to the audience

- What is a successful output of such a process?
- How to upscale Urban Design Competitions to the institutional level (horizontal and vertical)?
- When to best make use of digital solutions in the participation process (before, during, after competition)?

Thank you!

Sustainable Urban Development- Smart Cities II (SUD-SC II)



german
cooperation

DEUTSCHE ZUSAMMENARBEIT

giz Deutsche Gesellschaft
für Internationale
Zusammenarbeit (GIZ) GmbH

During the Competition

