



**ASEAN COOPERATION ON  
ENVIRONMENTALLY SUSTAINABLE CITIES  
Regional Vision: the ASEAN Response beyond 2015**

**Natalia Derodofa**  
Senior Officer  
Environment Division  
ASEAN Secretariat

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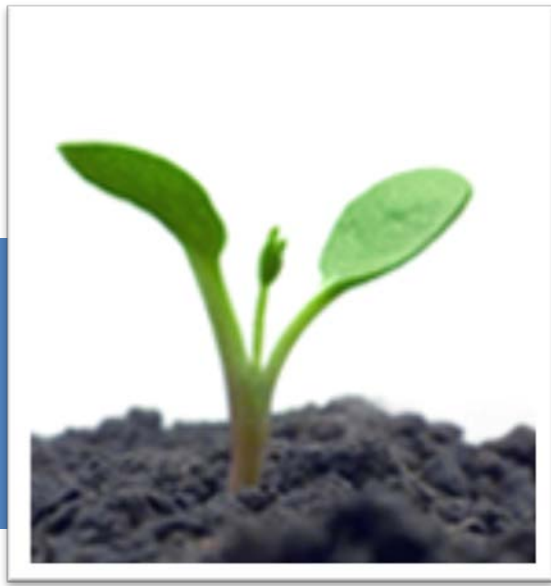




## Outline

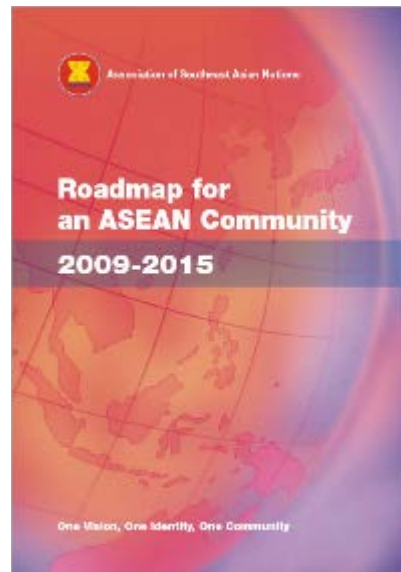
- ASEAN Cooperation on ESC
- Highlights of activities under AWGESC
- Post-2015 Vision for ASEAN Community





# ASEAN Cooperation on Environmentally Sustainable Cities







## ASEAN SOCIO-CULTURAL COMMUNITY BLUEPRINT

D1. Global Environmental Issues

D2. Transboundary Environmental Pollution

D3. Environmental Education

D4. Environmentally Sound Technology

D5. Environmentally Sustainable Cities

D6. Harmonisation of Environmental Policies & Databases

D7. Coastal & Marine Environment

D8. Natural Resources & Biodiversity

D9. Freshwater Resources

D10. Climate Change

D11. Forestry

## SECTION D5 OF THE BLUEPRINT FOR THE ASEAN SOCIO-CULTURAL COMMUNITY (2009-2015)

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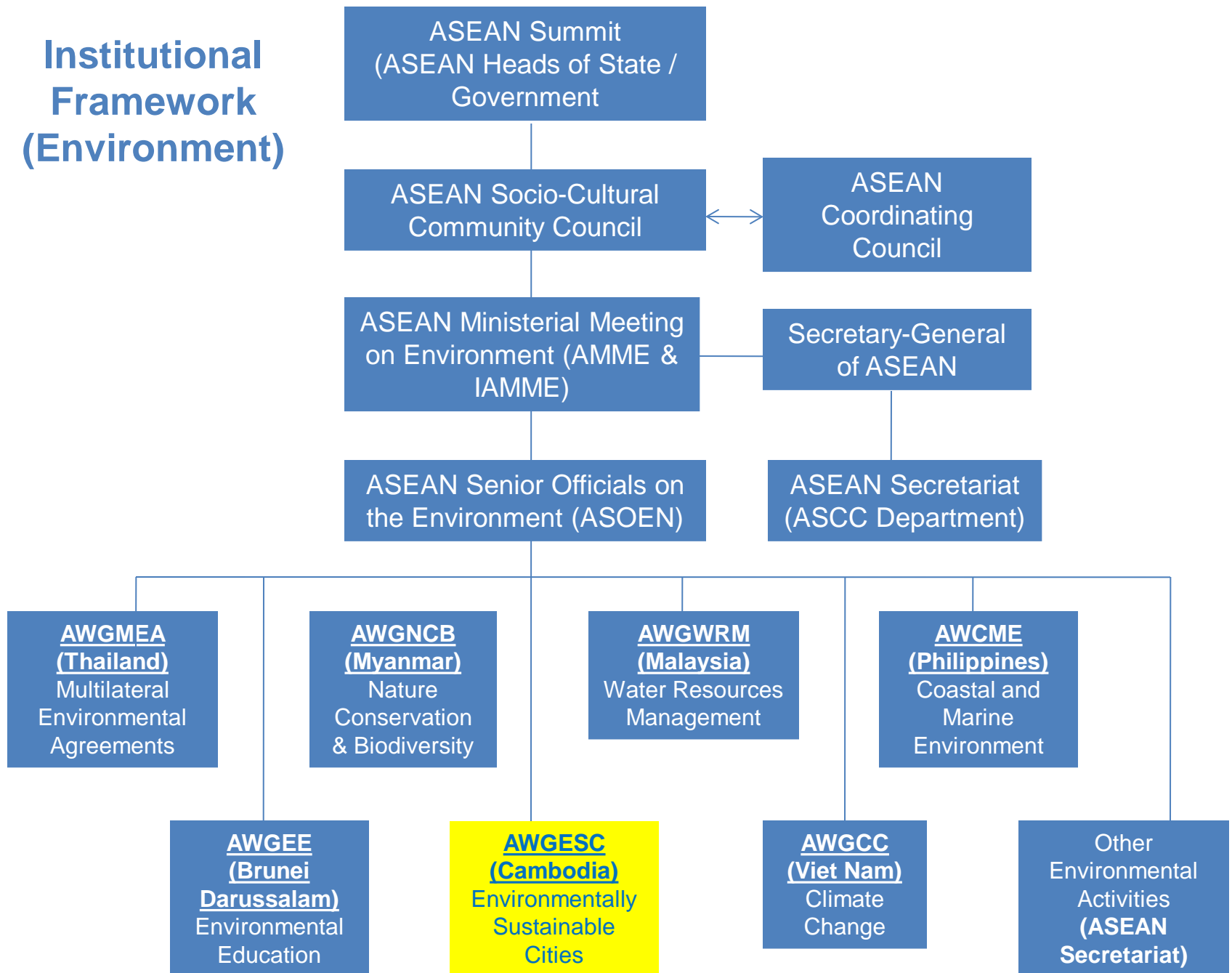
### D5. Promoting quality living standards in ASEAN cities/urban areas

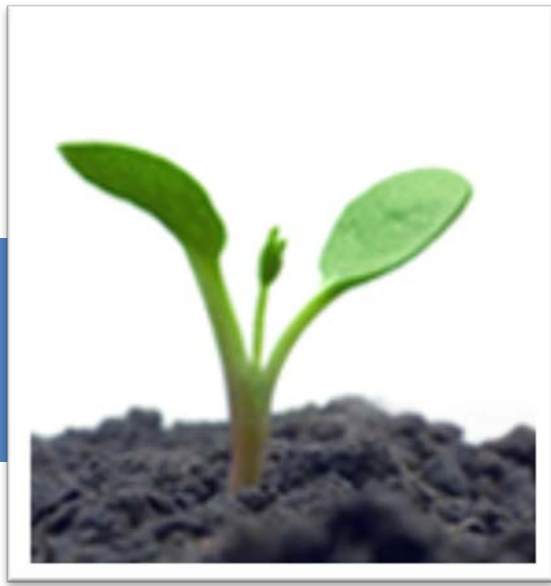
**Strategic Objective:** Ensure cities/urban areas in ASEAN are environmentally sustainable, while meeting the social and economic needs of the people.

#### Actions:

- (i) Expand on the existing work under the **ASEAN Initiative on Environmentally Sustainable Cities**;
- (ii) Intensify individual and collective efforts to improve the quality of air and water within ASEAN through **regional or national initiatives to reduce industrial and transportation pollutions**;
- (iii) **Share experiences, expertise and technology in areas such as urban planning** including transportation, green building, water management, urban greenery and urban biodiversity conservation, sanitation and waste management, 3Rs (Reduce, Reuse and Recycle) and air, noise, water, and land pollution control, through among others twinning cities programme;
- (iv) **Work towards initiatives** such as “Low Carbon Society”, “Compact Cities”, “Eco-Cities” and “Environmentally Sustainable Transport”;
- (v) **Develop internationally comparable measures for environmental sustainability for major cities** in ASEAN by 2015; and
- (vi) **Introduce and implement an ASEAN Environmentally Sustainable Cities (ESC) Award** by 2008 as an incentive to promote ESC practices.

# Institutional Framework (Environment)





## **AWGESC: Highlights of Activities**





# ASEAN Initiative on Environmentally Sustainable Cities

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## 25 ASEAN participating cities in ASEAN ESC Network

(as of 17 November 2008)

Country	City
Brunei Darussalam	Bandar Seri Begawan
Cambodia	Phnom Penh, Siem Reap
Indonesia	Padang, Palembang, Pekanbaru
Lao PDR	Luang Prabang, Vientiane, Xayabourie
Malaysia	Kuantan, Putrajaya, North Kuching City Hall
Myanmar	Mandalay, Yangon
Philippines	Cagayon de Oro, Iloilo, Quezon City
Singapore	Singapore
Thailand	Bangkok, Chiang Mai, Krabi, Phuket
Viet Nam	Da Nang, Ha Long, Ha Noi

# Development of Key Indicators for Clean Air, Clean Water, and Clean Land

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- **Workshop** to Develop Key Environmental Indicators & Awards to Promote Environmental Sustainability in ASEAN Cities (December 2005, Jakarta)
- The List of Indicators were **endorsed** by the 4<sup>th</sup> Meeting of the AWGESC in June 2006 in Brunei Darussalam
- **Workshop** to Improve the Key Indicators for Clean Air, Clean Land and Clean Water (April 2011, Jakarta)
- AMS is currently **pilot-testing** the proposed revised ESC Key Indicators for Clean Air, Clean Land and Clean Water on the Network of Participating Cities of ASEAN Initiatives on Environmentally Sustainable Cities (AIESC).
- AMS also agreed in principle to include the application of the **Singapore Index on Cities' Biodiversity (SI)** as part of ESC Clean Land indicators to raise awareness on biodiversity in urban areas



# ASEAN ESC Key Indicators for Clean Air, Clean Water, and Clean Land

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## A. Clean Air

No.	Indicators
1.	<b>Number of days in a year that Pollutant Standards Index (PSI) exceeded 100 ('unhealthy') using USEPA standard</b>
2.	<b>Number of days in a year ambient 4 key parameters (CO, SO<sub>2</sub>, NO<sub>2</sub>, PM<sub>10</sub>) levels exceeded the USEPA air quality standards</b>
	Number of days in a year for CO levels
	Number of days in a year for SO <sub>2</sub> levels
	Number of days in a year for NO <sub>2</sub> levels
	Number of days in a year for PM <sub>10</sub> levels
3.	<b>% Gasoline and Diesel fueled-vehicles that meet city/national standards during roadside inspection</b>
	% gasoline fueled-vehicles that meet city/national standards
	% diesel fueled-vehicles that meet city/national standards
4.	<b>% industries that fulfill the requirement of national standards</b>
5.	<b>% of alternative fuels used</b>



# ASEAN ESC Key Indicators for Clean Air, Clean Water, and Clean Land

## B. Clean Water

No.	Indicators
1.	% households with access to potable water infrastructure
2.	% households with tap water that meets WHO drinking water standard
3.	% households and industries linked to sewerage system or equivalent where discharge meets national standards
4.	% capacity of city in supplying water to meet average consumption
5.	% of available freshwater from ground and surface water extracted for use
6.	% school at all levels with water conservation education programs

## C. Clean Land

No.	Indicators
1.	% waste at source that is stored in dedicated holding areas/receptacles before being disposed promptly
2.	% waste collected from door to door/collection point
3.	% waste transported in covered vehicles on a daily basis
4.	overall recycling rate (% recycled waste from the whole ones)
5.	% reduction in total waste generated a year
6.	% green area from total area of the city
7.	% area that comply the stipulated spatial plan of the city



# ASEAN Environmentally Sustainable Cities (ESC) Award

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- Initiated in 2008 and held every 3 years.
- Nominated by AMS based on respective national ESC indicators / criteria (non-competitive basis)
- Aims not only to recognise their exemplary efforts, the richness of their experience in varied circumstances, and different models and paths to urbanisation and environmental stewardship, but more importantly, to confirm that indigenous solutions and the attendant peoples' participation are the best in dealing with the unique local issues and settings.
- Certificates of Recognition were first introduced in 2011 to be given to cities on a competitive basis, using ASEAN Key Indicators for Clean Air, Clean Land, and Clean Water for assessment.



# ASEAN Environmentally Sustainable Cities (ESC) Award





# **ASEAN – German Technical Cooperation**

## **Clean Air for Smaller Cities in the ASEAN Region**



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## **Clean Air for Smaller Cities**

### **Countries**

Cambodia, Indonesia, Lao PDR, Malaysia, Myanmar, Philippines, Thailand and Vietnam;  
12 cities

### **Overall Project Objective**

To develop clean air plans for smaller cities and support implementation

### **Achievements**

10 emission inventories implemented  
6 clean air plans developed  
5 training courses rolled out through 35 trainings delivered.

### **Project Sustainability**

To institutionalize “Train for Clean Air” or T4CA beyond the project duration and establish regional and national training hubs.

- Provides seed funding, technical assistance and other forms of support to raise local capacity for implementing innovative and voluntary bottom-up initiatives, as well as to strengthen national ESC frameworks and actions that facilitate the replication and scaling up of good practices and policies within and across countries.
- Promotes city-to-city collaboration and provides a broad and inclusive platform matching ASEAN cities with interested resource partners.

<http://modelcities.hls-esc.org/>



Participants receiving instruction in EM Bokashi



Puerto Princesa residents undergo composting training





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FROM THE AMERICAN PEOPLE

**ICMA**

*Leaders at the Core of Better Communities*

# CITYLINKS PILOT PARTNERSHIP BETWEEN THE U.S. AND ASEAN MEMBER STATES



<http://environment.asean.org/citylinks/>

## 5<sup>th</sup> HLS ESC (28 February – 1 March 2014, Surabaya, Indonesia)



**Organisers:** Governments of Indonesia, Japan, Cambodia, United States, ASEAN Secretariat and AWGESC

**180** participants from:  
**15** national governments  
**36** Local governments  
**27** NGOs, Development Agencies, Academia and Private Sector

**2 Side Events:**  
Air Quality Workshop – *GIZ, Clean Air Asia, IGES*  
Green Growth in Cities – *OECD*

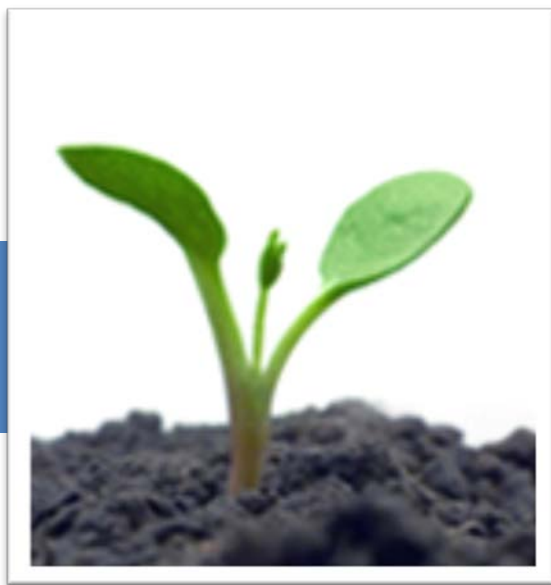


**6<sup>th</sup> HIGH LEVEL SEMINAR**  
on  
**ENVIRONMENTALLY  
SUSTAINABLE CITIES**

February 9-10, 2015  
Johor Bahru, Malaysia

**Outcomes of the 6<sup>th</sup> HLS-ESC**

- 14<sup>th</sup> Meeting of ASEAN Working Group on Environmentally Sustainable Cities (AWGESC)
- 26<sup>th</sup> Meeting of ASEAN Senior Officials on Environment (ASOEN)
- 13<sup>th</sup> ASEAN Ministerial Meeting on Environment
- 13<sup>th</sup> ASEAN Plus Three Environment Ministers Meeting (EMM)
- 5<sup>th</sup> EAS Environment Ministers Meeting



# Post-2015 Vision for ASEAN Community



# ASEAN Vision 2020

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- *We envision a clean and green ASEAN with fully established mechanisms for sustainable development to ensure the protection of the region's environment, the sustainability of its natural resources, and the high quality of life of its peoples.*

*(ASEAN Vision 2020; 15 December 1997)*



# Bandar Seri Begawan Declaration: Central and Community Elements

Politically  
Cohesive

Economically  
Integrated

Socially  
Responsible

People-  
oriented

People-  
centred

Rules-based  
ASEAN

Elements for Political  
and Security  
Community

Elements for Economic  
Community

Elements for Socio-  
cultural Community

Elements for Outward-  
looking Community

Elements for Physically,  
Institutionally, and  
Socially Well-connected  
Community

Elements for ASEAN  
Community with less  
Development Gap

# 25<sup>th</sup> ASEAN Summit: Nay Pyi Taw Declaration on the ASEAN Community's Post 2015 Vision

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- ENDORSE the central elements as the basis to develop the Post-2015 Vision of the ASEAN Community;
- NOTE that the work on the ASEAN Community's Post-2015 Vision is an ongoing process

# Central Elements

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## **ASEAN Socio-Cultural Community**

*An ASEAN Socio-Cultural Community that is inclusive, sustainable, resilient, dynamic and engages and benefits the people.*

- Enhance commitment, participation and social responsibility of ASEAN peoples through an accountable and inclusive mechanism for the benefit of all;
- Promote equal access and opportunity for all, as well as promote and protect human rights;
- **Promote balanced social development and sustainable environment that meet the current and future needs of the people;**
- Enhance capacity and capability to collectively respond and adapt to emerging trends and challenges; and
- Strengthen ability to continuously innovate and be a proactive member of the global community.



# 25<sup>th</sup> ASEAN Summit: Nay Pyi Taw Declaration on the ASEAN Community's Post 2015 Vision

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- TASK the ASEAN Coordinating Council to oversee the overall process of developing the Post-2015 Vision and the attendant documents of the three community pillars for the period of 2016-2025 to be submitted together to the **27<sup>th</sup> ASEAN Summit**; and
- DECIDE that the ASEAN Coordinating Council establish a **High Level Task Force** to assist the ASEAN Coordinating Council Working Group.

# Thank you



<http://environment.asean.org/>