

**Economy + Environment + Equity**



**Strengthening Capacity for Environmental Law in the Asia-Pacific.  
Train the Trainers Program. ADB. Manila 1 June 2015**

**Platform for Integrated Urban Development and Environment Planning**

# Enabling GrEEEn Cities

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Economy + Environment + Equity



# Presentation Outline

## I. GrEEEn Cities Operational Framework (GCOF) for Integrated Urban Planning and Environmental Management

Green City Action Plans ( GCAP) and Urban Management Partnerships (UMP)

## II. Climate Resilience

Asset Management

## III. Applications - Case Studies

Vietnam, Malaysia



# THE SYMPTOMS





**“Doctor, doctor!”**



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**“I’ve been exposed to anthrax and need antibiotics urgently!”**



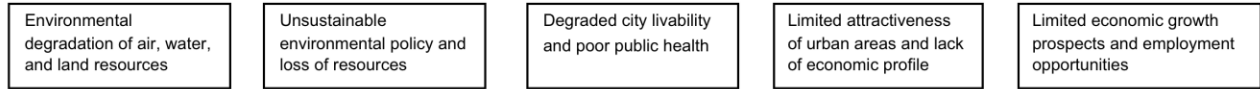
© AIM-CDM



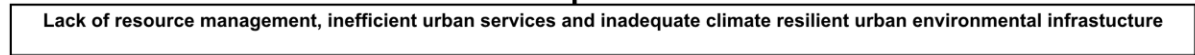
# Problem Tree

## PROBLEM TREE – SCDP II

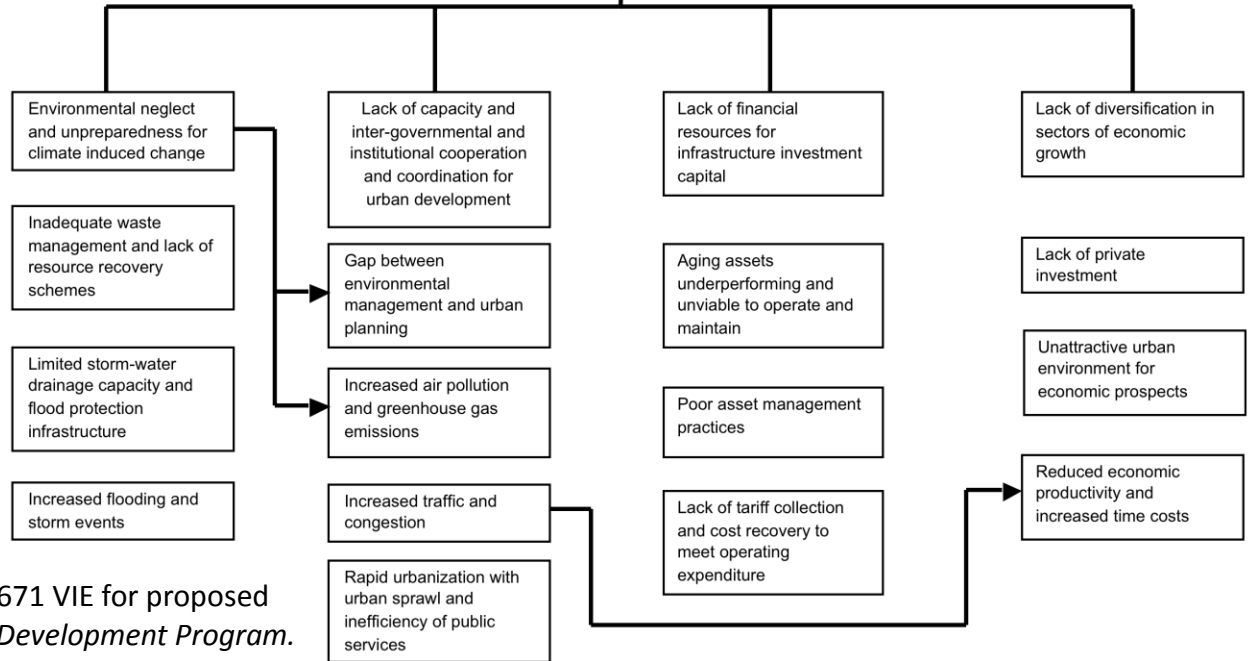
EFFECTS



CORE PROBLEM



CAUSES

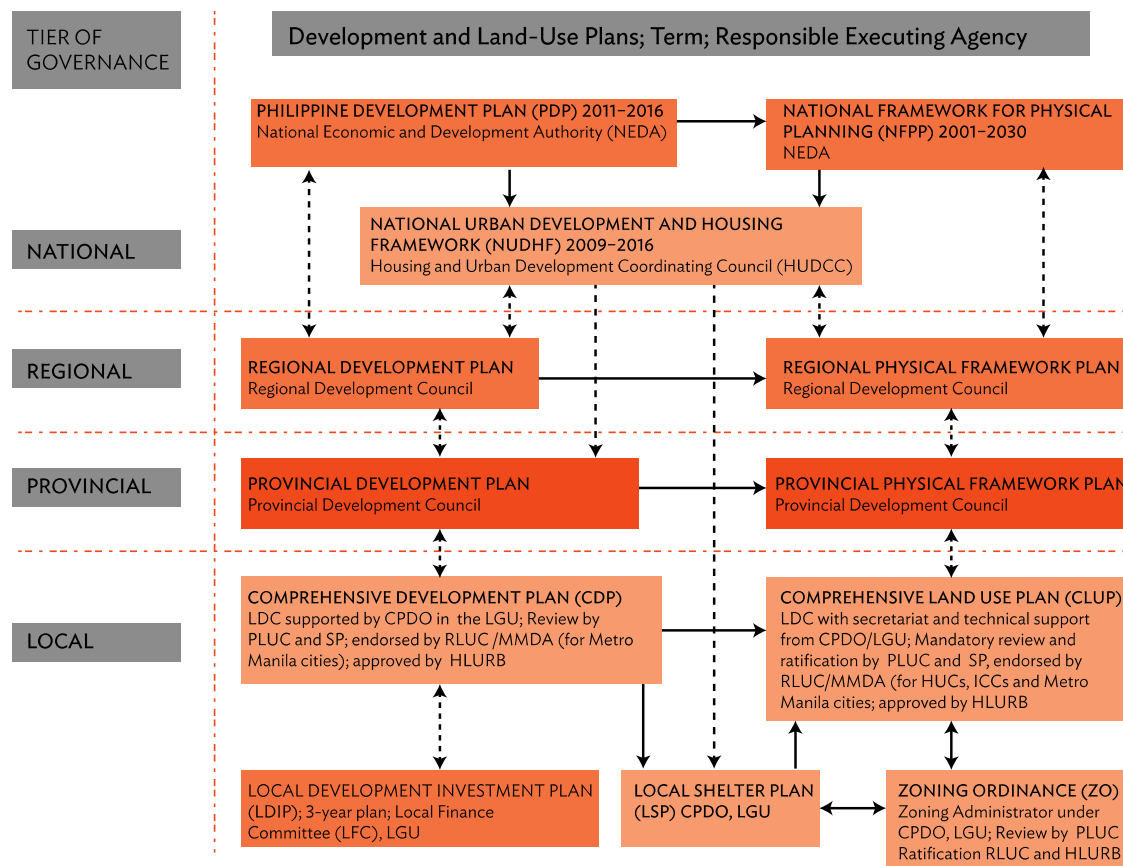


ADB. 2014. Technical Assistance TA-8671 VIE for proposed investment loan for *Secondary Cities Development Program*. Concept Paper. Asian Development Bank. Manila



# Philippines National Urban Assessment

Chart 3. Philippines Urban Planning Framework: Tiers and Linkages

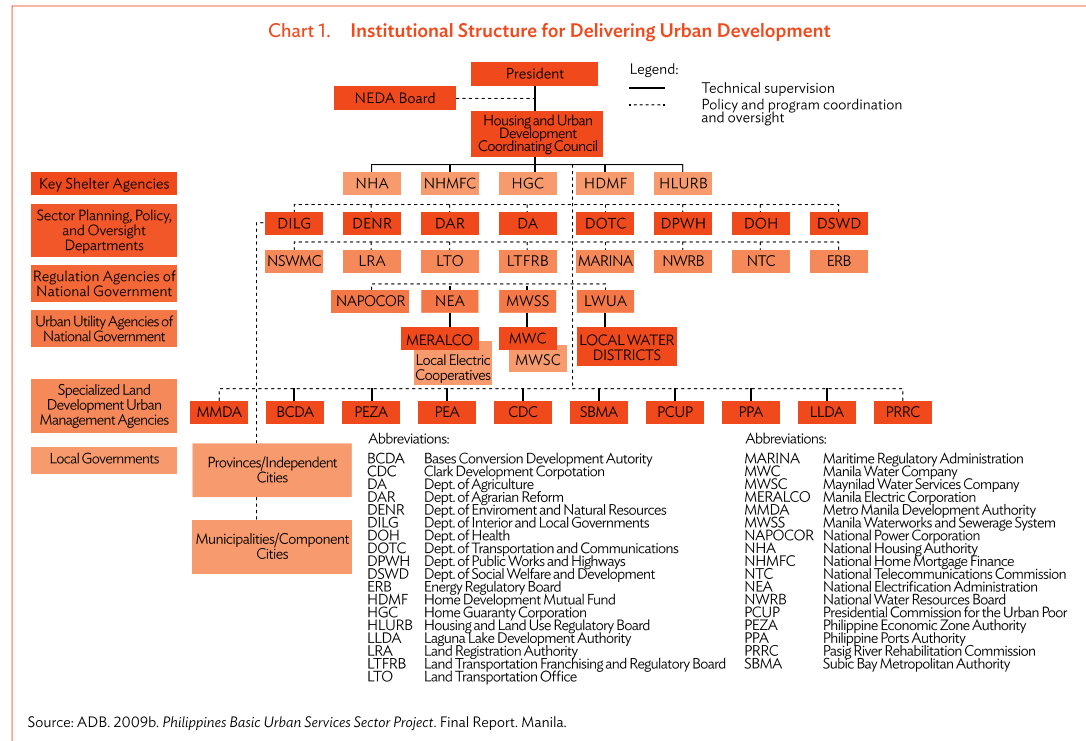


CPDO = City Planning Development Office, HLURB = Housing and Land Use Regulatory Board, HUCs = highly urbanized cities, ICCs = Independent Component Cities, LDC = Local Development Councils, LGU = local government unit, MMDA = Metro Manila Development Authority, PLUC = Provincial Land Use Committees, RLUC = Regional Land Use Committee, SP = *Sangguniang Panlalawigan*.

Source: Author's analysis.

# Philippines National Urban Assessment

- Urban Governance and Management Capacity
  - Decentralization Limitations
  - Inter-Jurisdictional Coordination
  - Strengthening Urban Management Capacity





# I. The GrEEEn Cities Operations Framework (GCOF)

Green City Action Plans ( GCAP)  
Urban Management Partnerships (UMP)



# Livability Triangle

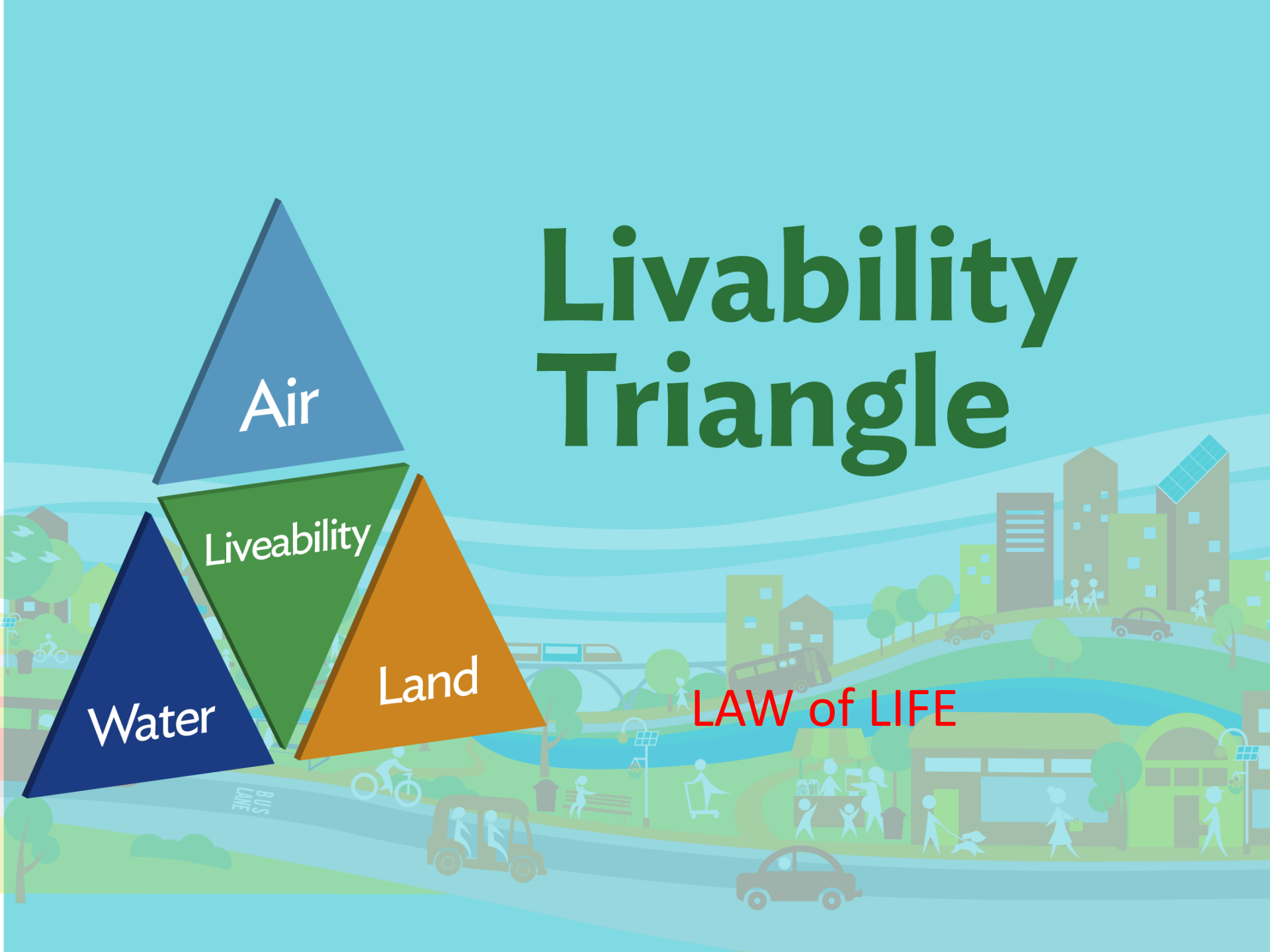
Air

Liveability

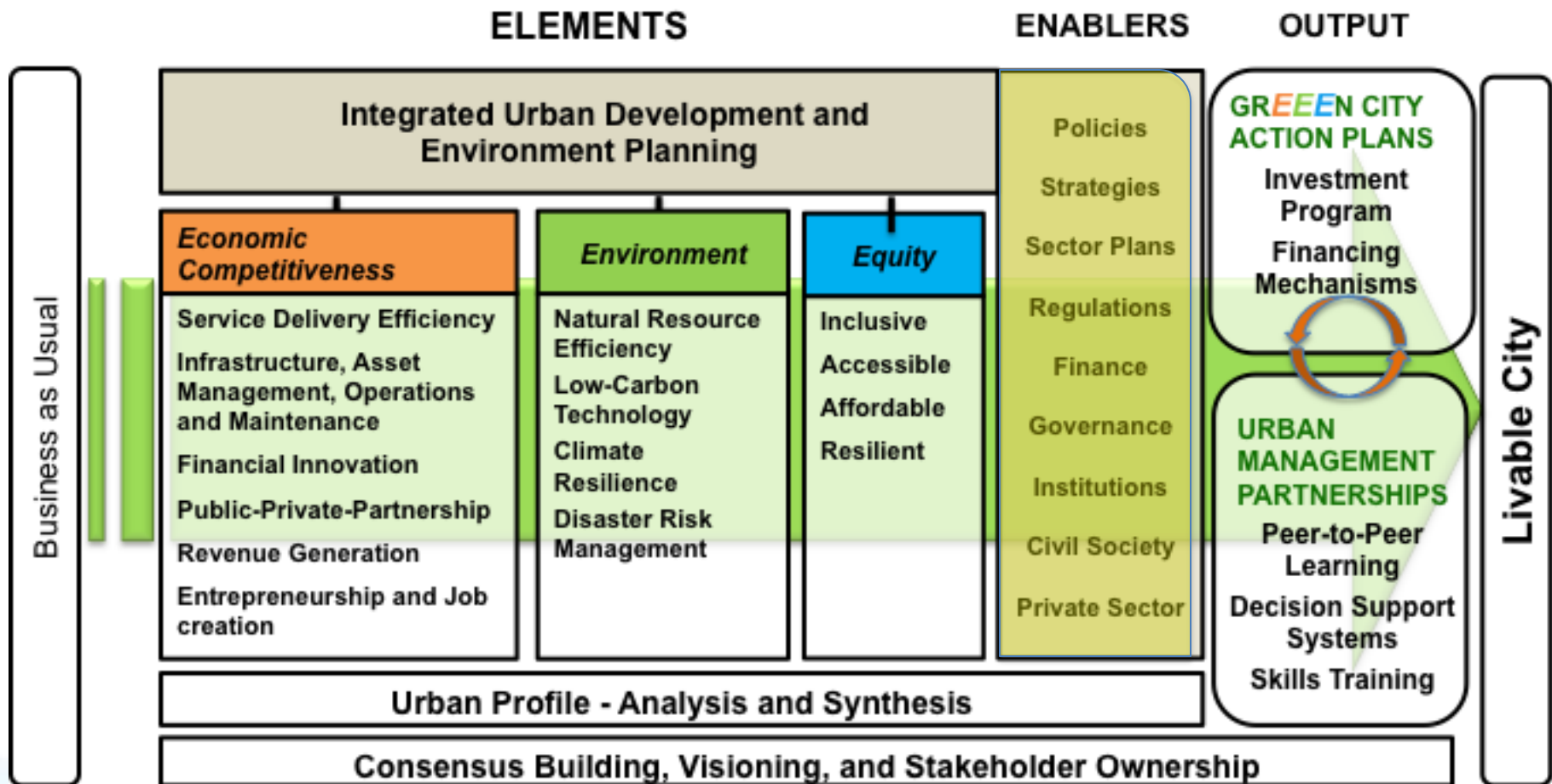
Water

Land

LAW of LIFE



# GrEEEn Cities Operational Framework



Sandhu, S. and Naik Singru, R. 2014. *Enabling GrEEEn Cities: An Operational Framework*. Southeast Asia Department Working Paper Series No. 9. November 2014. Asian Development Bank. Manila.



# GrEEEn Cities System

Individual actions generate narrow benefits

Actions **combine** to generate additional **co-benefits**





# GrEEEn City Action Plans

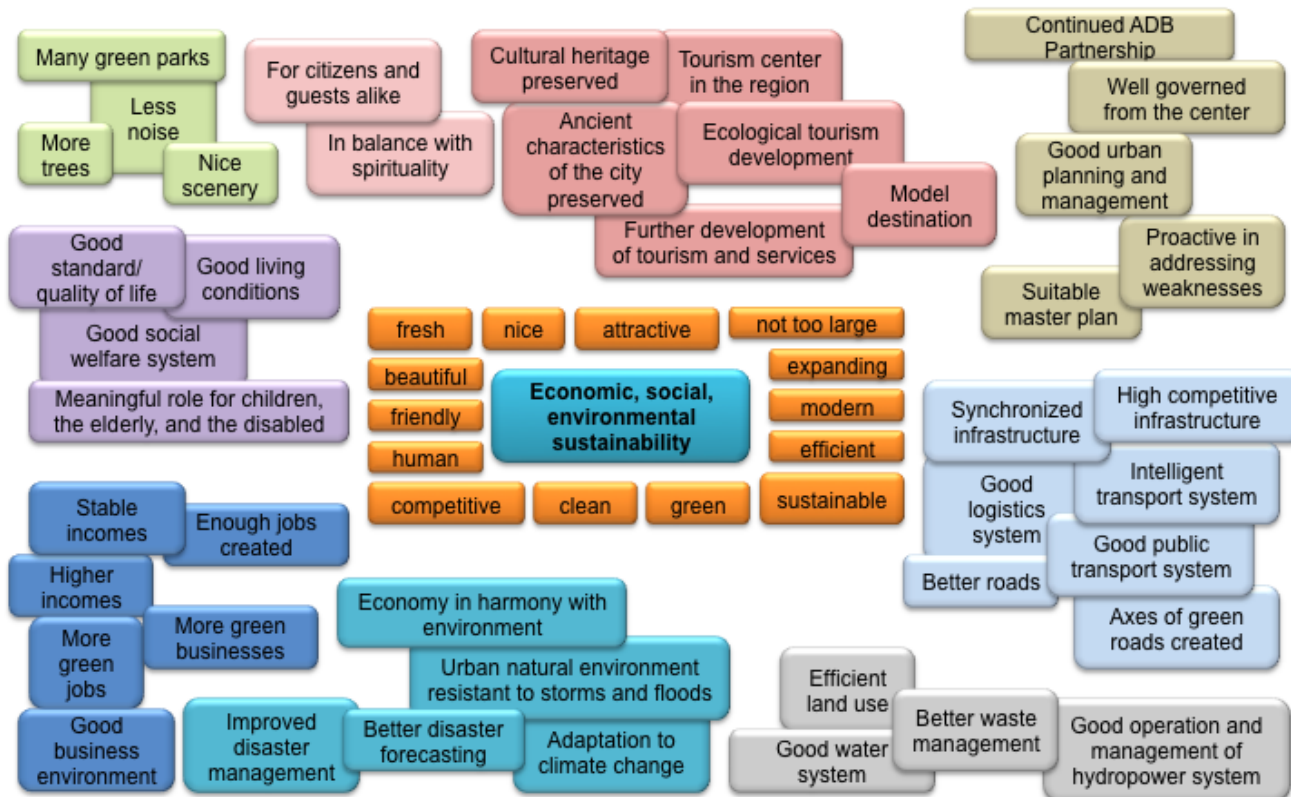
## Outcome based actions and investment program



# Visioning

## What would you want your city to be in 10 years?

*"A city with excellent physical conditions is not enough if the people who live there are not happy."*



# GCAP Hue



**Outcome based actions and partnerships**



1. WW treatment and collection system
2. Drainage improvements for 4 wards
3. Rehabilitate ponds and canals
4. Landfill in Huong Binh.
5. Energy efficient street lighting
6. City wide water monitoring

1. Expand tourism
2. New crafts market in Thuy Xuan Ward
3. Expand hue by night
4. Non-motorized transport

1. Promote bicycle use
2. Urban link roads for connectivity
3. Peripheral parking facilities
4. Tramline on existing railway alignment



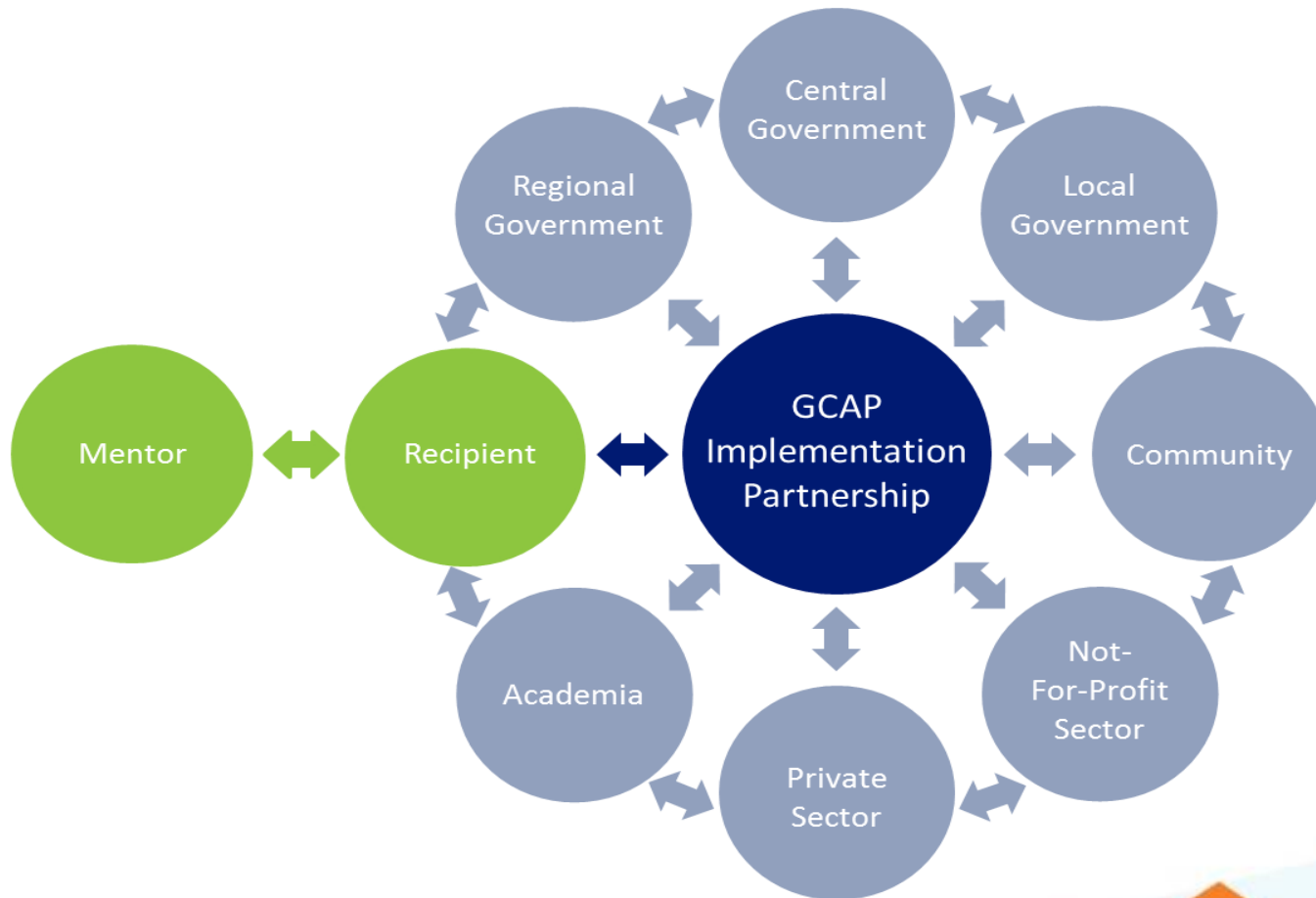
# Urban Management Partnerships

## Outcome based actions and partnerships

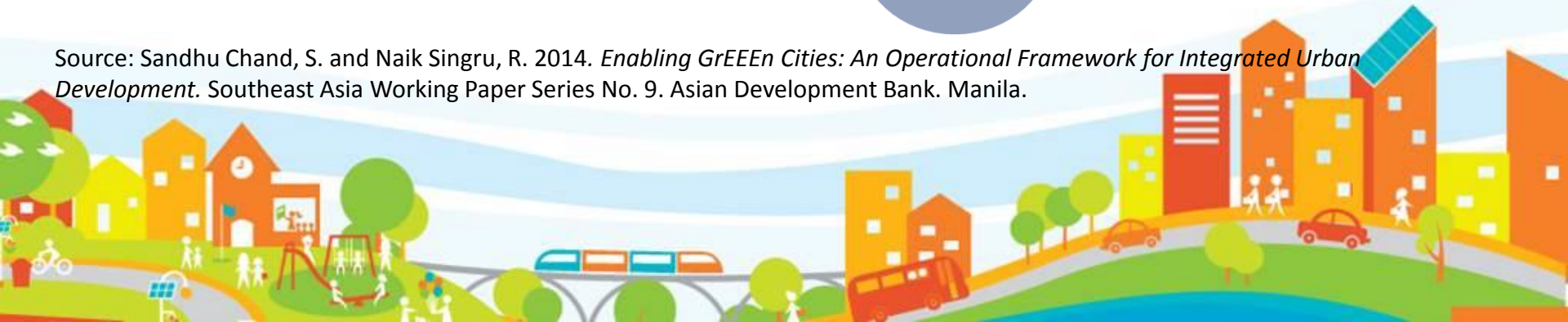




# Urban Management Partnership



Source: Sandhu Chand, S. and Naik Singru, R. 2014. *Enabling GrEEEn Cities: An Operational Framework for Integrated Urban Development*. Southeast Asia Working Paper Series No. 9. Asian Development Bank. Manila.



## II. The GrEEEn Cities Approach and Resilience

### Asset Management



# Asset Management and Resilience

## The GrEEEn Cities Approach



### **Institutional Capacity**

**Resources ( human, financial)**

**Policy and Plans**

**Operation and Maintenance**

**City development strategy**

**Built assets & natural assets**

**Optimum design solutions**

**Environment, climate and social impacts**

**Planning and**

**Engineering standards**

### **Innovative Finance**

**Operation and Maintenance**

**Costs of environment and climate risks**

**Urban management partnerships (UMP)**

**Community participation & monitoring**



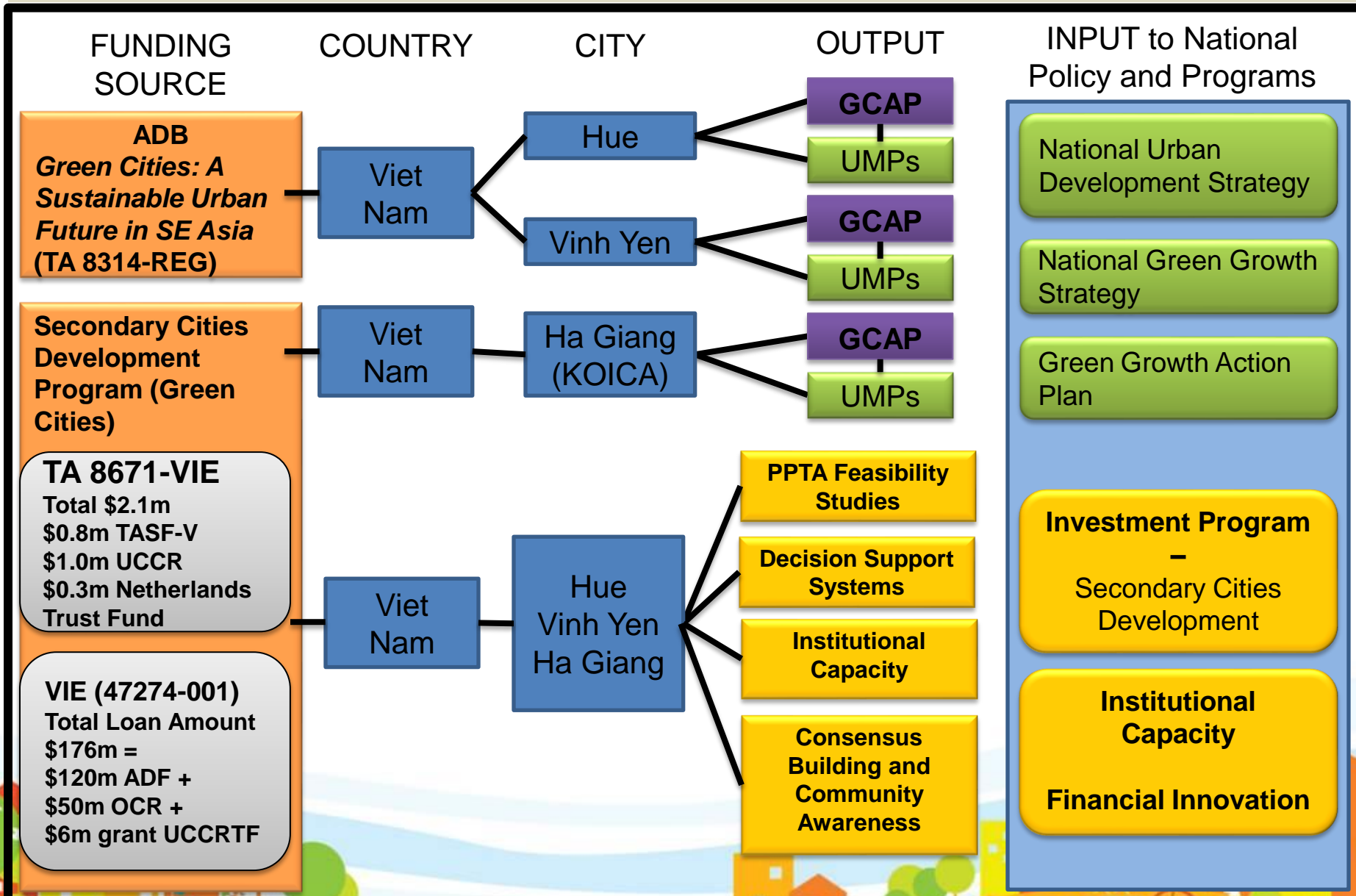
## III. Applications

Vietnam  
Malaysia





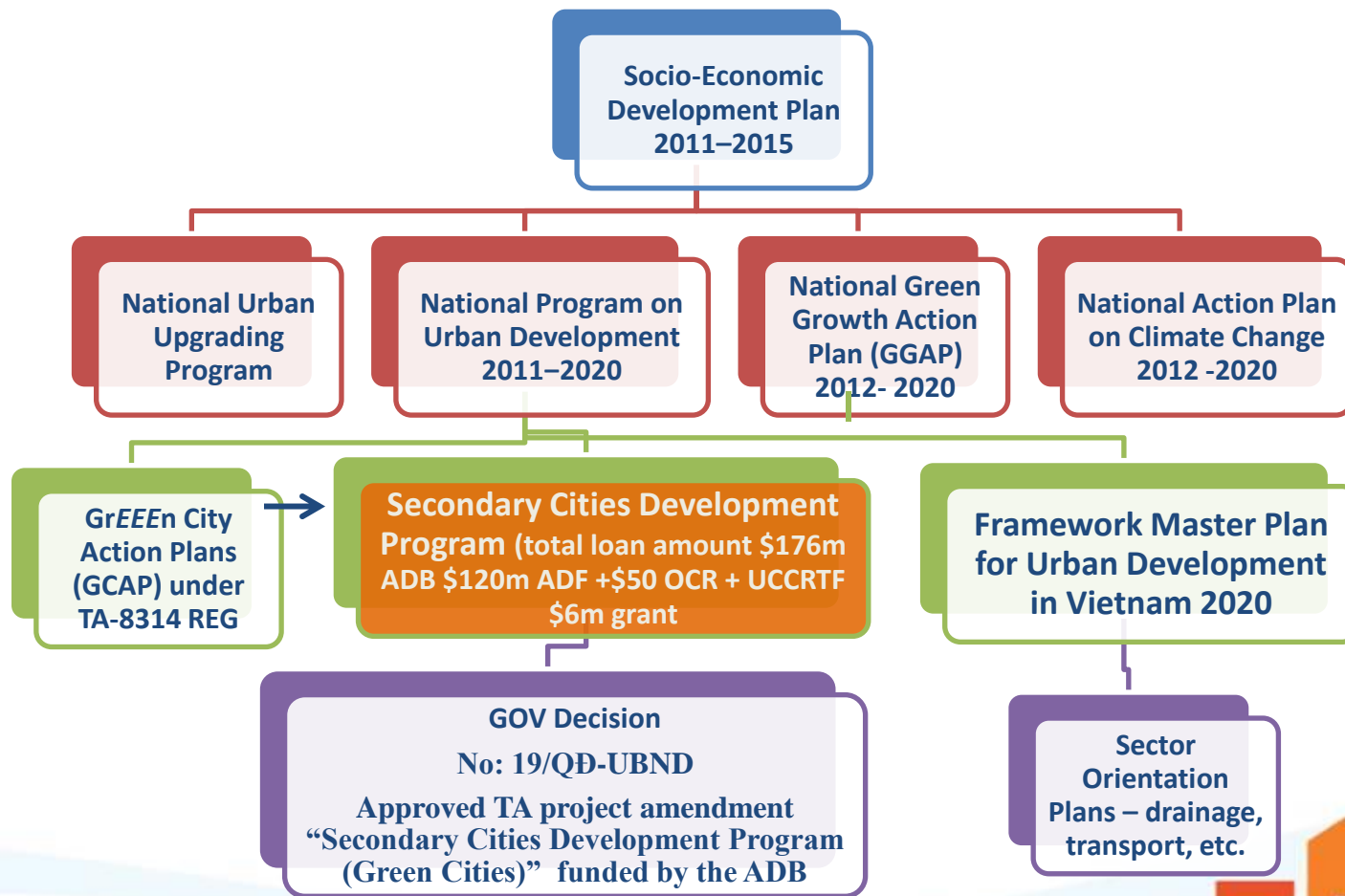
# Vietnam Country Systems : SCDP Design



TASF – Technical Assistance Special Fund, GCAP – Green City Action Plan, UMPs – Urban Management Partnerships, PPTA – Project Preparatory Technical Assistance

# VietNam Country Systems:

## National Socio Economic Development, Environment and Urban Development Programs, Green Growth, Climate Change, Resilience



### Supporting Decrees:

- Government of Viet Nam. 2009. No. 785/QĐ-TTg: Decision on the Approval of the National Program on Urban Upgrading Ha Noi, 8 June.
- Government of Viet Nam. 2012. No. 1659/QĐ-TTg: Decision on the Approval of the National Program on Urban Development in 2011-2020 period
- Government of Viet Nam. 2012. No. 1393/QĐ-TTg: Decision on the Approval of the National Green Growth Strategy, 2012 – 2020 Ha Noi, 25 September.
- Government of Viet Nam, Ministry of Planning and Investment. 2014. draft National Action Plan on Green Growth in the period 2012-2020.
- Government of Viet Nam. 2012. No. 1474/QĐ-TTg: Decision on Promulgation of National Action Plan on Climate Change in the Period of 2012-2020, Ha Noi, 5 October.
- The Development Orientation of Urban and Industrial Parks Drainage in Viet Nam to 2025 and Vision to 2050 (approved in 2009 under Decision No. 1930/QĐ-TTg). Ha Noi;
- Government of Viet Nam. 2009. Decision 1327/QĐ-TTg. Planning of Road Transport Development in Viet Nam to 2020 and Vision 2030. Ha Noi.



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