

GREEN CITIES INITIATIVE

Green Cities: TA 8314 - SEUW Towards a Sustainable Urban Future in Southeast Asia

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ADB Strategic and Thematic Operational Plans

INTEGRATED URBAN DEVELOPMENT

ENVIRONMENT PLANNING
 AND MANAGEMENT

TECHNOLOGY IMPROVEMENT

 INNOVATIVE FINANCING AND INSTITUTIONS

POLICY AND GOVERNANCE

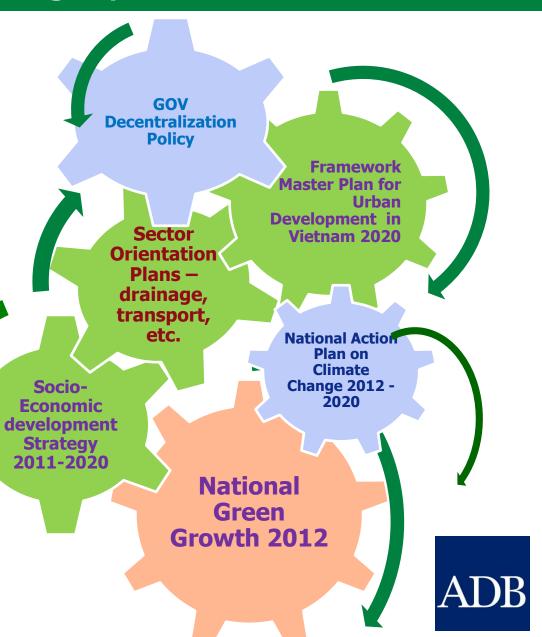
ENHANCING CAPABILITIES



Country Enabling Systems- Vietnam



- ENVIRONMENT PLANNING
 AND MANAGEMENT
- TECHNOLOGY IMPROVEMENT
- INNOVATIVE FINANCING AND INSTITUTIONS
- Policy and governand
- ENHANCING CAPABILITIES



Green Cities

bridging urban planning and environment management



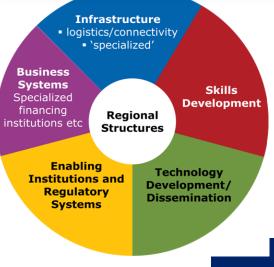








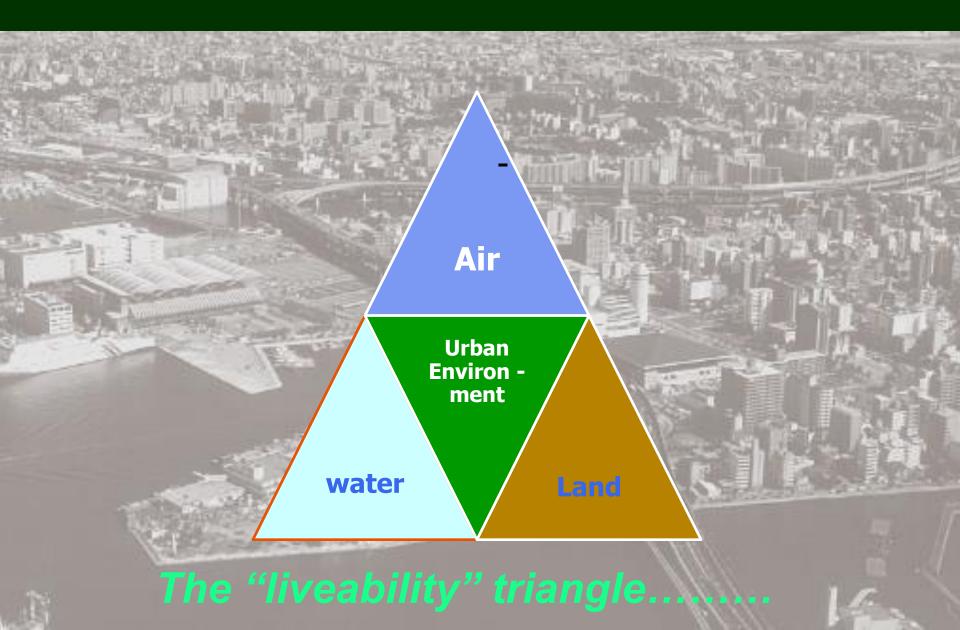








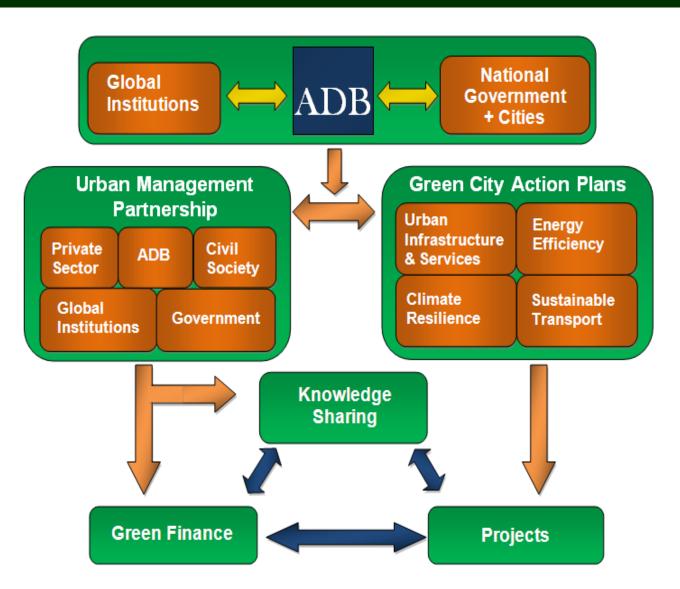
Green City Balance



Cities: "Metabolic" Units

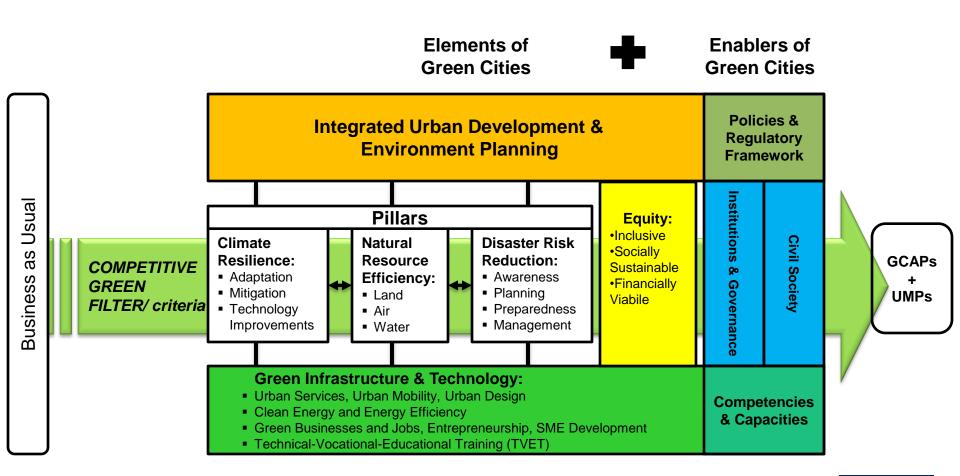


SEUW Green Cities Initiative





TA-8314- Green Cities Approach





TA - 8314 - outputs

I. Green City Action Plans

- Vision, goals and a time based plan
- spatial development plan, socio-economic and environmental co-benefits,
- investment programme, leading to environment quality improvements, climate resilience, and revenues
- performance monitoring indicators for green targets,
- institutional mechanisms
- innovative financial modalities
- citizen's feedback system to ensure accountability



TA - 8314 - outputs

II. Urban Management Partnerships

Peer-to-Peer learning for urban transformation

- Engage "mentors" from "transformed cities", municipalities, utilities, academia, private sector, local government
- Sharing knowledge, practices and processes of change
- Improving competency in integrated urban & environmental planning, climate resilience, energy efficiency and project management
- Skill development and vocational training
- innovative financing mechanisms for urban infrastructure

The partnership will be replicated to other countries in the region.



Green city approach.....building resilience....Infrastructure and Communities

Climate resilience

Natural resource efficiency

Disaster Risk Management

- Infrastructure, Planning, design, construction standards
- Technology improvements
- Coping mechanisms

Urban renewal, Atlanta USA

- Urban watershed based planning
- Solid waste
- WS, WW, Stormwater, drainage

- Increased protection of communities
- Public space mgmt
- Urban mobility, urban renewal

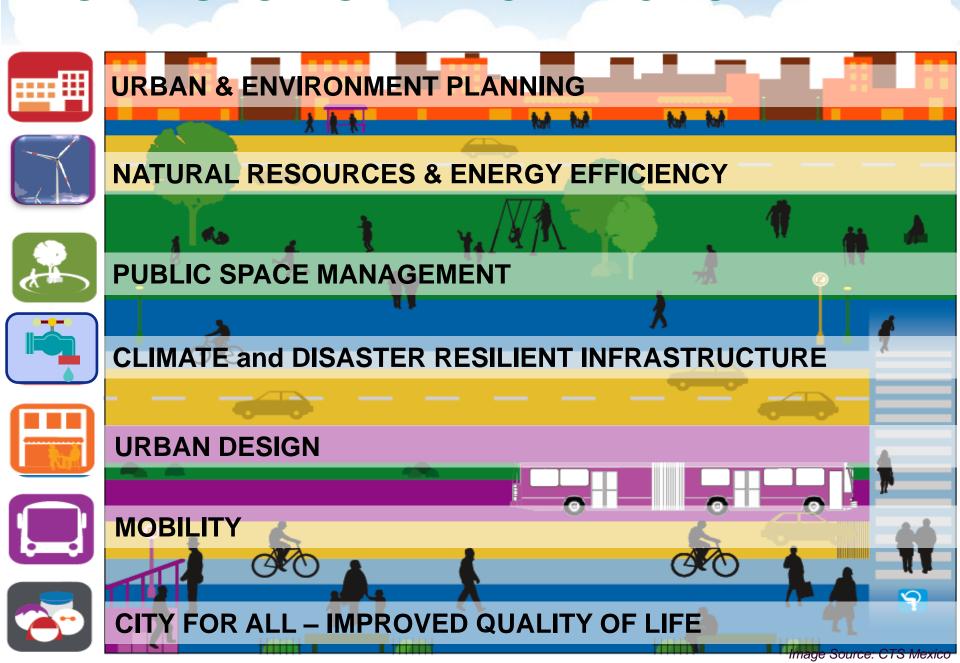


Urban Watershed based planning



River restoration community protection Melaka . Mal

SNAPSHOT: GREEN CITY ACTION PLAN



Green City System – flexibile and scalable

SCDP – Tam Ky, Ha Tinh and Buon ma Thuot Optimizing Development Impact









Themes

Climate resilience

Disaster-Risk Reduction

Land Management Urban Renewal

Ha Tinh ,Tam Ky

Climate adaptation

Enhanced resilience standards

Increased protection of people, land and assets

Ha Tinh

Urban watershed based drainage Improved

storm water management

Area regeneration

Buon Ma Thuot

Community based 3 R SWM Complimenting 'green city' vision

Hue: Possible elements of GCAP

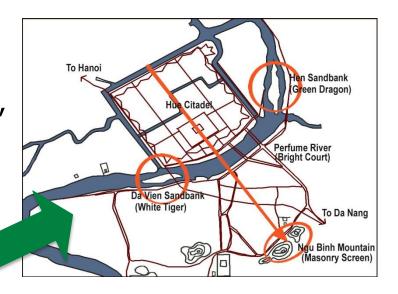
Tourism and Industry (SME)

- 0
- UNESCO Heritage City +
- Potential Regional Educational Hub,
- Vulnerability to floods (east) end.

GREATER MEKONG SUBREGION EAST-WEST ECONOMIC CORRIDOR



Source: www.ewecbiz.com

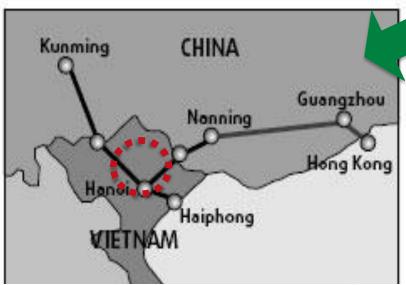


- Citadel area revitalization on green growth model, including mobility
- urban forestry; cluster based revitalization of small industry
- Improving decisions on river water releases hydro sector and the city government
- Flood and drainage improvements

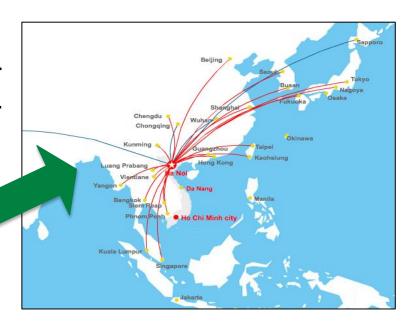
Vinh Yen: Possible elements of GCAP

Peri-Urban Change, Eco-industry

- Proximity and part of Hanoi cluster
- Excellent Rail, Road, Water and Air Connectivity

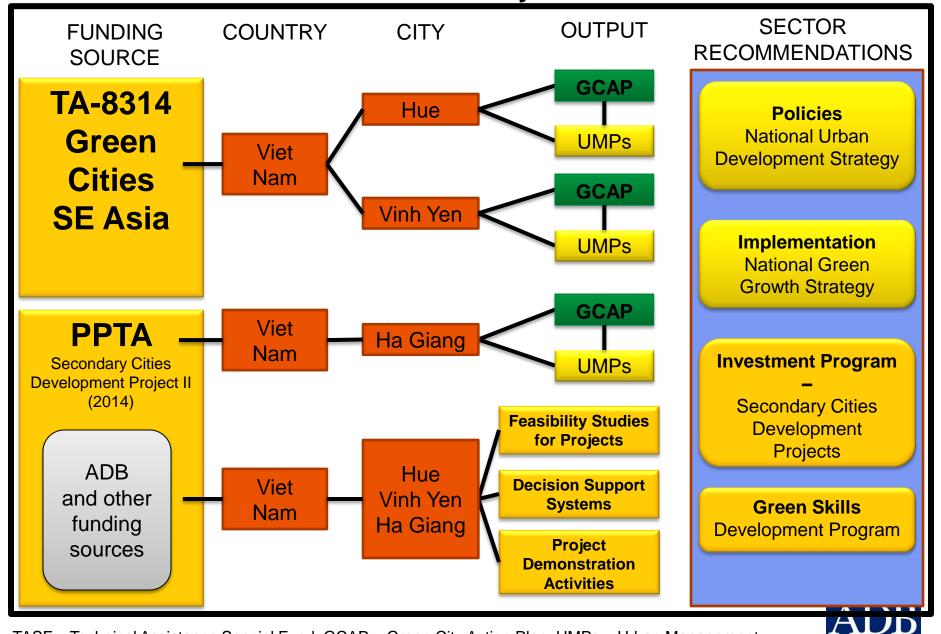






- Land use plan for improved flood and wetland management in the Dam Vac lake area
- Setting up induced clusters with PPP for shared infrastructure
- Improving connectivity to Hanoi for increased competitiveness
 - Green product development

Viet Nam Country Context



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

Implementation challenges will require

- Coordination between multiple government agencies, private sector, community organizations and citizens
- Adaptive management approach where the actions can be modified if needed (based on monitoring, evaluation of baseline data, and citizen feedback)
- Capacity building and project management efforts
- Knowledge of funding sources and facility to raise capital
- Tools and database to monitor plan implementation



Malaysia, Melaka - Green City — (in progress)

To become a green city, Melaka will:

Increase climate resilience*

Increase protection of communities from flood risks

Assess construction standards for storm events

Reduce heat island effect

Improve natural resource efficiency and management*

Reduce surface/groundwater pollution

Enhance ambient air quality

Minimize urban land pollution

Address degradation of ecosystems

Upgrade infrastructure for low carbon growth*

Promote energy efficiency / renewables

Pursue zero waste targets

Promote alternative modes of transportation

Community consultations and stakeholder engagement

*Note: Increasing climate resilience, improving natural resource management, and upgrading infrastructure are not mutually exclusive directives. The actions proposed under one may also benefit concerns related to the other two.



Water Quality.... GCAP Malaysia (in progress)

Goal: Protect and enhance the quality of surface and groundwater bodies in Melaka

Key Challenges	fluctuation in water table levels, conjunctive uses of water (irrigation)
Baseline Data	 Measure of dissolved oxygen, water temperature, pH level, levels of E.coli, nitrates, and transparency / turbidity for each water body Area and condition of wetlands within the city boundary Location of water body within a watershed and condition of watershed Amount of surface run-off discharged into the surface body Percentage of population served by wastewater collection Percentage of wastewater receiving primary, secondary or tertiary treatment Percentage of wastewater that receives no treatment prior to discharge
Targets & Indicators	Achieve and maintain national and WHO standards for water quality
Actions: Policy Investments Capacity	 pursue demand management strategies to reduce amount of
	20

Way ForwardMalaka, Malaysia (in progress)

- A new Green City Action Plan Committee (or Council) is proposed to manage implementation
- The following is a suggested composition of the committee:
 - Chaired by the Chief Minister
 - Include representatives from the state departments responsible for environment, land and planning, transportation, energy and finance
 - One member from the Prime Minister's office
 - One member appointed from an academic institute in Melaka (Technology Expert); a local environmental NGO; tourism sector in Melaka; One at-large member appointed by the CM depending on the needs of the committee
- The committee would be housed within the CM's department (with dedicated staff)
- Potential for replication to other cities in Malaysia
- Development of Green City index at national level
- 11th Malaysia Plan under preparation
 - Considering the institutionalization of green growth / green cities





Look forward to a strong partnership for **Green Cities**

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