

GrEEEn, Livable Cities for People: *From Vision to Action*

Amy Leung

Disclaimer:

The views expressed in this document are those of the author, and do not necessarily reflect the views and policies of the Asian Development Bank (ADB), its Board of Directors, or the governments they represent. ADB does not guarantee the accuracy of the data included in this document, and accepts no responsibility for any consequence of their use. By making any designation or reference to a particular territory or geographical area, or by using the term "country" in this document, ADB does not intend to make any judgments as to the legal or other status of any territory or area.

Green ≠

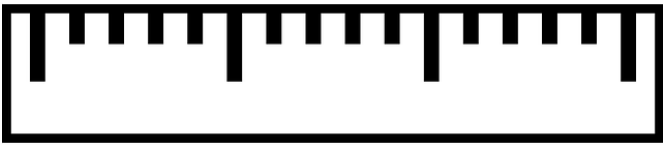


Green ≠



Green ≠



Green \neq 



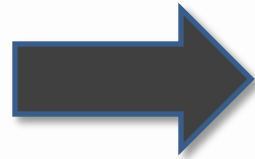


Livability Triangle

Enhancing resilience of infrastructure and communities through integrated planning and asset management is at the core of improving Livability



GrEEEn
Solutions
for Livable
Cities



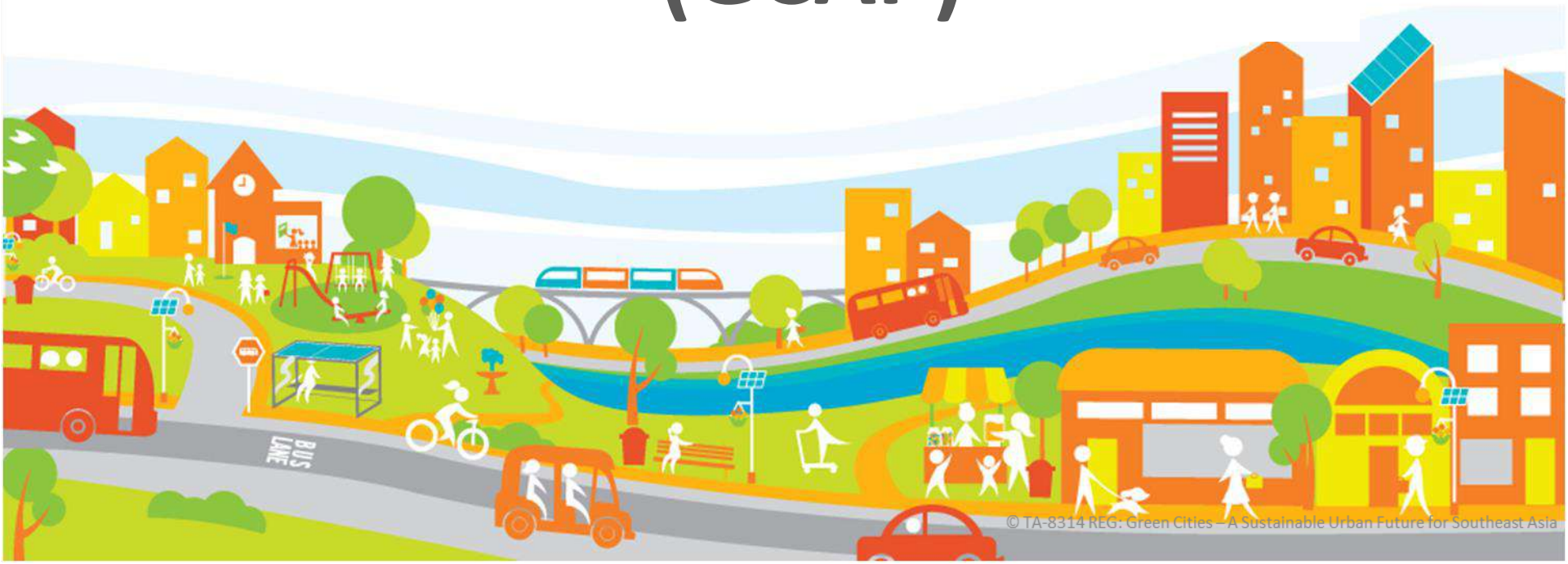
Economy
Environment
Equity



A livable city puts people first.



GrEEEn City Action Plan (GCAP)



GCAP Formulation Process

Visioning and SWOT Analysis

Urban Profiling

Action Planning

Endorsement of GrEEEn City Action Plan

GCAP Formulation Process

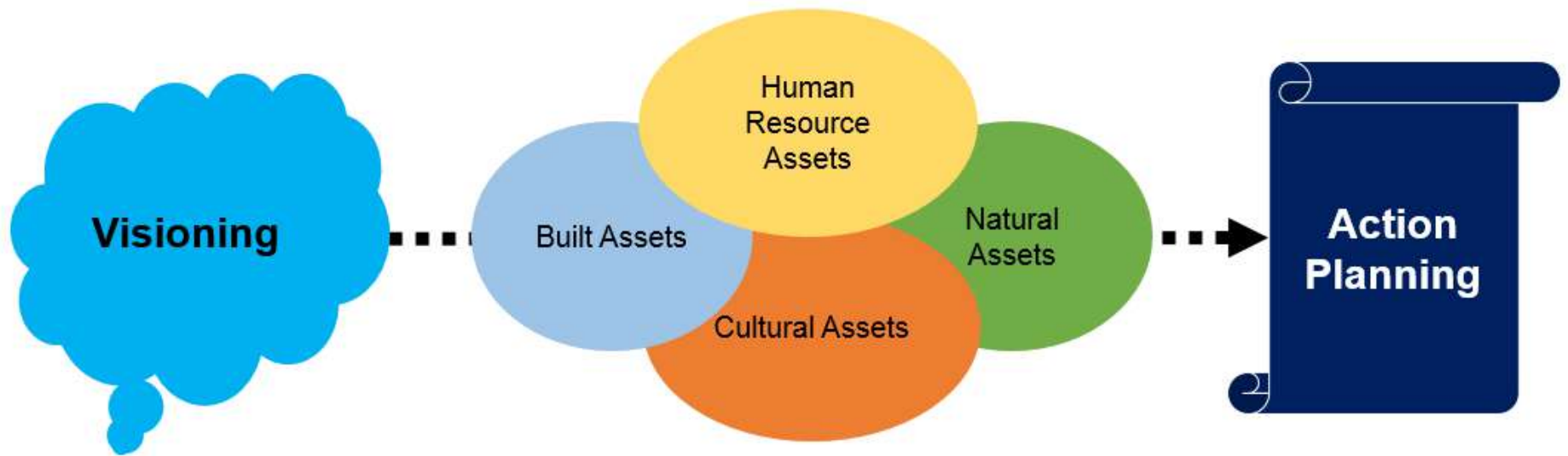
VISIONING AND SWOT ANALYSIS

Urban Profiling

Action Planning

Endorsement of GrEEEn City Action Plan

Visioning and SWOT Analysis



GCAP Formulation Process

Visioning and SWOT Analysis

URBAN PROFILING

Action Planning

Endorsement of GrEEEn City Action Plan

**Business-as-Usual
Analysis =**

**Current conditions
and trends of 3Es:**

- **Economy**
- **Environment**
- **Equity**



GCAP Formulation Process

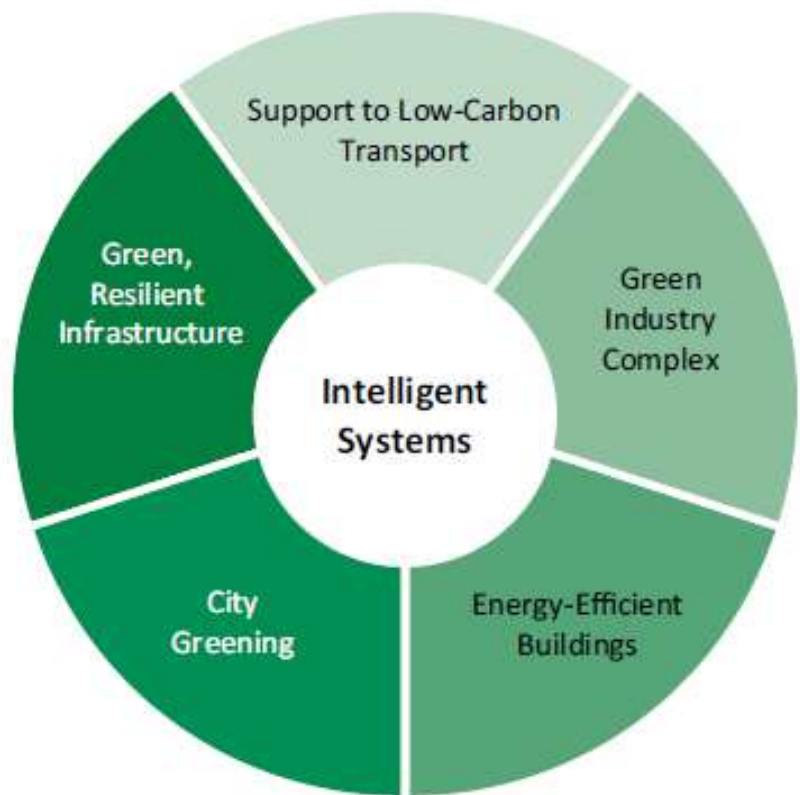
Visioning and SWOT Analysis

Urban Profiling

ACTION PLANNING

Endorsement of GrEEEn City Action Plan

Prioritizing Investments



Integrated Sustainable Urban Development



Sustainable Transport



Energy Efficiency



VIETNAM: Hue GrEEEn City Action Plan (GCAP)



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:

- *Intragovernmental*
- *Mentor–Mentee*



GCAP Formulation Process

Visioning and SWOT Analysis

Urban Profiling

Action Planning

Endorsement of GrEEEn City Action Plan

MYANMAR

Mandalay's Vision

A clean, beautiful city = Livable City

- **Equitable**
 - City for all
 - Public places, plazas, open parks and the street-side cafes
 - Safe, secure environment
- **Affordable**
 - Access to services
- **Efficient**
 - Reliable services & Public transport



Georgia

STRATEGIC NATIONAL URBAN VISION

- **Enabling Environment:** Improving Urban Governance and Management
- **Economy:** Building Regional Competitiveness
- **Environment:** Building Green Resilient Cities
- **Equity:** Enabling Inclusive Growth



THAILAND



Songkhla City, Songkhla Province

Vision exercise result:

We want to enhance our city's livability by promoting economic growth in cultural and natural tourism, particularly through a more integrated development in our Old Town.



Hat Yai City, Songkhla Province

Vision exercise result:

We need to increase resilience to urban flooding and continue our economic dominance in the region, if we want to remain both a commercial and educational hub, as well as a popular tourist destination for entertainment and shopping.

Green Finance



Green Finance: What can cities do?

CITY/STATE/
NATIONAL

- Establish enabling regulations
- Maximize conventional finance

CITY/STATE/
NATIONAL/
GLOBAL

- Tap multiple donor agencies
- Leverage private sector, debt & equity

GLOBAL

- Tap specialist green financing
- Attract new funding sources

Green Finance: What can ADB do?

Public Sector / Sovereign

National

- Sovereign Loans
- Specialist Green Finance funds
- Finance facility
- Infrastructure funds

City

- Sub-Sovereign Loans
- Specialist Green Finance funds
- Credit enhancement

Non-Sovereign Lending

National & Local Banks

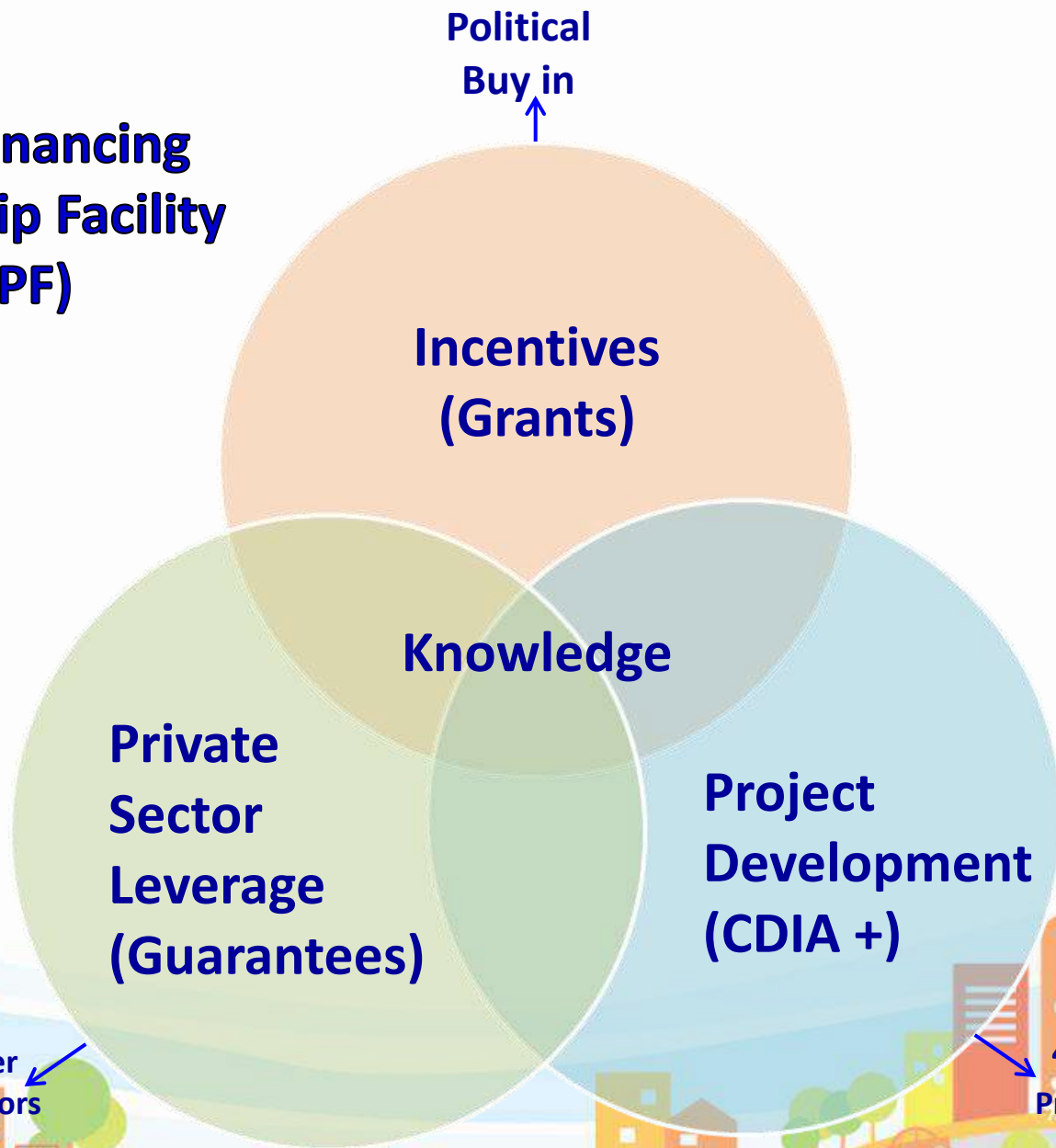
- Loans
- Partial Guarantees
- Equity investments

Private Sector

- Guarantees for green Architecture Programs
- Loans
- Guarantees
- Equity investments

- Accelerate project implementation
- Provide knowledge of sources and structure
- Link with global investors and grant-providers

Urban Financing Partnership Facility (UFPF)



Other Investors

'New' Projects

Green Financing for Cities

National Government

- Viability Gap for PPPs
- Tax Incentives
- Enabling Laws & Regulations
- FX Cover

ADB + Global Funds

- Debt / Equity
 - Longer Tenor Funding
 - Project Financing → Refinanced with Private Sector
- Credit enhancement
 - Partial Loss Guarantee
 - Political Risk Guarantee



Asian Green Infrastructure Fund

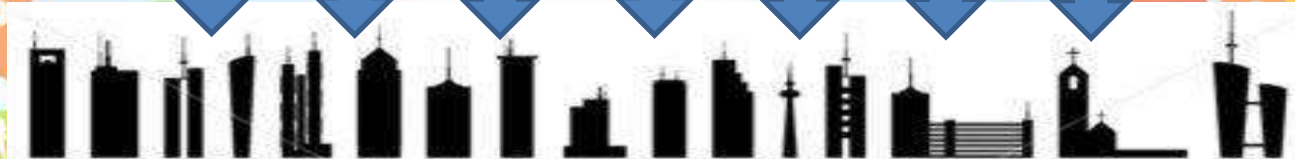
Co-Financing from Private Investors:

- Local private sector banks
- Pension funds
- Insurance funds
- Islamic investors

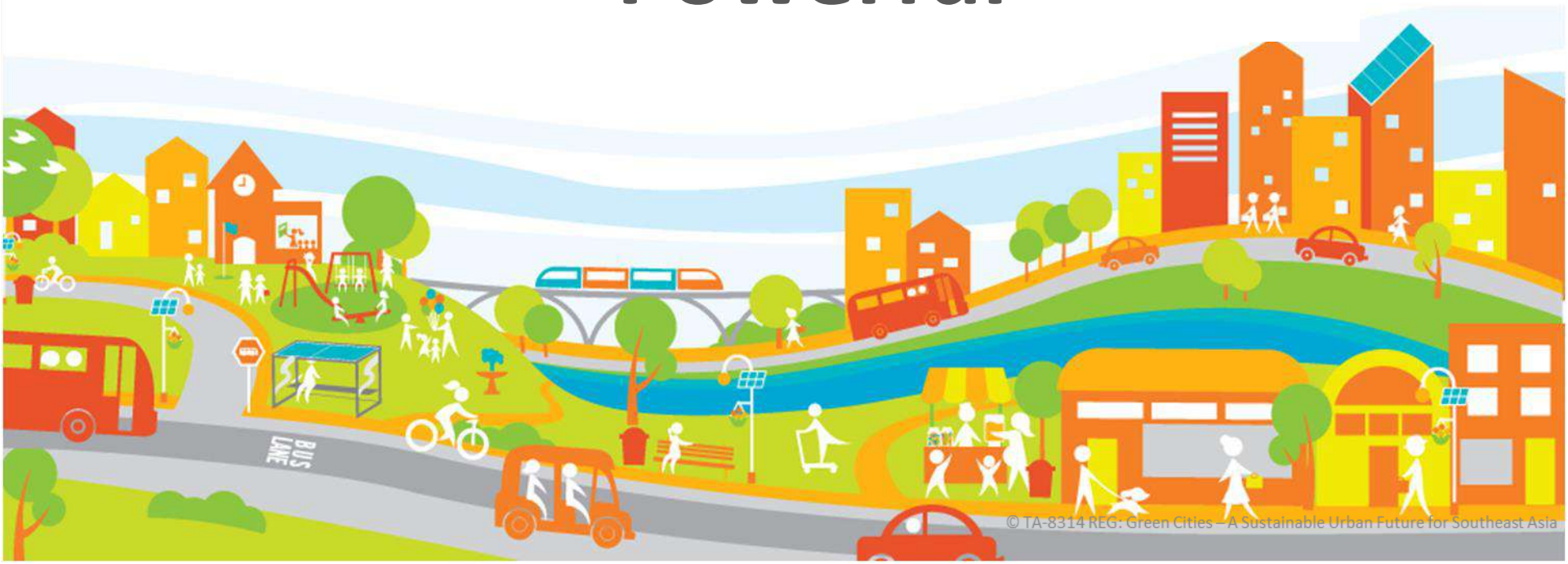
Specialist Green Investors / Donors

- Social impact investors
- NGOs
- Corporations (CSR)

Attractive Financing for Cities' Green Infrastructure Projects



Partnerships are Powerful



Regional Cooperation: IMT-GT

Indonesia-Malaysia- Thailand Growth Triangle (IMT-GT)

- **MALAYSIA:** Urban green growth model for the region piloted in Melaka
 - Endorsed and adopted by the Government of Melaka as the guiding roadmap
 - Integrated within the 11th Malaysia National Development Plan
- **THAILAND:** Replicated in Songkhla and Hat Yai
- **INDONESIA:** Four cities in Indonesia

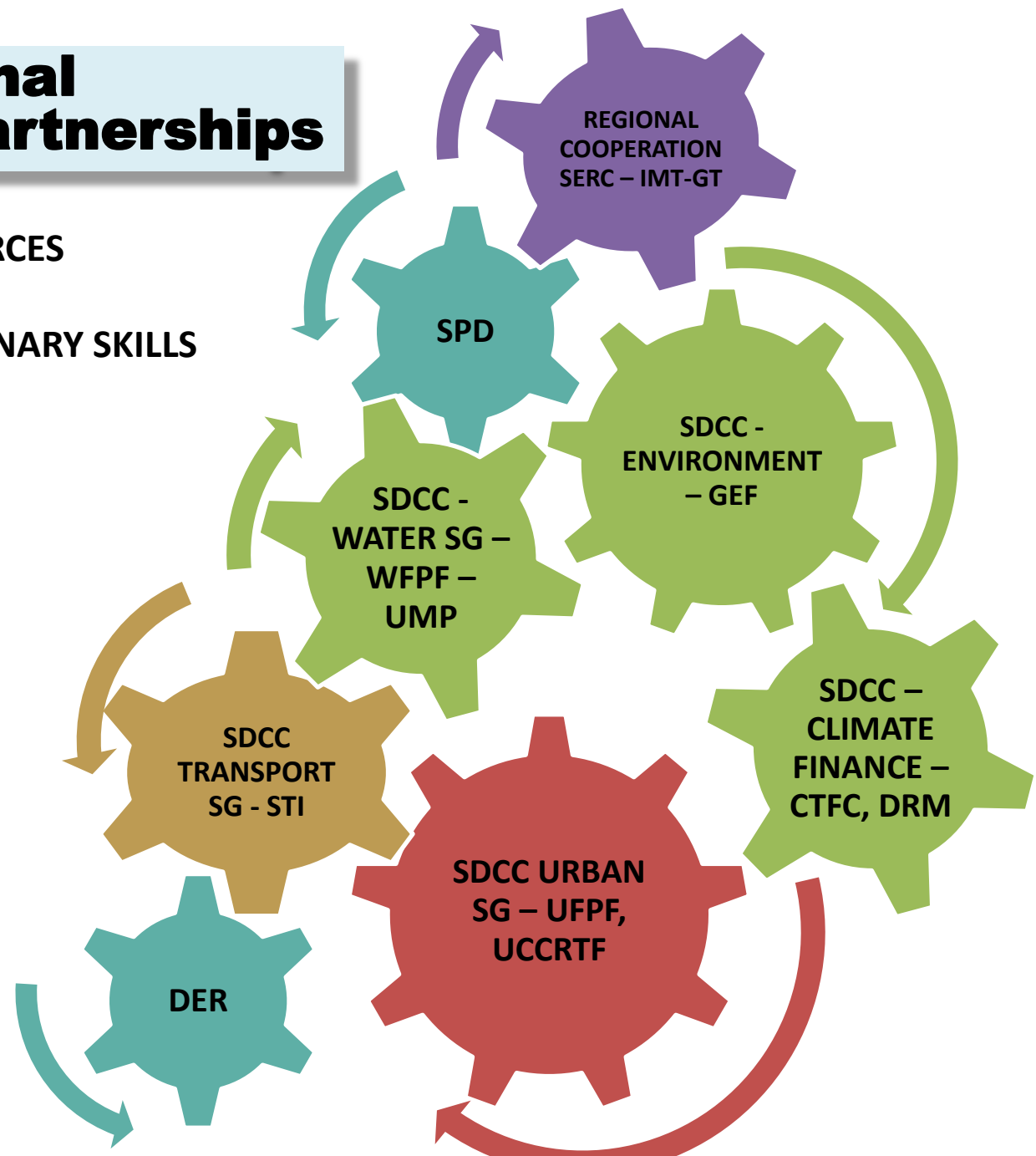


Institutional Coordination & Partnerships

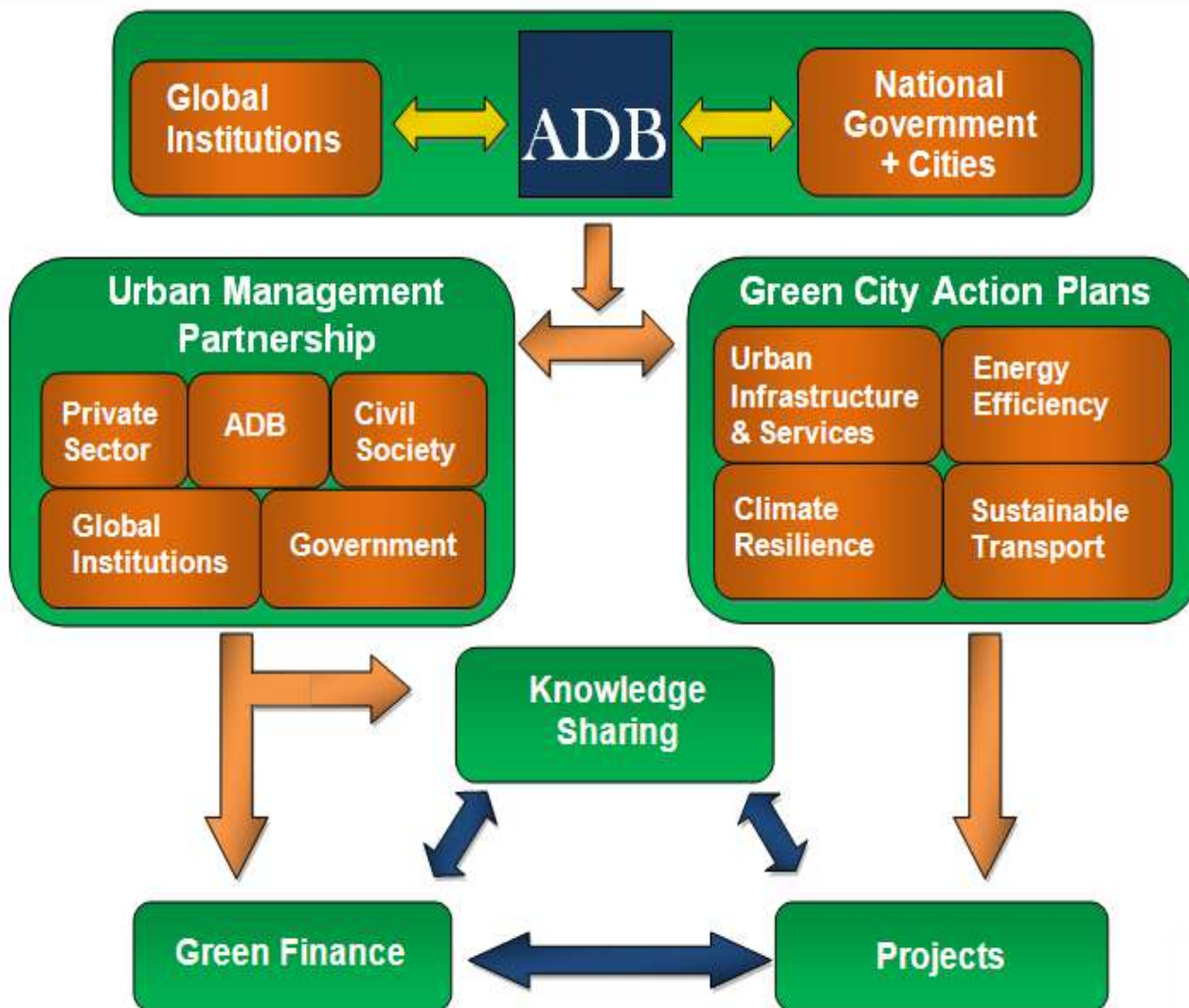
OPTIMIZING *INTERNAL* RESOURCES

INTEGRATION OF TRANSDICIPLINARY SKILLS

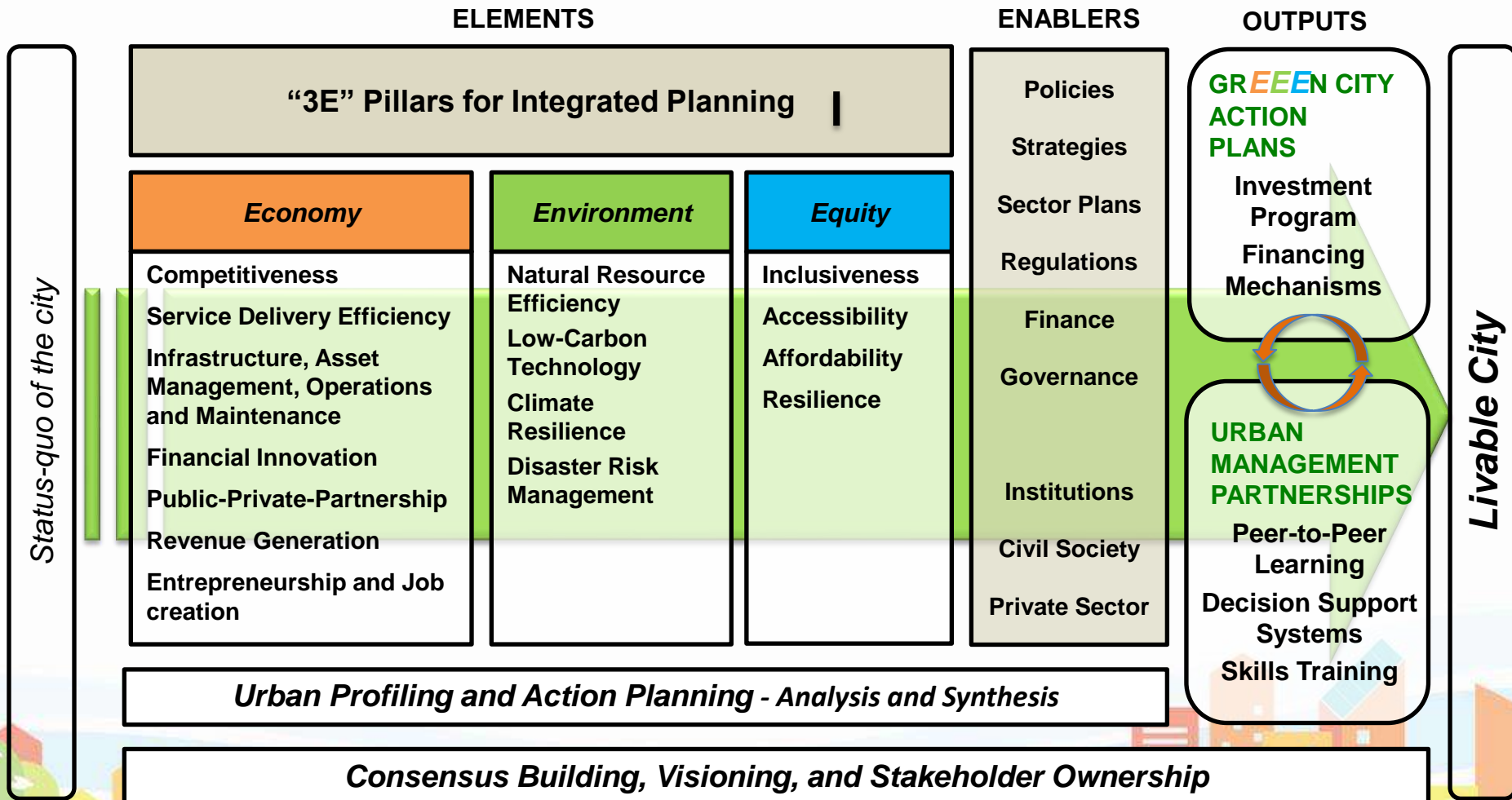
- INTEGRATED URBAN DEVELOPMENT
- ENVIRONMENT PLANNING AND MANAGEMENT
- TECHNOLOGY IMPROVEMENT
- INNOVATIVE FINANCING AND INSTITUTIONS
- POLICY AND GOVERNANCE



Green Cities Initiative



GrEEEn Cities Operational Framework



GrEEEn Cities: Knowledge

1 First Regional Conference on Enabling GrEEEn Cities

- 13-14 May 2014, ADB HQ
<http://www.adb.org/news/events/enabling-green-cities>
- VP Groff's TED style talk
<http://www.adb.org/news/videos/green-cities-are-imperative-asias-future>
- Views of 170 delegates
<http://www.adb.org/news/videos/diverse-views-green-cities-initiative>

GrEEEn Cities Initiative multimedia webpage

<http://www.adb.org/green-cities/index.html#intro>

GrEEEn Cities videos

<http://www.adb.org/news/videos/greening-asias-cities>

<http://www.adb.org/news/videos/making-cities-climate-change-resilient>

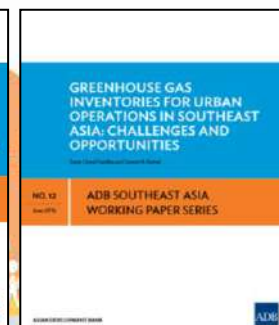
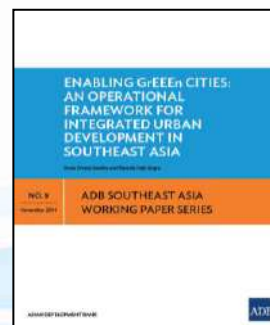
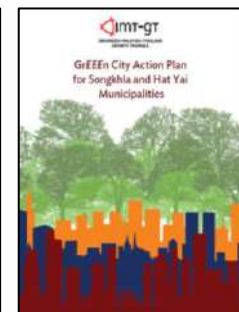
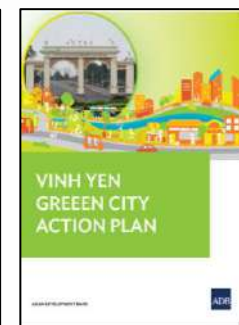
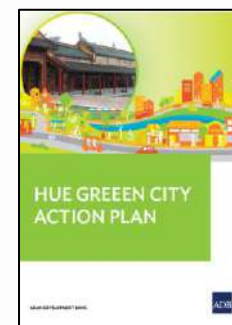
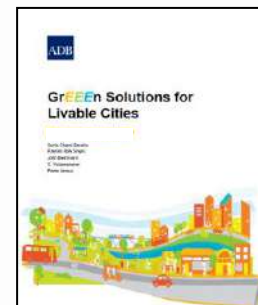
Live online chat with GrEEEn Cities experts

<http://www.adb.org/news/events/live-online-chat-making-green-cities-reality>

1 book: *GrEEEn Solutions for Livable Cities*

11 GrEEEn City Action Plans (GCAPs) in 5 countries

3 working papers



DISCUSSION:

What is your country/city's green agenda to achieve livability?

What might be missing from it? How do you think it may be improved?

