Thailand Experience

towards

ASEAN Environmentally Sustainable City

Department of Environmental Quality Promotion
Ministry of Natural Resources and Environment
Bangkok, Thailand

Outline

➢ **Overview and Background**

   ➢ Thai's ESC Model Cities Programme

      ➢ Ground Concepts

➢ **Linkage to the ASEAN ESC Model Cities Programme**

   ➢ Thailand's Foresight ESC Model

   ➢ Country's Future   ESC Model Cities

   ➢Thailand sustainable city strategies

   ➢Thailand Sustainable City

   ➢Implementation Procedure towards ASEAN ESC Model Cities

   ➢Success Stories and Pathways Ahead

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Overview and Background

Ground of the concepts of Agenda 21: Program of Action for Sustainable Development or "Our Common Future".

Since 2004; The Department of Environmental Quality Promotion; DEQP; has put into practice and adopted in collaboration with the Local Organization Administration under the Thailand Sustainable City Project

The Project has been initiative with a strong local organization administration as:

Thailand sustainable city model cities

upgrade

The ASEAN ESC Model Cities Programme

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Thailand's Foresight ESC Model

Best Practice Framework
An Integration of Vertical and Horizontal Sustainable Contexts

The Future Success Stories
Best Practice for Local Government Sustainable Cities Development and as a Role Model of Municipality Sustainable Cities

Stakeholders integration:

- Networking for independent encouragement

- Relevance sector / Government Services, NGOs, Educational Institution, Community

Global Contexts

One Planet Communities

SD: Messages to the World

Country Sustainable Contexts

ASEAN ESC Model Cities

| *Self-Sufficiency* | *COP 18 Article 6* | Green Growth |

Local Organization Administration Feedbacks

Outputs
- Promote the concept of ASEAN ESC Model Cities
- *Implementing concretely the ASEAN ESC model cities*
- *Sustainable good practices*

Outcomes:
- *Local ecosystems / Individual-being*
- *Community well-being*

Country's Future   ESC Model Cities

ASEAN ESC City Model: The Country's Re-conceptualizing

- Enable Thai's Model Cities to meet ASEAN ESC standards/indicators

⬇

- Supports city-to-city cooperation with other ASEAN cities,

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- *Initiating a best practice guidelines on ESC at ASEAN level,*

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- *Extend and convey the success stories*

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- *Up-scaling management capability towards environmental sustainability at ASEAN level*

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Urban-Rural Linkages for Sustainable Development

Encourage municipalities to share best practices

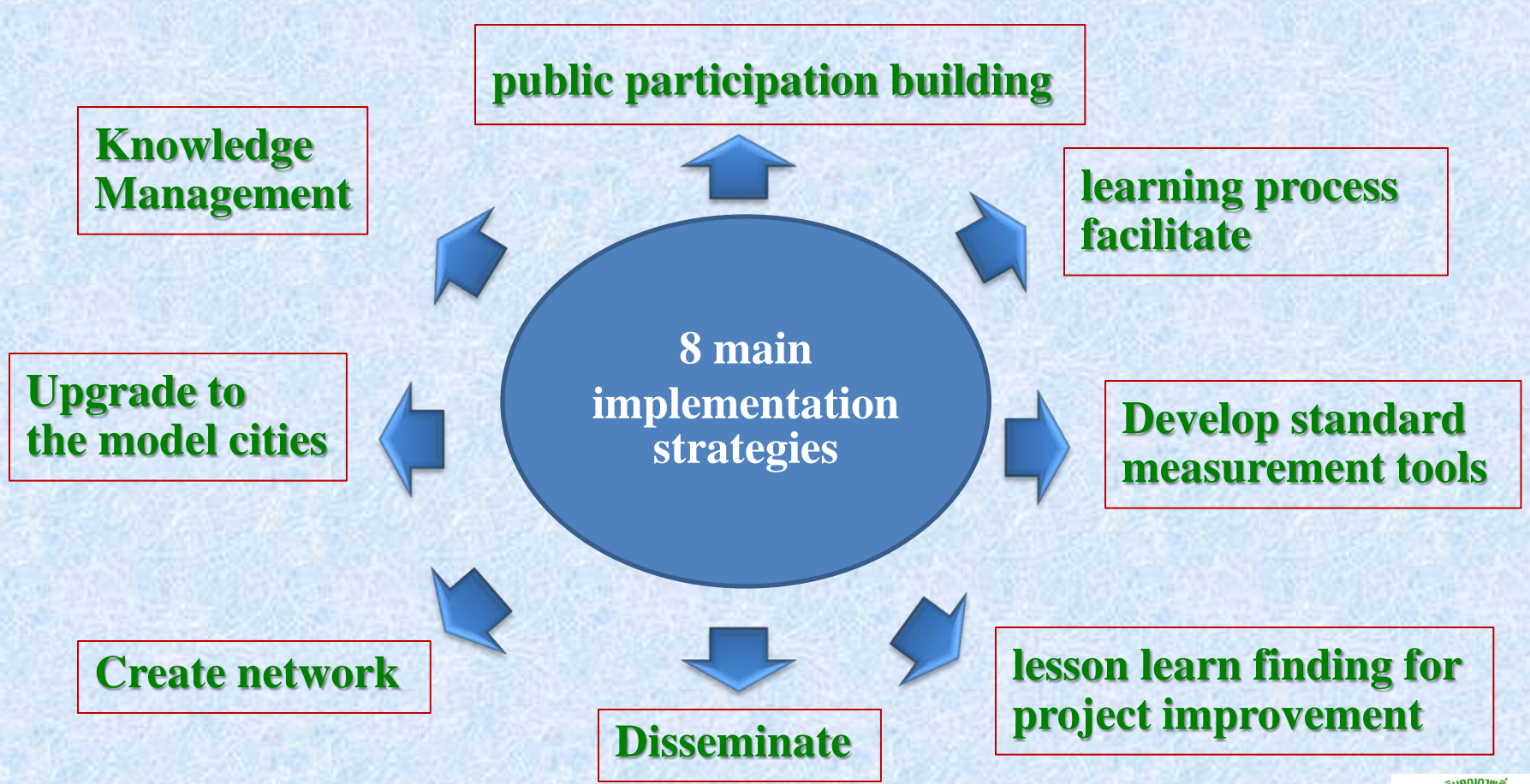Efforts to achieve high standards of environmental sustainability

Offer a more sustainability criteria across Municipalities

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Thailand towards ASEAN ESC Model city strategies;

public participation building

Knowledge Management

learning process facilitate

8 main implementation strategies

Upgrade to the model cities

Develop standard measurement tools

Create network

lesson learn finding for project improvement

Disseminate

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Thailand Sustainable City Model Cities
Networking Procedure

Vertical Network (Central agencies)

- **Domestic related agencies**; NGOs, education institution, government services, private sector
- **Policy maker**

- **Develop Monitoring & Evaluation Tools**
- **Upgrading Model Cities**

Horizontal Network (Area based)

Creating public participation

- **Political Commitment**
- **Community**; Senior Population, Working age & Youth,
- **Related agencies;** NGOs, education institution, government services, private sector

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Upgrade to ASEAN ESC Model Cities Networking Procedure

Vertical Network
(Central agencies & international agencies)

- **International cooperation agencies;** IGES
- **Domestic related agencies;** NGOs, education institution, government services, private sector
- **Policy makers**

- **Upgrading to ASEAN ESC Model Cities**
- **Monitoring & Evaluation**
- **Disseminate & Knowledge sharing**

Horizontal Network
(Area based)

Creating public participation

- **Political Commitment**
- **Community**; Senior Population, Working age & Youth,
- **Related agencies;** NGOs, education institution, government services, private sector

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I: Creating Public Participation

Step 1

Set up the sustainable city development plan through the public participation

Step 2

Implementing communities environmental management activities

Step 3

Lesson learn finding

Step 4

Knowledge Transferring & networking

- Human Resources Development
- Networking/ Partner Collaboration & Knowledge Transfer

II: Develop Monitoring & Evaluation Tools

- City Sustainable Indicators:
  - *City well-being; Human well-being; Learning Org; Good government*
- Environmentally Criteria:
  Natural Resources & biodiversity; Pollution control: Environmentally Lifestyle; Man-made Environment
- Certificate & Awarding Schemes
- Disseminate Key Lessons Learned

III: Upgrading Model Cities

- Set-up ASEAN ESC Roadmap action plan
- Coaching and training
- Upgrading Local Learning-centre
- Develop Country's ESC indicators
  Natural Resources & biodiversity; Pollution control: Environmentally Lifestyle; Man-made Environment as well as Learning and Good Governance
- Networking management & Knowledge disseminate

IV: ASEAN ESC Model City

- Support city-to-city Cooperation within Country and ASEAN Cities
- Networking
- Upgrade to regional and sub-regional ESC learning center
- Extend and promote Thailand ESC Indicators at ASEAN level

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Thailand Sustainable City Awards

Awards

The trophy from Her Royal Highness Maha Chakri Sirindhorn for the winner of Thailand Sustainable City.

Success Stories

Pathways Ahead

More than 400 Municipalities have join the Thailand Sustainable City Programme

Strong Collaboration & Network
for future multi-party Sustainable City Development

Initiating & supporting
4 regional Thailand sustainable city & nation network

6 Municipalities have been nominated as Thailand Sustainable Cities Award

165 Municipalities candidates

Endeavor for other Municipalities moving towards ASEAN ESC Awards

5 Municipalities have been nominated as ASEAN ESC Model Cities Programme

1 ASEAN ESC Model Cities Network

Leadership & Skills

- Sustainable city's indicators identification & Self-assessment Process

- Natural Resources and Environmental Management

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Creating Public Participation activities

Set up the SD city action plan

Implementing activities

Lesson learn finding

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Networking, Sharing & knowledge transfer

Site visit

Sharing experience

Thailand Sustainable cities regional network meeting

Site visit

Seminar & sharing experience

Group discussion

Show cases

Thailand Sustainable cities network annually conference

Exhibition

Seminar & sharing experience

Demonstration

Awarding of Certificate

Best Practices and Model Cities

of

Sustainable Environment Management

ASEAN ESC MODEL CITIES THAILAND

Chiangrai Municipality
- **Green city**

Pichit Municipality
- **Environmental Learning Center**
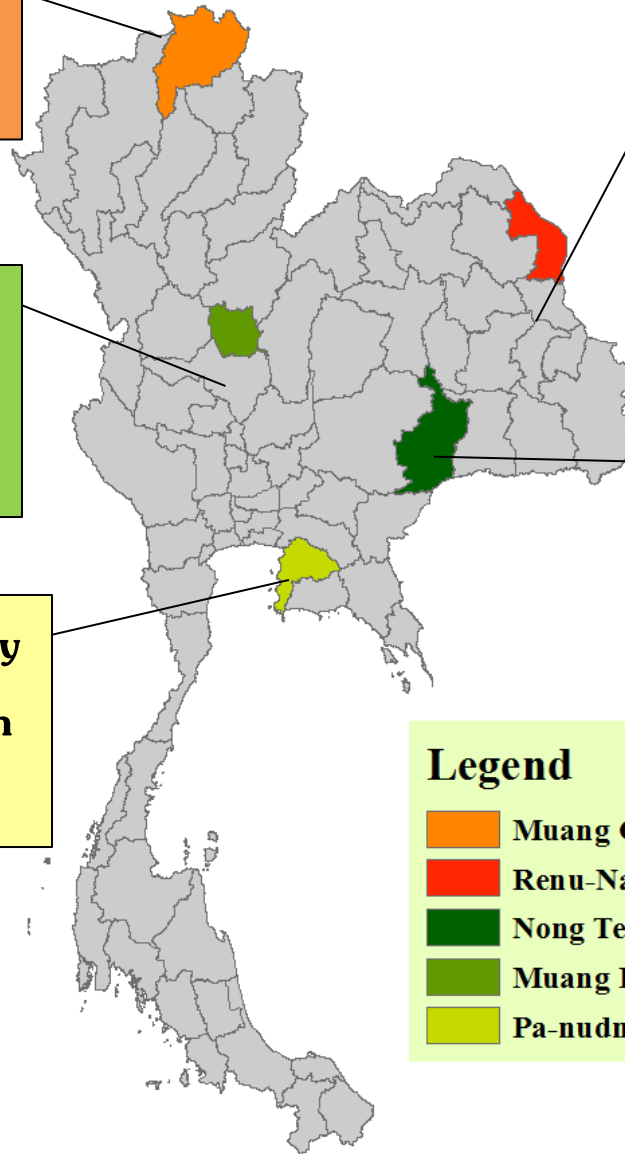
Phanat Nikhom Municipality
- **Sustainable Consumption and Production**

Renu Nakorn Municipality
- **Traditional Ecological Knowledge**

Nong teng Municipality
- **Alternative Energy**
- **Community Forest**

Legend
- Muang Chiengrai
- Renu-Nakorn
- Nong Teng
- Muang Phichit
- Pa-nudnikom

Sustainable Environment Management Learning Center

Chiangrai Municipality

Eco-Cultural Learning Center

Urban Eco-Agricultural learning center

Ramsar site ecology learning center

Food security for climate change & disaster adaptation learning center

Chaing rai Municipality : Green City

Sustainable Environment Management Learning Center

Pichit Municipality

- City of Trees

- Non-pollute City

- Energy Efficiency City

- Sustainable Consumption City

- Sustainable Environment Management in School

- Environmental Education

- Education Materials Creation from recyclable waste

Pichit Municipality: Participatory waste and Renewable Energy

Sustainable Environment Management Learning Center

Phanusnikhom Municipality

▶ **Tree registration and Conservation for Climate Change Mitigation**

•**Sustainable Environment Management in School**

▲ **Household Environmental Friendly Products**

Panat Nikhom Municipality:
Sustainable Consumption and Production

Renunakhorn Municipality

Local Wisdom & Cultural Learning Center

Sustainable Environment Management in Community

Sustainable Environment Management in School & Environmental Education

Renu Nakorn Municipality:
Traditional Ecological Knowledge

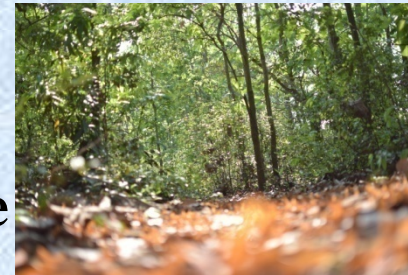# Sustainable Environment Management Learning Center

Nongteng Municipality

Sustainable Environment Management in Community

Energy Efficiency & Renewable Energy

Biodiversity Conservation & Community Forest

Local Wisdom & Sufficiency Economy Appliance

Nong teng Municipality

- Alternative Energy
- Community Forest

Thank you for your attention

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