



Ho Chi Minh City Viet Nam

Technical Deep Dive on Urban Heat, Apr 24-28, 2023 (Singapore)

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Key challenges



Impacts from
climate change &
urban heat island



Rapid urbanization
resulted in
urban sprawl



Pressure of
economic growth
(value from land)
over an already-
crowded
city territory

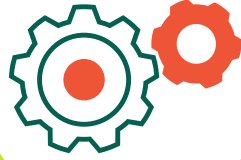


Awareness &
capacity
constraints of a
growing-up
market

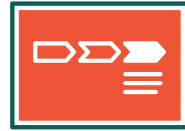


Gap between
planning &
implementation

Learning goals



Approach to issue identification, strategy and solutions



How urban heat is put in the country/city agenda and action plans



Examples/methods of quantifying economic/social impacts from UH



Learn from other cities' experiences on tackling urban heat
Especially very helpful in the current process of our city development (revision of the City master plan)

Key takeaways from the TDD

1

Urban heat is a multi-disciplinary issue and must be dealt in relation to other aspects (economic, social, etc)

2

Urban heat strategy is of different levels and scales: city-wise, neighbourhood-scale, urban feature/building-scale



Integrated into master plans, zoning plans, urban design, architectural guidelines, building codes, etc.

3

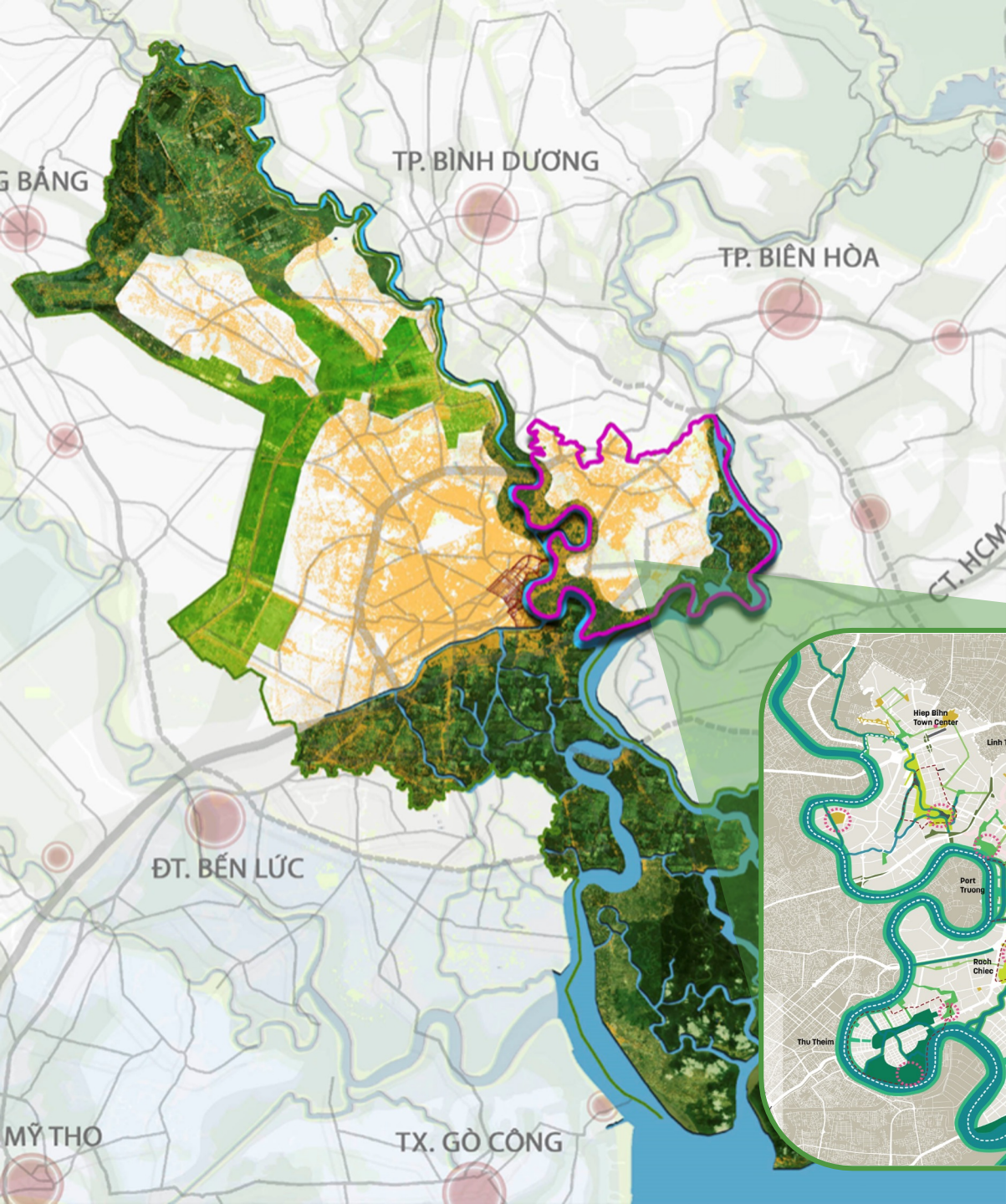
A participatory approach and work plan including all the stakeholders, players, facilitators, etc

4

Active and passive (technological) solutions

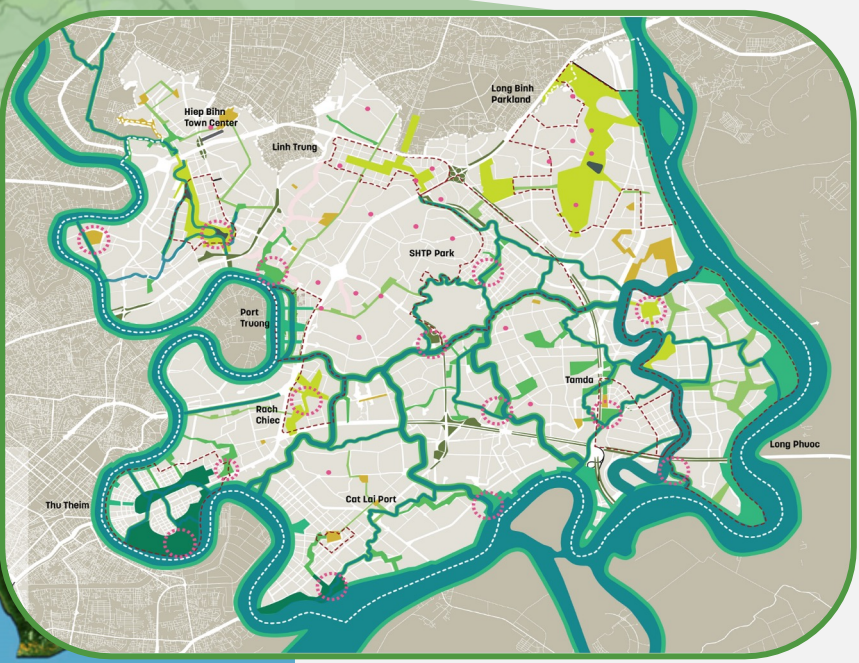
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Mapping and Visualization/Simulation tools



Transfer to our context

- HCMC Master Plan 2040-2060
- Master plan of Thu Duc City 2040



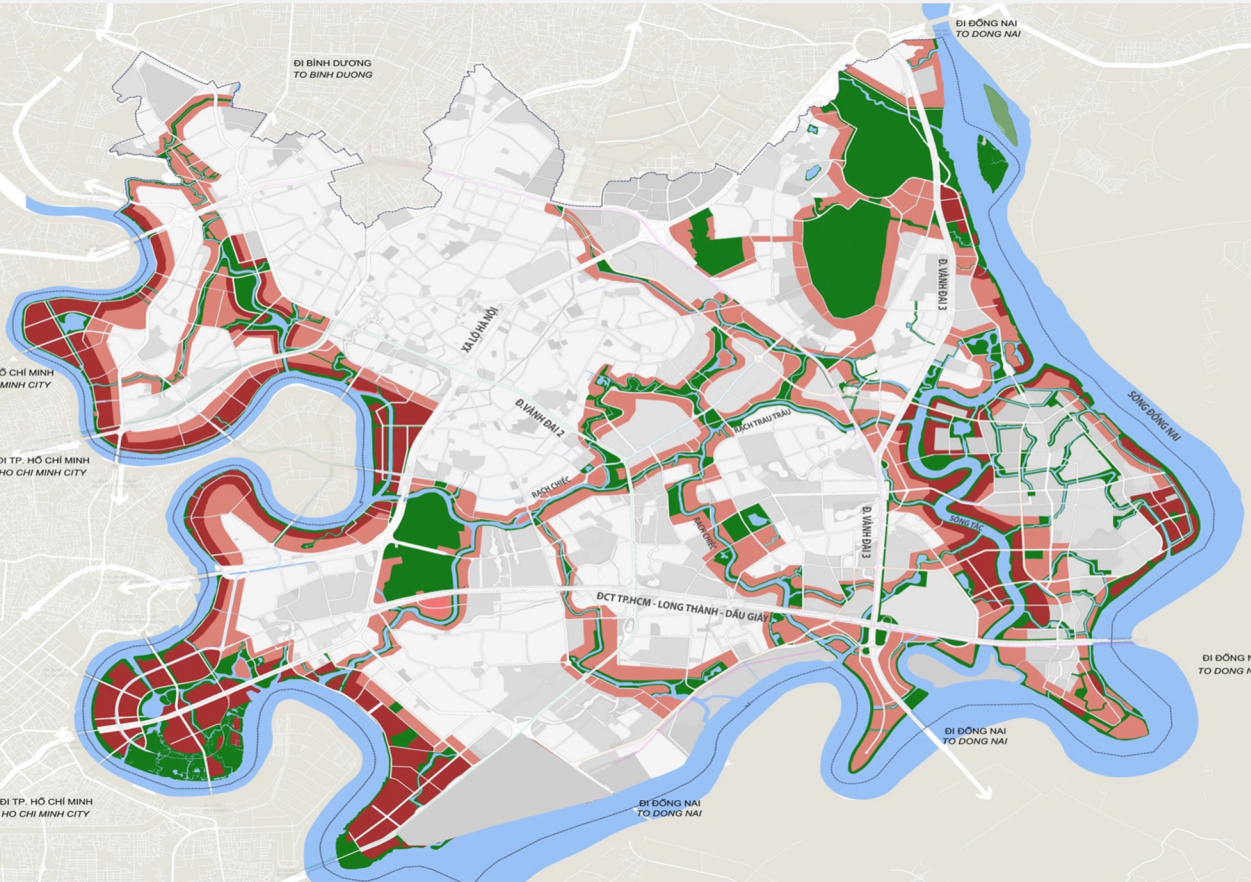
Integration in the master plans

Transfer to our context (cont.)

Zoning-scale: “Bring the people to green and blue spaces”



Promote a system of parks, & canals with cultural corridors (Thu Duc City)



Transfer to our context (cont.)

Project-scale:

Implementation of quick solutions



Proposal of canopy along Le Loi Boulevard



Urban greening projects



1 Lack of priority and a clear commitment from the city government on urban heat



2 Lack of a holistic and practical approach to urban solutions for urban heat (spatial planning, policy, mechanism, etc)



3 Few scientific research, surveys and mapping of urban heat in the City



4 Limited city budget and not financially attractive for private investment



5 Difficulties in engaging and coordinating among stakeholders



Barriers to implementations & solutions

Action plan & accountabilities



Short-term

- Integration into HCMC Masterplan
- Research and surveys
- Mapping of urban heat patterns
- Urban quick actions (“low-hanging fruits”, neighbourhood projects, etc.)



Medium-term

- Clear prioritization in the City agenda
- Regulations, guidelines & building codes
- Allocation of budget
- PPP



Long-term

- Implementation of City Master Plan
- Major projects to create/revitalize blue & green spaces (canals, parks, etc.)

Follow up with Singapore partners



Urban
Redevelopment
Authority



Center for
Livable
Cities



Housing &
Development
Board

Thank you!

