

The background of the slide is a photograph of a Bangkok skyline. In the foreground, a blue and white train is traveling on an elevated track. The background shows several modern high-rise buildings under a clear blue sky with some light clouds. A decorative blue and green wave-like graphic separates the image from the text below.

Key Challenges and Opportunities for Urban Green Growth in Bangkok

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Issues Needed to be Addressed



- ➔ **Green Growth Project in Bangkok**
- ➔ **Key challenges for urban green growth in Bangkok**
- ➔ **Opportunities for urban green growth in Bangkok**



Bangkok background



❖ Total Areas	1,568.737 km ²
❖ Average Ground Level	+0.50 to +1.50 m MSL
❖ Temperature	17.6 - 39.3°C
❖ 30-year Average Annual Rainfall	1,648 mm/year
❖ Populations	Registered
	Non Registered
❖ Density Populations	3,625 persons/km ² (2013)
❖ Houses	2,593,827 households (2013)

Green Growth Project in Bangkok



Project Period

12 months

Objective

To assess the impact of urban green growth and sustainability policies on economic performance and environmental quality

Scope of Study

Green Manufacturing and R & D

Sustainable urban form and Mobility

Strategies for Climate Adaptation

Infrastructure for Logistics

Natural Resource Consumption

The Role of Civil society in Green Growth



Output

The Report of Green Growth in Bangkok

as a guideline

to achieve

green growth in Bangkok

Green Growth Project in Bangkok



Steps of Activities:

Submitting
the letter of
Commitment

Hiring Local
Consultant

Collecting
Data

Organizing the
Knowledge
Sharing
Workshop

Developing
the report



Key Challenges for Urban Green Growth in Bangkok



Rapid Economic Growth



Public Awareness



Flood

- 2011 Mega Flood
- Water runoff from the north
- Local rainfalls
- Sea level rise



Rapid Urbanization

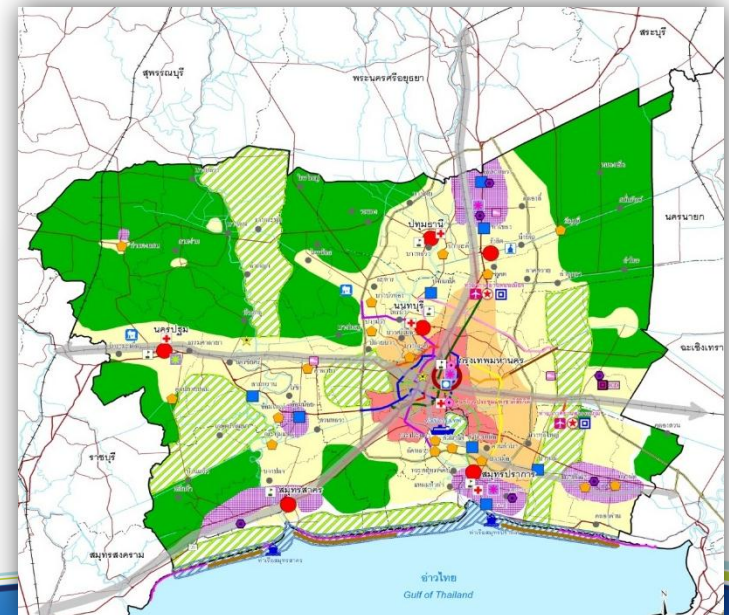
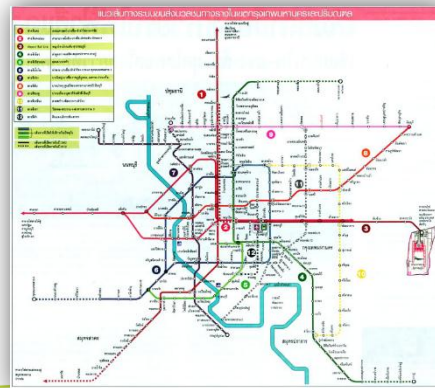
- Land Use
- Land subsidence



Opportunities for Urban Green Growth in Bangkok



- ➔ **Thailand Green Growth Policy**
- ➔ **Thailand 20-Year Energy Efficiency Development Plan (2011-2030)**
- ➔ **Bangkok Land Use Comprehensive Plan 2013**
 - ▶ **Land Use Plan**
 - ▶ **Open Space Plan**
 - ▶ **Transportation Plan**

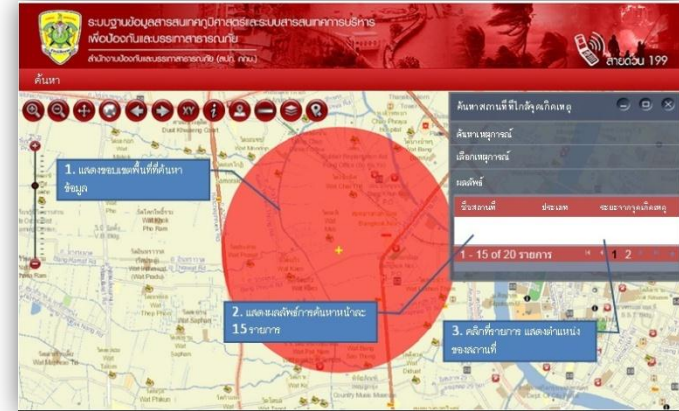


Opportunities for Urban Green Growth in Bangkok



→ Bangkok Crisis Management Plan

- ▶ National Disaster Prevention and Mitigation Plan 2010 – 2014
- ▶ Bangkok Disaster Prevention and Mitigation 2010 – 2014
- ▶ Bangkok Disaster Prevention and Mitigation on Operational Plan 2010



Bangkok Fire and Rescue Department, BMA

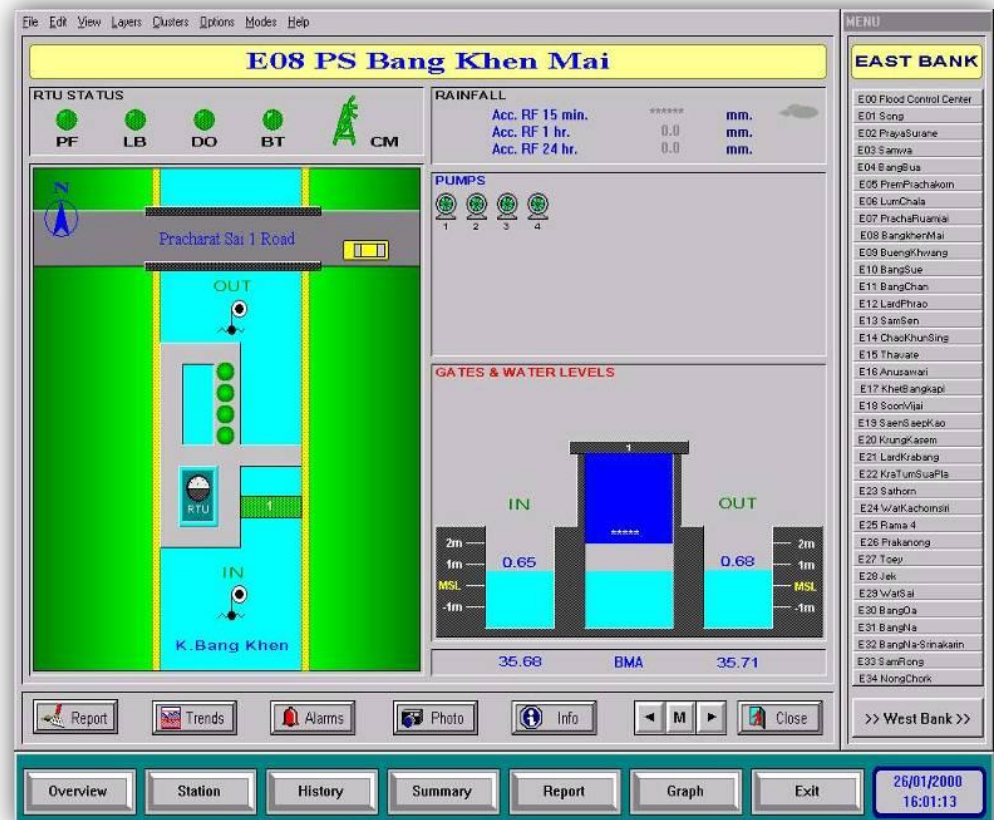


Opportunities for Urban Green Growth in Bangkok



→ Flood Protection and Drainage Infrastructures

- ▶ Dikes
- ▶ Drainage Tunnels
- ▶ Flood Control Center



Opportunities for Urban Green Growth in Bangkok



→ Coastal Erosion and Wave Protection

- ▶ The rehabilitation of mangrove forest along the shoreline
- ▶ Plans to construct rock-pile embankments along the shoreline





**Thank you
for your attention**