



Aspects of Sustainable Urban Policy Management Using Spatial Technology.

**Workshop on Promoting Regional Green Growth: Best Practices of Eco-friendly
City Construction and Sustainable Management of Marine Ecosystem**

17 – 18 September 2019

Nanning, China



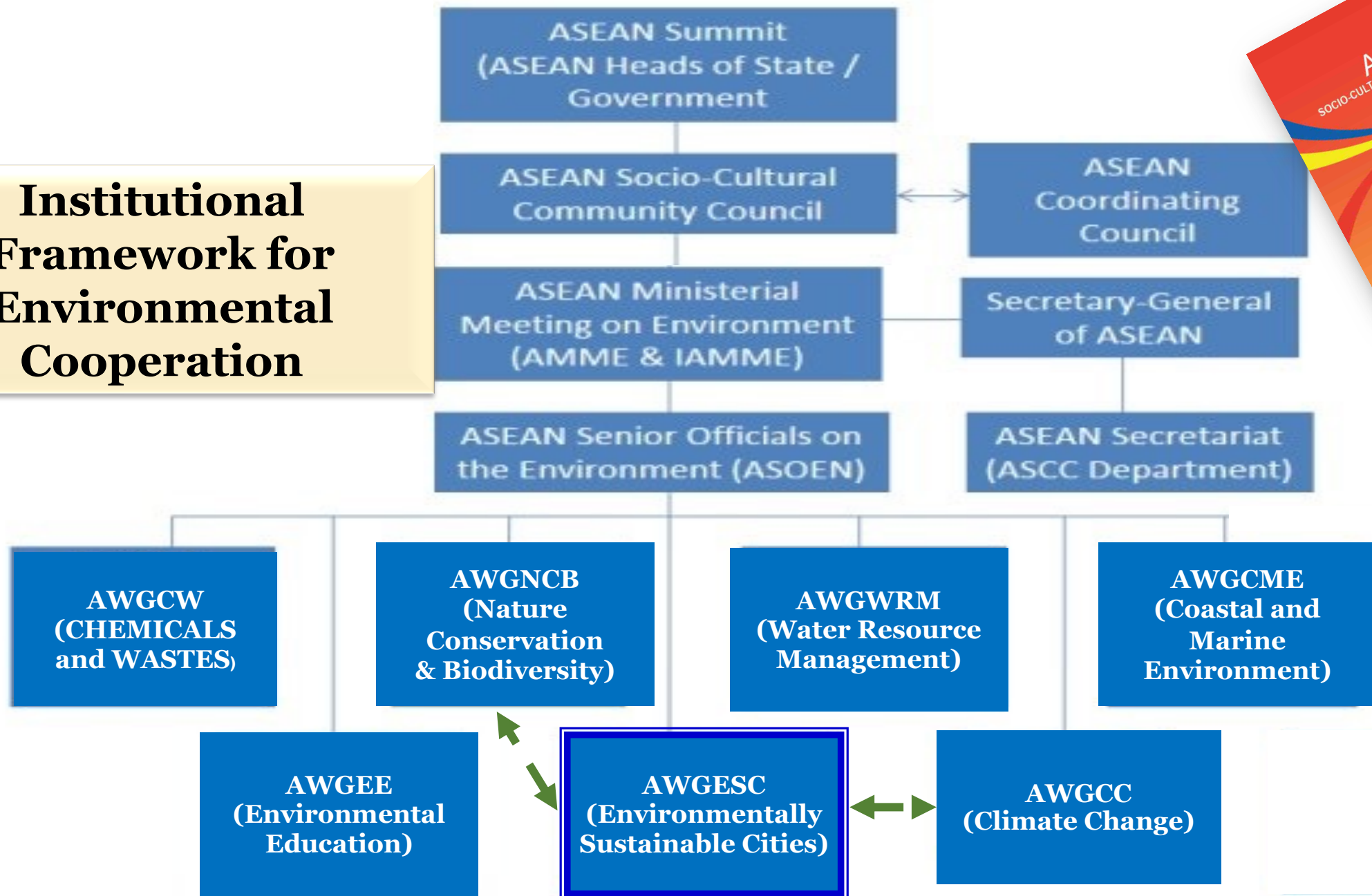
Thailand's Vision: Stability, Prosperity and Sustainability

Developed Country with the Philosophy of Sufficiency Economy

Thailand's 20-Years National Strategy



Institutional Framework for Environmental Cooperation



NATIONAL POLICIES RELATED TO GREEN AREA

National Policy and Country's Goals : Green Area

Thailand's 20-Years National Strategy

The 5th strategy : Green Growth

Master Plan under National Strategy (2018 – 2037)

- ❖ Topic 2 : Smart Areas and Cities
- ❖ Topic 17 : Sustainable growth

National reformation plan on natural resources and environment (2018 - 2022)

- ❖ Reformation Topic 1: Terrestrial resources
- ❖ Reformation Topic 4: City Plan Reformation
- ❖ Reformation Topic 6 :Organization, budget plan system and management tools reformation

The 12th National Economic and Social Development Plan (2017- 2021)

Part 4 National Development Strategy

The 4th strategy Green Growth for Sustainable Development

Important Plan and Projects : Green City Project

National Master Plan on Climate Change (2015 – 2050)

- ❖ Impact adaptation
- ❖ Greenhouse gas Reduction



APPROACH FOR MOVING TOWARDS SUSTAINABLE GREEN AREA DEVELOPMENT

Principles

- Adequacy
- Accessibility
- Network
- Quality
- Sustainability



20 Year Targets

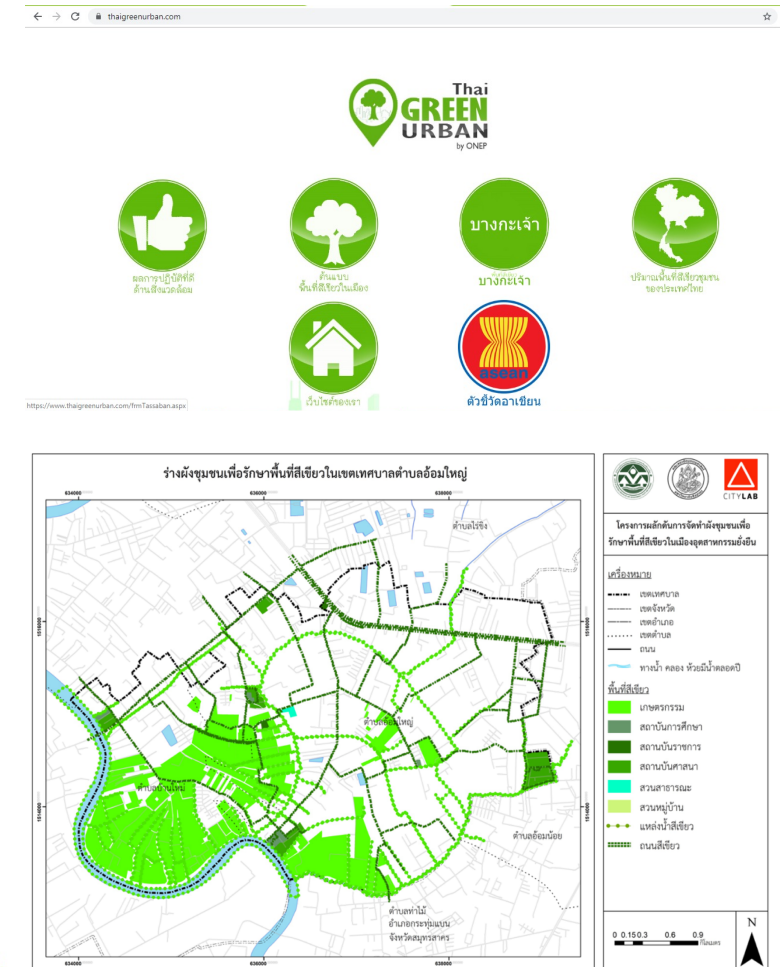
- Urban Green Area (Public Spaces) for country average of not less than 15 square meters per person
- At city levels;

City Municipality	15 square meters per total area
Municipality	20 square meters per total area
Municipal District	25 square meters per total area



Spatial Technology for Green Area Management

- **Thai Green Urban : TGU**
- **Geographic Information System for Community's Green Space Planning**



Thai Green Urban: TGU

← → ↻ thaigreenurban.com



ผลการปฏิบัติที่ดี
ด้านสิ่งแวดล้อม



ต้นแบบ
พื้นที่สีเขียวในเมือง



พื้นที่สีเขียว
บางกะเจ้า



ปริมาณพื้นที่สีเขียวชุมชน
ของประเทศไทย



เว็บไซต์ของเรา

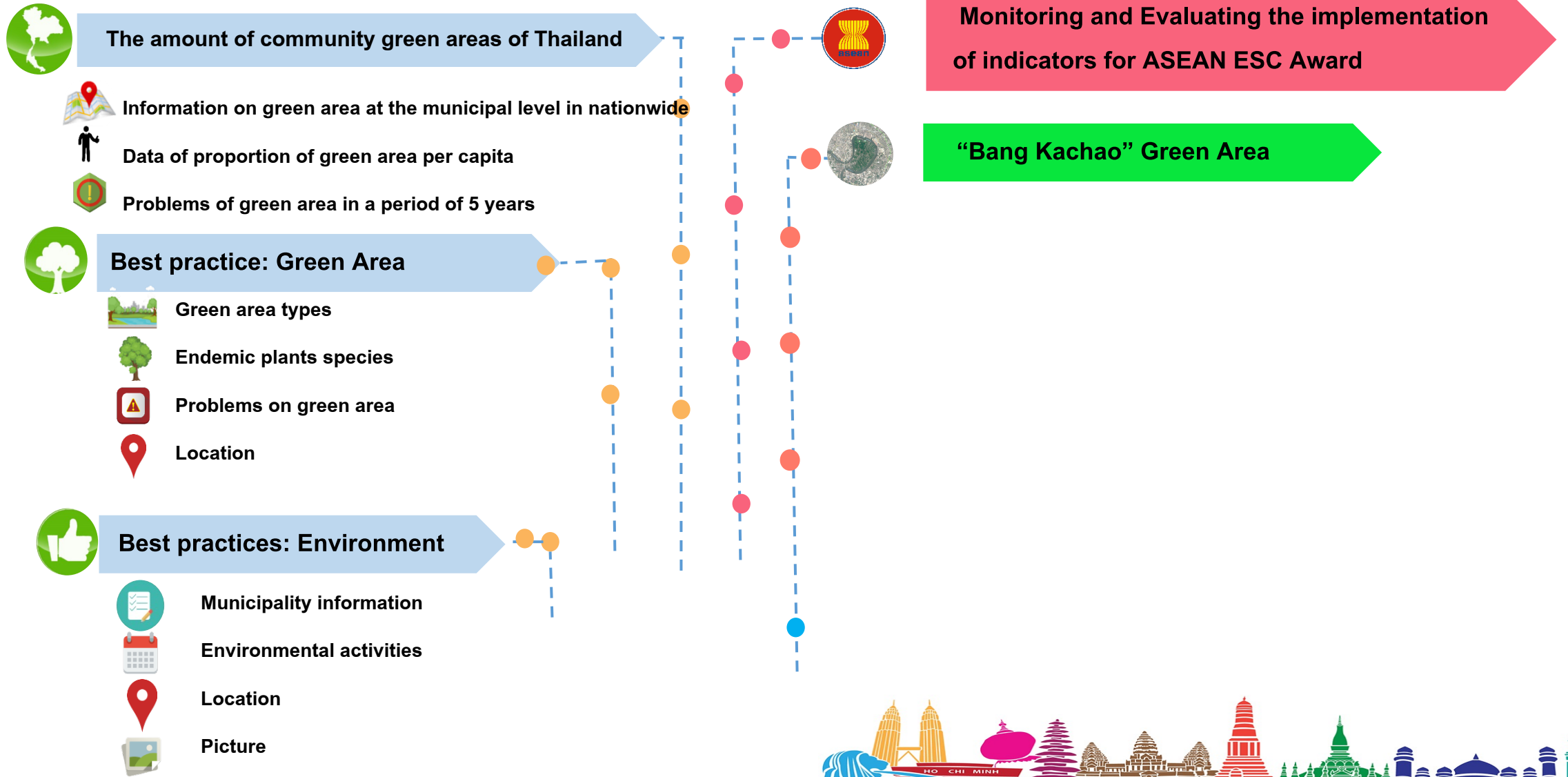


ตัวชี้วัดอาเซียน

<https://www.thaigreenurban.com/frmTassaban.aspx>



Thai Green Urban: TGU



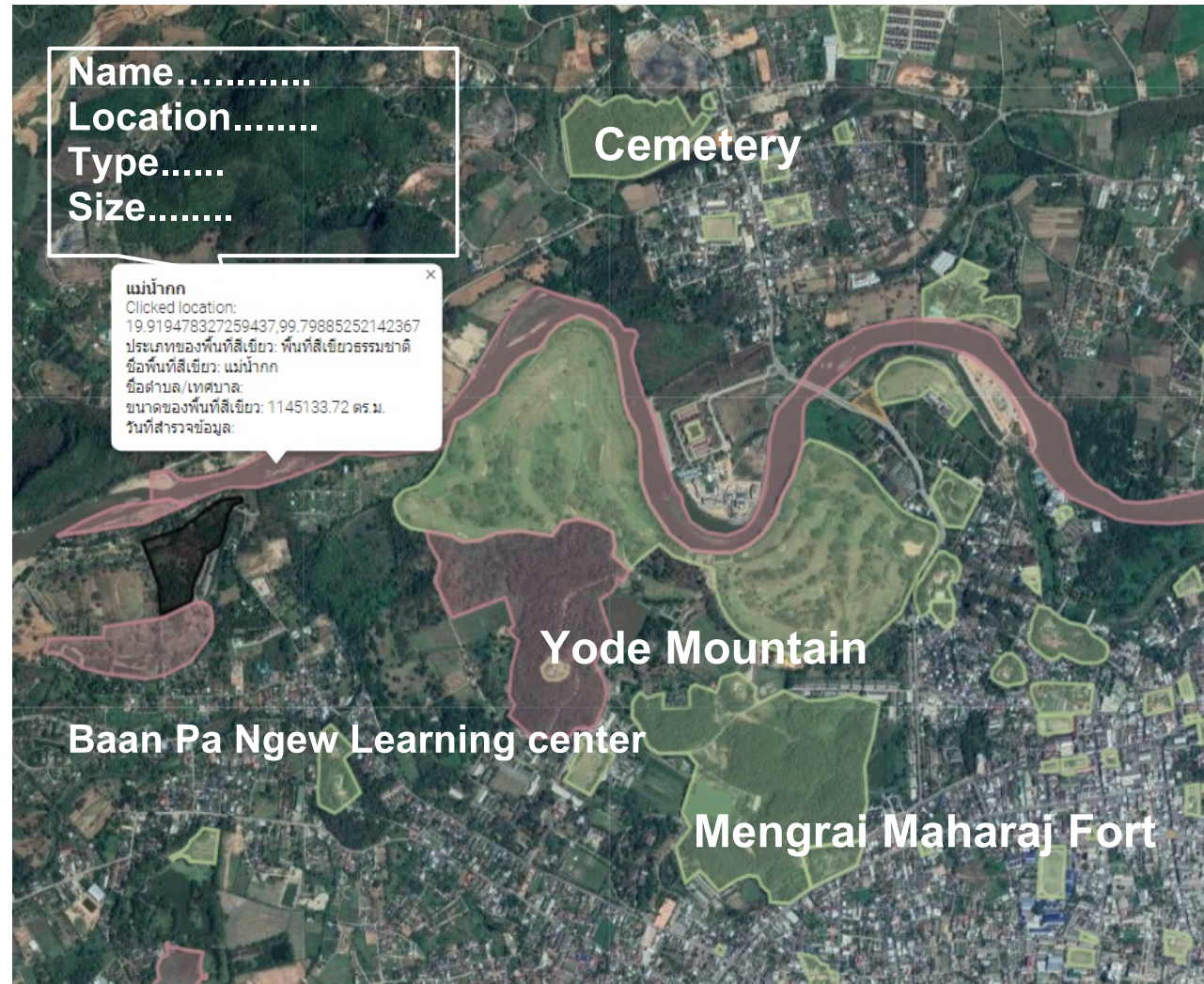
Sample display of database system TGU

Quantitative green areas
at the municipality level

✓ Proportion of green
area per population by
municipality

✓ Quantitative green
areas classified by
green area types

✓ Location and size of
green area





Issuing the policies for increase and maintain green areas



Determine the location of green areas that need to be increased and maintained



Implementation for the relevant projects



Collecting and processing data



Monitoring

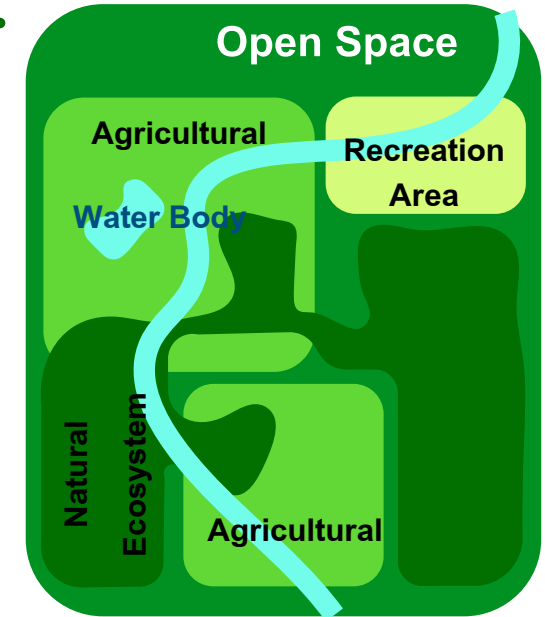
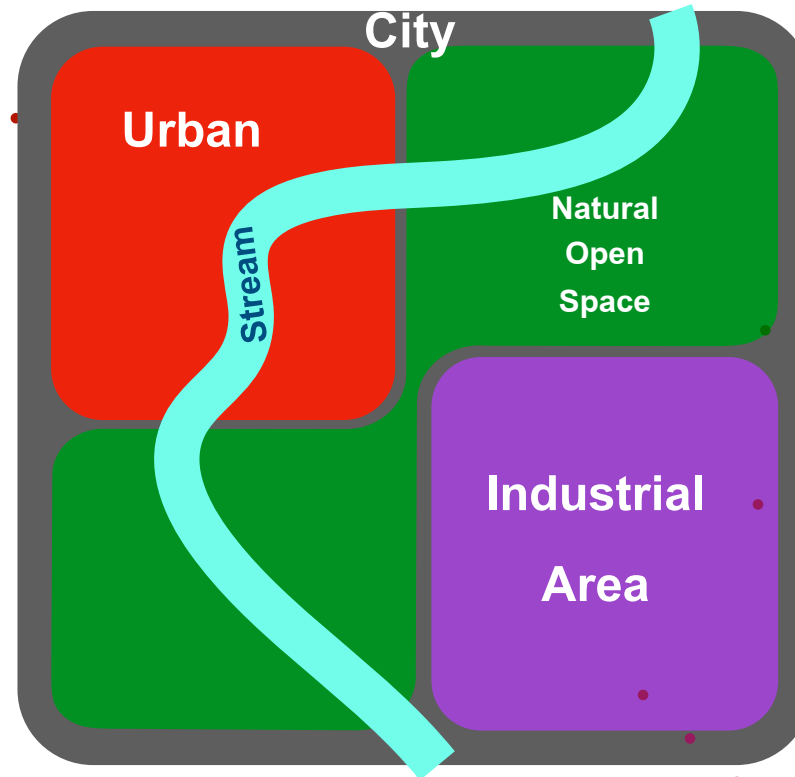
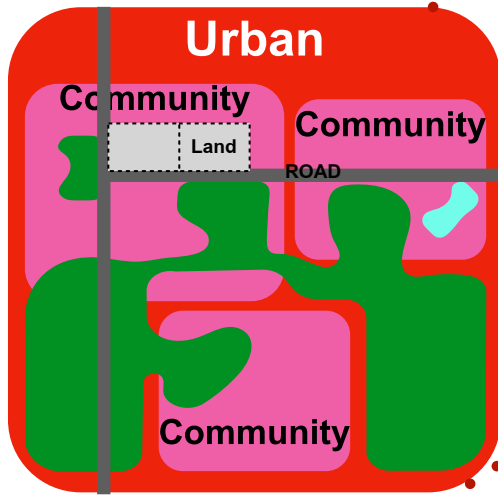


Operation report



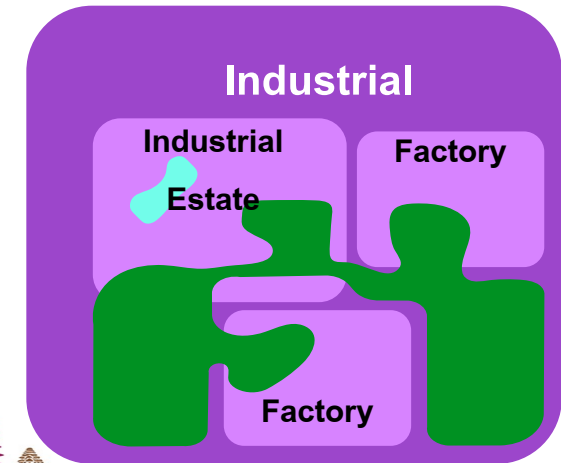
Dissemination and share of knowledge

Geographic Information System for Community's Green Space Planning

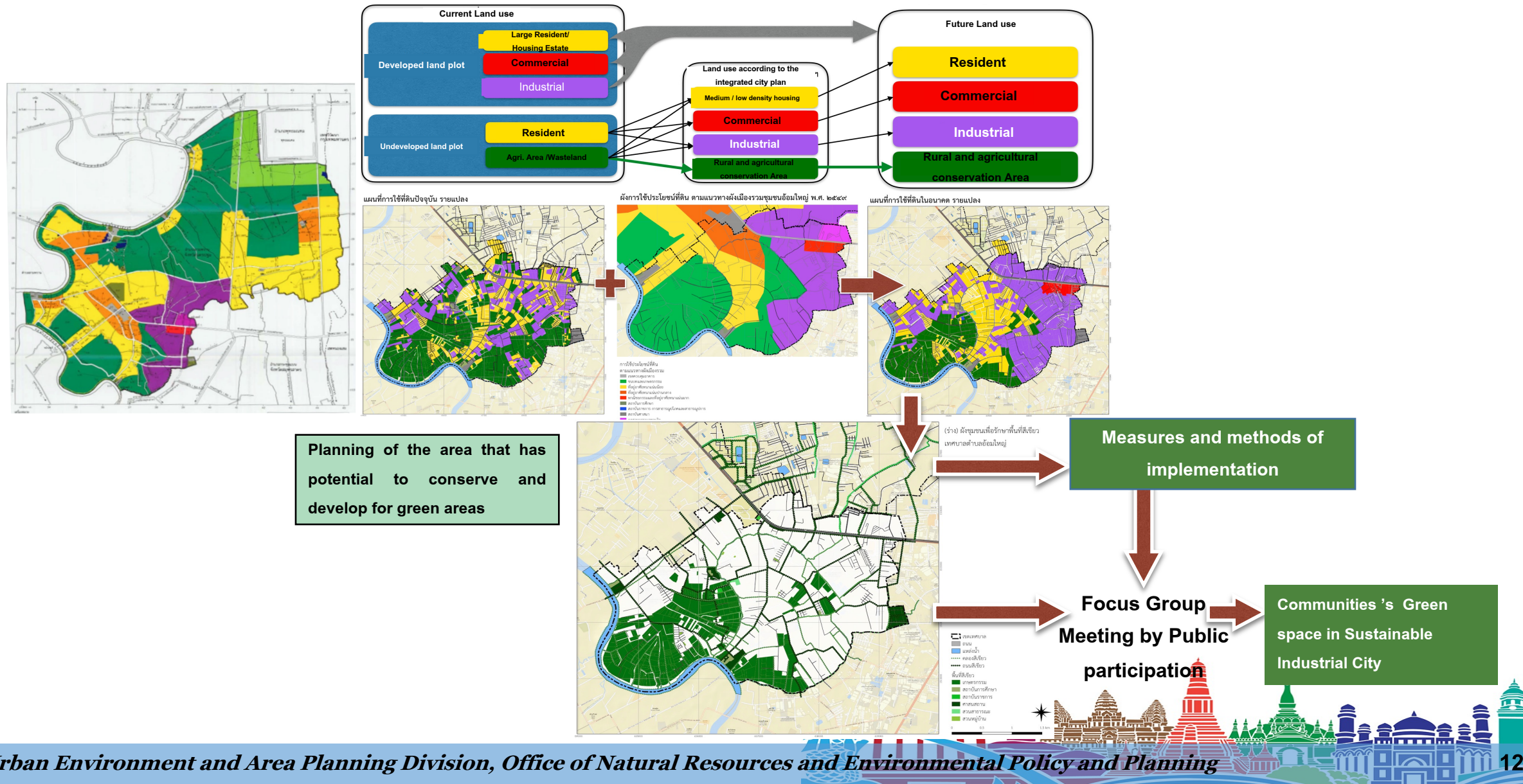


The city consists of;

- Communities Area
- Industrial Area
- Open space and Natural Ecosystem Area



Geographic Information System for Community's Green Space Planning



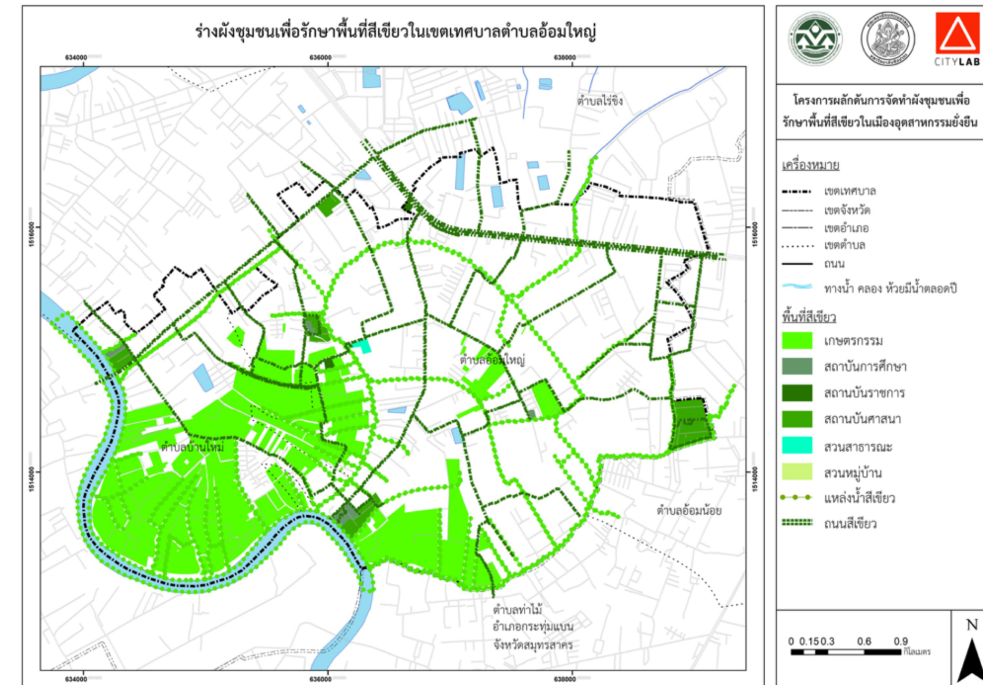
Geographic Information System for Community's Green Space Planning

GIS for green areas management's implementation

- **Community planning which improved by the participation process**

Usage of integration of GIS for Community's Green Space Planning

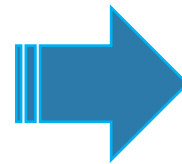
- **Making public relations media to strengthen knowledge for communities and stakeholders.**
- **Monitoring and evaluating the quantitative and quality of green area.**



Collaboration Between China and Thailand to Move Forward to Environmentally Friendly Urban Development

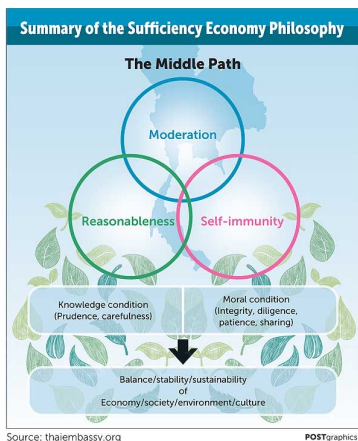
Thailand's Strength:

- Sufficiency Economy Philosophy of King Rama IX
- Public and community participation
- Local wisdom



Collaboration Between China and Thailand :

- Cooperation and Assistance: Knowledge and technology exchange



Thank You

Kob Khun Ka

