

# Environmental and Sustainable Development Governance Mechanisms in Bangkok, Thailand

## タイ・バンコクにおける環境と持続可能な開発のためのガバナンス・メカニズム



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## Scope of the presentation プレゼンテーションの範囲

- Vision and strategies of Sustainable Development in Thailand
- Concept of Sustainable Urban Development in Bangkok
- Partnerships from Public & Private Sectors on Environmental Sustainable Development in Bangkok
- Suggestion

## Vision and strategies of Sustainable Development in Thailand

### タイにおける持続可能な開発のためのビジョンと戦略

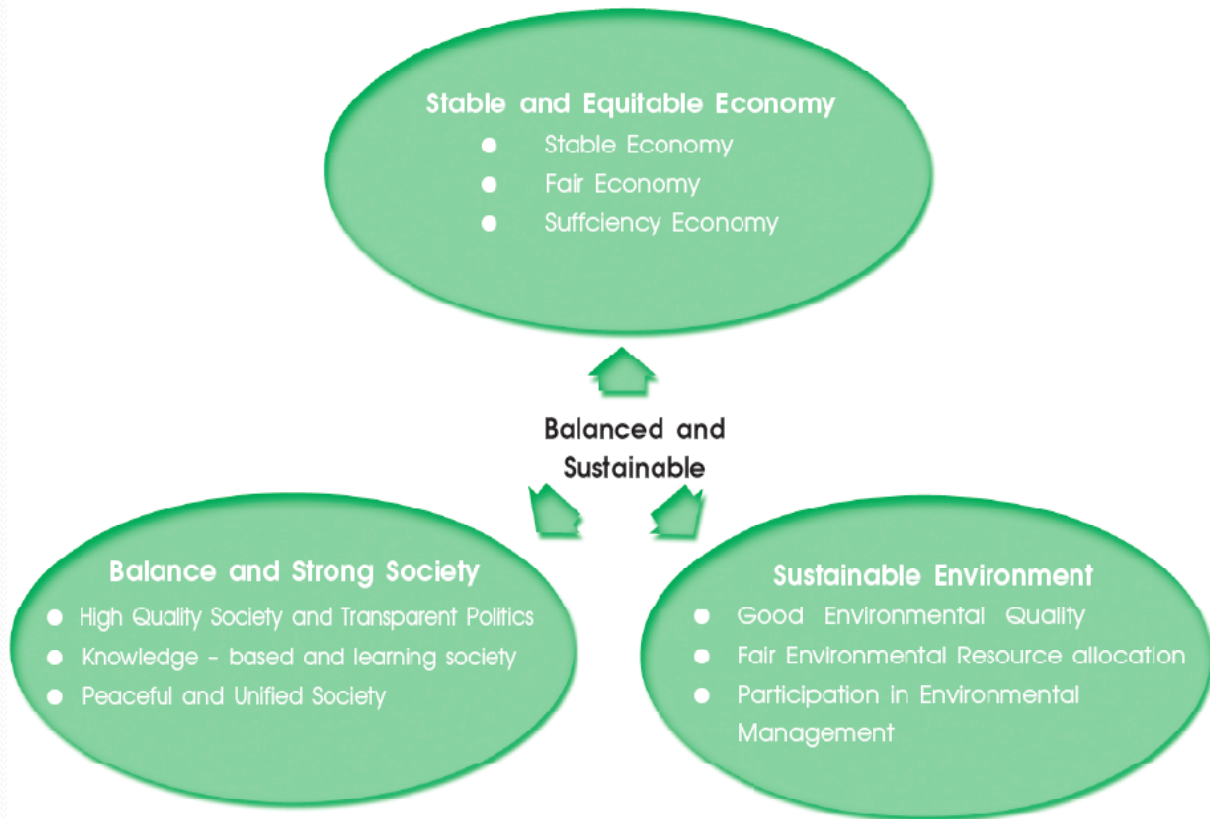
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## Sustainable Development Vision in Thailand タイの持続可能な開発のためのビジョン

- To create the **Green** and Happiness **Society**. The Thai population should have morality and wisdom, strong family values, strong communities, a peace society, with a high quality, stable and fair economy. The country should have **environment and sustainable natural resources that are managed under the good governance principle** and maintain its democracy under the leadership of the King it should be able to be member of the world community with dignity.

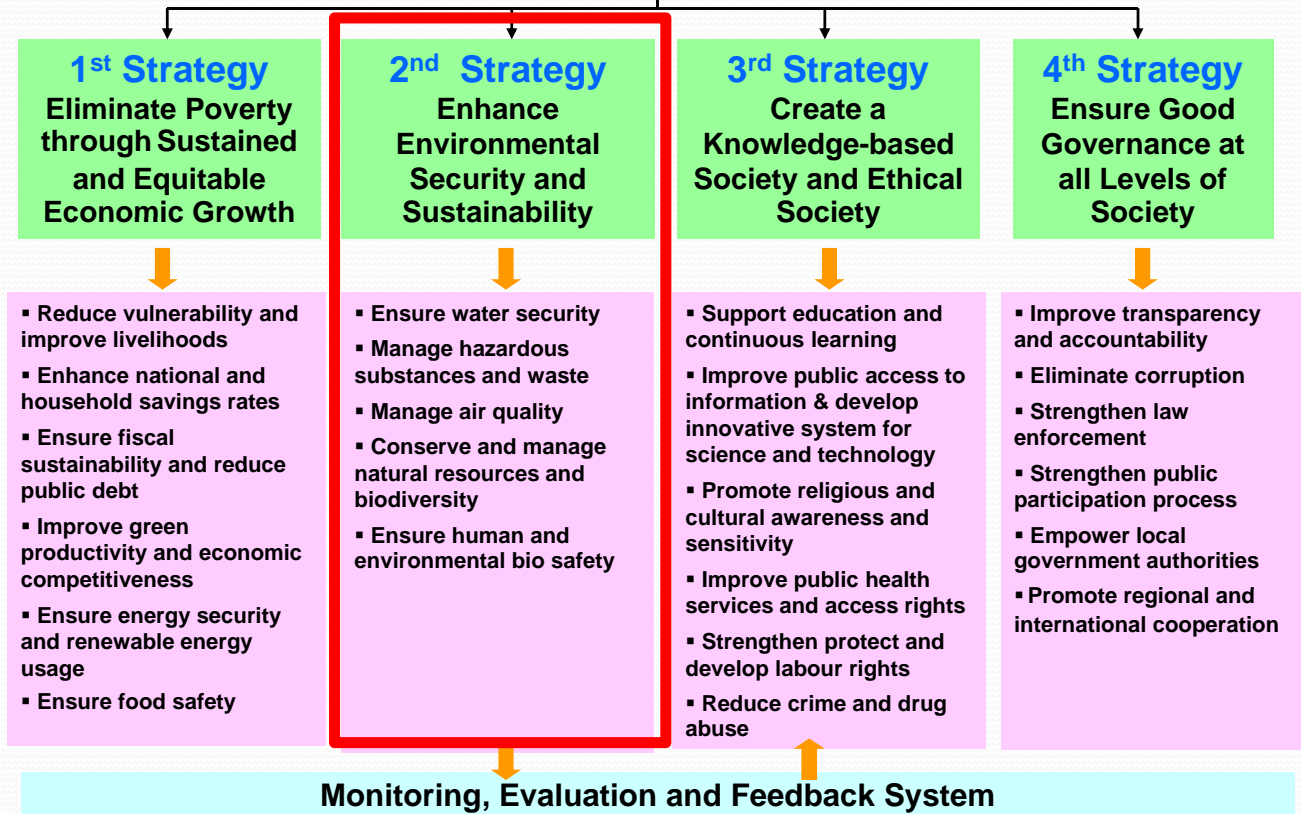
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Figure 1 Vision of Thailand Sustainable Development



## Thailand Sustainable Development Strategies

### タイの持続可能な開発戦略

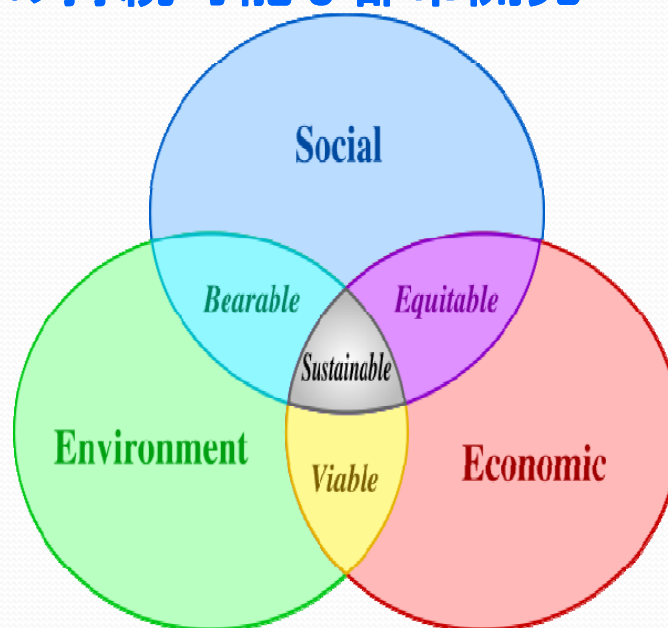


# Concept of Sustainable Urban Development in Bangkok

## タイの持続可能な都市開発のコンセプト

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### Sustainable Urban Development in Bangkok バンコクの持続可能な都市開発



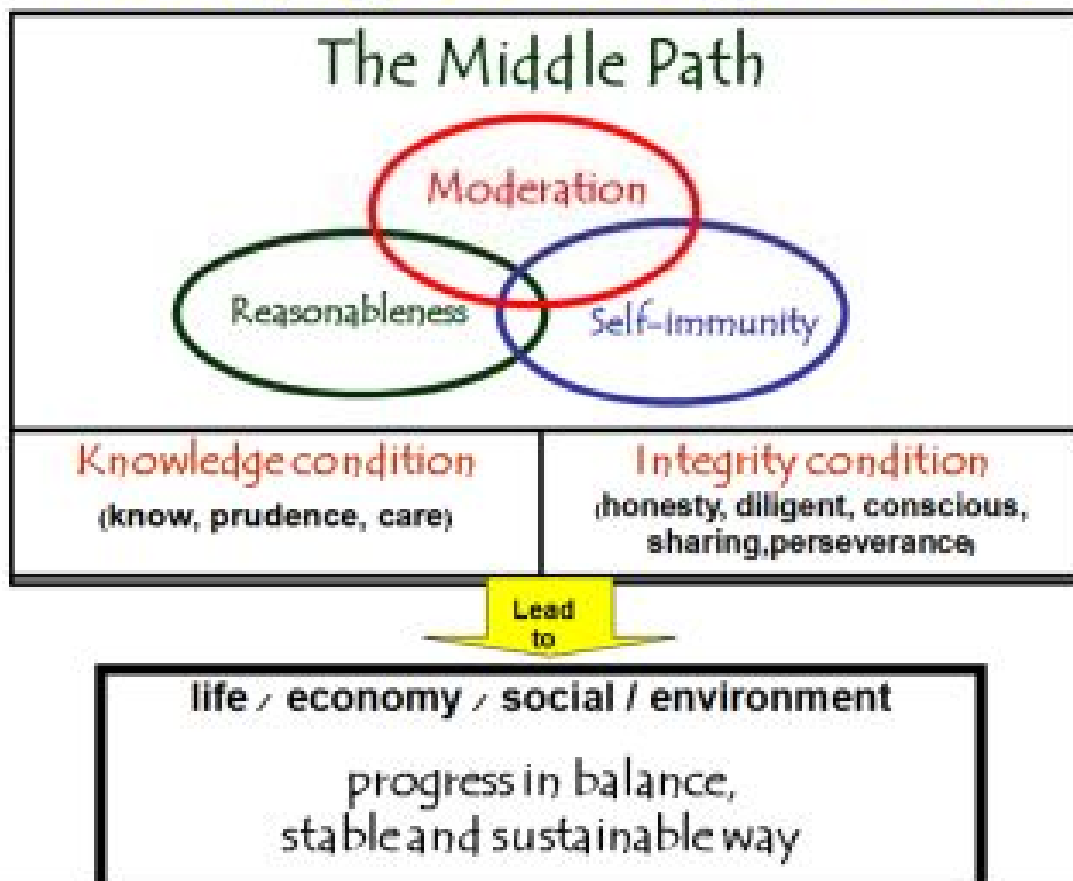
Improving the quality of life including environment, social and economic by integrating the *philosophy of Sufficiency Economy*

## Philosophy of Sufficient Economy 足るを知る経済の哲学

- A philosophy best owed by His Majesty the King in 1977
- The philosophy provides guidance on appropriate conduct covering numerous aspects of life.
- The philosophy points the way for recovery that will lead to a more resilient and sustainable economy, better able to meet the challenges arising from globalization and other changes.



## Philosophy of Sufficiency Economy



## Environmental Goals 環境目標

1. Participation of relevant stakeholders in environmental preservation and energy conservation
2. Continuously increase in the efficiency of environmental management without impacts
3. Attaining the environmental quality standard
4. Upgrading the quality of life



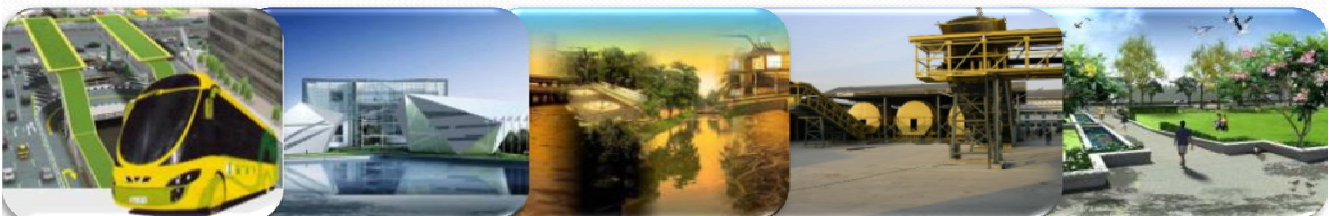
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## BMA Action Plan on Global Warming Mitigation バンコク都地球温暖化緩和に関する行動計画

Target : By 2012

*Ultimate Goal: 15% reduction of GHGs emission through the implementation of activities under the preceding 5 initiatives*

1. Expand Mass Transit and Improve Traffic Systems
2. Promotion the use of Renewable Energy
3. Improve Building Electricity Consumption Efficiency
4. Improve Solid Waste Management and Wastewater Treatment Efficiency
5. Expand Park Areas



# Partnerships from Public & Private sectors on Environmental Sustainable Development in Bangkok, Thailand

## タイ・バンコクにおける環境面で持続可能な開発に係る官民パートナーシップ

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### Urban Planning 都市計画

“Creative Chao Phraya” project by beautifying the riverbanks of the Chao Phraya River and organizing cultural activities along the river in Bangkok.



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# Energy Efficiency & Renewable Energy エネルギー効率と再生可能エネルギー

Expand the Mass Transit Rail System within the Bangkok Metropolitan Area



Improve Transportation & Public Bus System



Promote the Use of Biofuels & Alternative fuels



Promote Building Energy Consumption Efficiency  
 - Building Energy Award of Thailand (BEAT 2010)  
 - Publication of "50 designs for home decoration to combat global warming"  
 - Exchange the light bulb in BMA building

# Solid Waste Management 固形廃棄物管理

Project on 14 target groups for waste separation

- |                           |                              |
|---------------------------|------------------------------|
| 1. BMA's school           | 8. Temples, religious places |
| 2. Public health premises | 9. Communities               |
| 3. Universities           | 10. Estate villages          |
| 4. Banks                  | 11. High rise buildings      |
| 5. Department stores      | 12. Hotel                    |
| 6. Minimarts              | 13. Private school           |
| 7. Market places          | 14. OBEC's school            |



Pilot project on recycle waste collection in villages





# Solid Waste Management 固形廃棄物管理

## Recycling Project Cooperation with The Federation of Thai Industries



☺ Project on Paper Separation to Reduce Global Warming (SCG Paper plc)



☺ Project on waste recycle "Recycle 360 loved the world ... every day Help to recycle." (Coca-Cola Company Foundation)



☺ Project on waste separation at convenience stores

☺ Project on providing drop-off points at department stores



# Green Area グリーンエリア

Build and improve public parks on vacant areas owned by government sectors, state enterprise, religious places such as Expressway Authority of Thailand, Department of highways, The Treasury Department, The Crown Property Bureau, State Railway of Thailand etc.

Build the vertical garden on the pillars and bus stops

Set up the volunteers to grow the mangrove forest.

Grow the tree on special occasions by supporting the plant to the public.

Organize the training on planting and how to take care of trees.

Lunch Big Tree Contest to campaign for the conservation of big trees in Bangkok.



## Vertical Garden



## Big Tree Contest



## Green Society グリーン社会

**Project on Green Procurement  
(Green Products & Green Services)**



**Project on Biodiversity Conservation  
(Big Tree Project)**



**Cooperated with the Energy Senate  
Committee on Training program for  
BMA's teachers and students on  
Energy Conservation in 2010**



**Campaign of using cloth bags  
instead of plastic bags and  
"No Bag, No Baht" project**



## Suggestion 提案

- Promoting the Environmental and Sustainable Development (ESD) aspect to be priority of global level.
- Enhancing the international cooperation for the achievement of ESD.
- Promoting the mechanisms to link the international and national framework through the local administration.
- Increase the strong linkage of city to city in Asian for promoting the initiative of ESD.
- Promoting the role of local administration to formulate the ESD on the process of decision making not only implementation.
- To support the study on institutional arrangement , technical and innovation and finance mechanism to promote the ESD.
- Providing the best practice on public ownership and responsibility to participate the ESD concept.

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**THANK YOU FOR YOUR ATTENTION**  
**御清聴ありがとうございました**

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