

Yokohama Presentation

July 2016





Leveling and Scaling-Up Transformative Sustainability Innovations

Bangkok 12 Years Development Plan

Bangkok 2020



Bangkok 12 Years Development Plan

Vision : Sustainable Metropolis by 2020



Bangkok 12 Years Development Plan

Vision : Sustainable Metropolis by 2020

Infrastructural
Dimension

Socio-Cultural
Dimension

Economic
Dimension

Services & Mgmt
Dimension

Gateway

Green

Good Life

Bangkok 12 Years Development Plan

Vision : Sustainable Metropolis by 2020

	Infrastructural Dimension	Socio–Cultural Dimension	Economic Dimension	Services&Mgmt Dimension
Gateway	<i>Transportation & Communication Gateway</i>	<i>Knowledge Based and Education Gateway</i>	<i>Mega City Economy, R&D, Tourism Gateway</i>	<i>Mega City Service and Management Gateway</i>
Green	<i>Green City</i>	<i>Health, Well being City with Unique Cultural Identity</i>	<i>Self-sufficient Economy</i>	<i>Good Governance</i>
Good Life	<i>Lively City</i>	<i>Safe and Well being Society</i>	<i>Civic Opportunities</i>	<i>Total Engagement</i>



M.R. Sukhumbhand Paribatra
The Governor of Bangkok





: City of Learning

: City of Green

: City of Happiness

: City of Opportunity for All

: City of Safety

: City of ASEAN

The graphic features a stylized city skyline in shades of grey and blue at the top. Below this, a blue horizontal bar contains the text 'Bangkok Vision 2032'. The background is a vibrant orange and yellow gradient. In the foreground, there are white silhouettes of four people (two children and two adults) walking from left to right. A large white question mark is positioned on the right side of the lower half. The text 'Bangkok : Vibrant of Asia' is written in blue with a white outline, positioned over the silhouettes.


Bangkok Vision 2032

Bangkok : Vibrant of Asia

Bangkok Vision 2032

A stylized, low-poly illustration of a city skyline in shades of blue and grey, serving as a background for the title and the first text block.

The Bangkok Metropolitan Administration held a collaboration among Bangkok residents from all walks of life to decide their own visions through a participatory process in forms of public hearings with a record high number of meetings and participants involved.

A decorative horizontal band at the bottom of the slide, consisting of a solid yellow stripe flanked by two stripes with a white diagonal pattern on a yellow background.

Bangkok Vision 2032
Bangkok : Vibrant of Asia

Bangkok 2032 : A Safe City

Bangkok 2032 : A Green City

Bangkok 2032 : A City for All

Bangkok 2032 : A Compact City

Bangkok 2032 : A Democratic City

Bangkok 2032 : A City of Growing Economy and Life-Long Learning



Bangkok Vision 2032

Bangkok : Vibrant of Asia

Towards the sustainability of the Vision 2032

- ***Establishing a People Council Network to monitor the implementation of the Visions***
- ***Establishing Bangkok Service Watch***
- ***Disseminating and perpetuating the ideas of Bangkok 2032 to a wider circle***
- ***Insisting on legal endorsement of the ideas of Bangkok 2032***



A photograph of the United Nations Secretariat Building, a tall skyscraper with a distinctive white facade and a blue-tinted glass upper section, set against a clear blue sky with light clouds. The building is the central focus of the top half of the image.

Sustainable Development Goals

adopted at the United Nations Sustainable Development Summit on 25 September 2015



Sustainable Development Goals

Goal 1. End poverty in all forms everywhere

Goal 2. End hunger, achieve food security and improve nutrition and promote sustainable agriculture

Goal 3. Ensure healthy lives and promote well-being for all at all ages

Goal 4. Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all

Goal 5. Achieve gender equality and empower all women and girls

Goal 6. Ensure availability and sustainable management of water and sanitation for all

Goal 7. Ensure access to affordable, reliable, sustainable and modern energy for all

Goal 8. Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all

Goal 9. Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation

Goal 10. Reduce inequality within and among countries

Goal 11. Make cities and human settlements inclusive, safe, resilient and sustainable

Goal 12. Ensure sustainable consumption and production patterns

Goal 13. Take urgent action to combat climate change and its impacts

Goal 14. Conserve and sustainably use the oceans, seas and marine resources for sustainable development

Goal 15. Goal 16. Goal 17.

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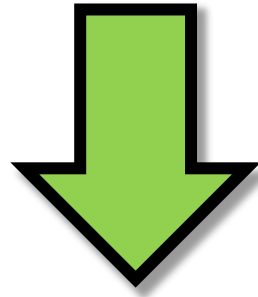
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Goal 13. Take urgent action to combat climate change and its impacts

Goal 14. Conserve and sustainably use the oceans, seas and marine resources for sustainable development

One Aspect of Challenges of Bangkok :

URBAN RESILIENCE



URBAN SUSTAINABILITY



An aerial night photograph of Bangkok, Thailand, showing the city's dense urban landscape and the Chao Phraya River. The city lights are reflected in the water, and a large white circle is superimposed over the center of the image, framing the title text.

5 Discovery Areas for Resilient Bangkok



How can Bangkok be better protected from flooding now and into the future?

1



How can Bangkok residents be better supported to reduce the impacts of shocks and bounce back stronger?

2



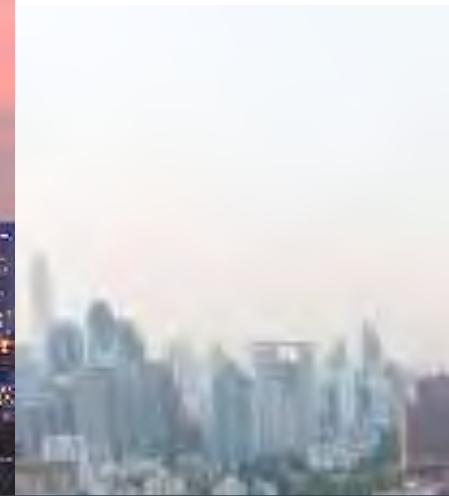
How can mobility be better improved across Bangkok?

3



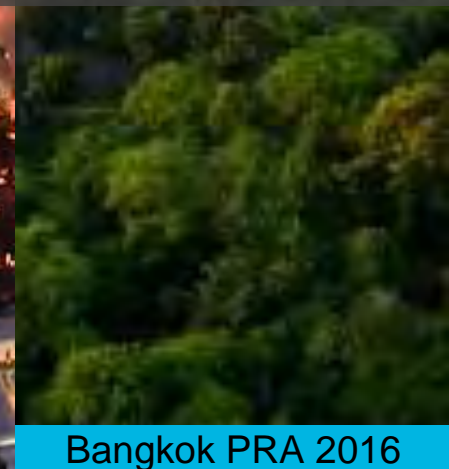
How can the economic prosperity and equality of Bangkok residents be improved?

4

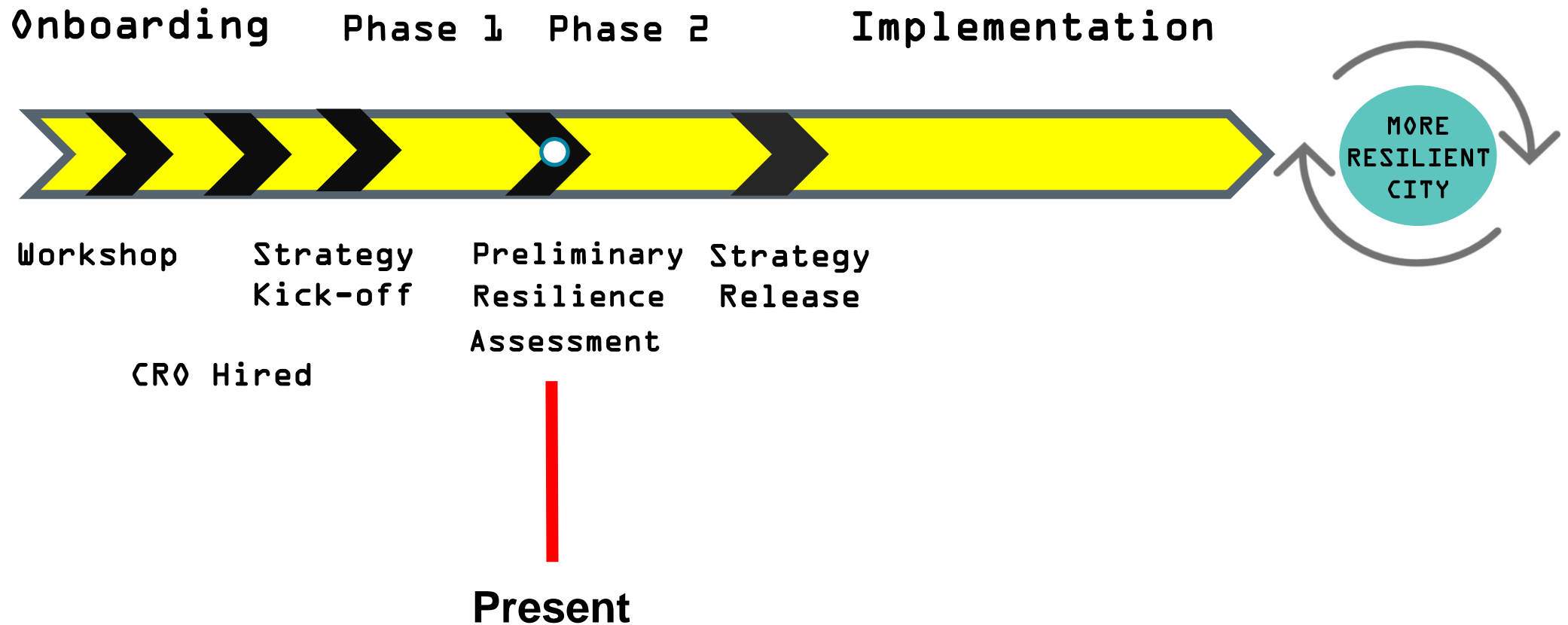


How can the health and wellbeing of Bangkok residents be better supported?

5



The Steps





Residents of Bangkok

The Bangkok Metropolitan Administration
are very appreciative and remain grateful
to IGES

JICA

The City of Yokohama







Concrete Actions on Climate Resilience

Bangkok Action Plan on Climate Change 2007 - 2012

Bangkok Master Plan on Climate Change 2013 - 2023

Environmental Sustainable Transportation

Energy Efficiency and Alternative Energy

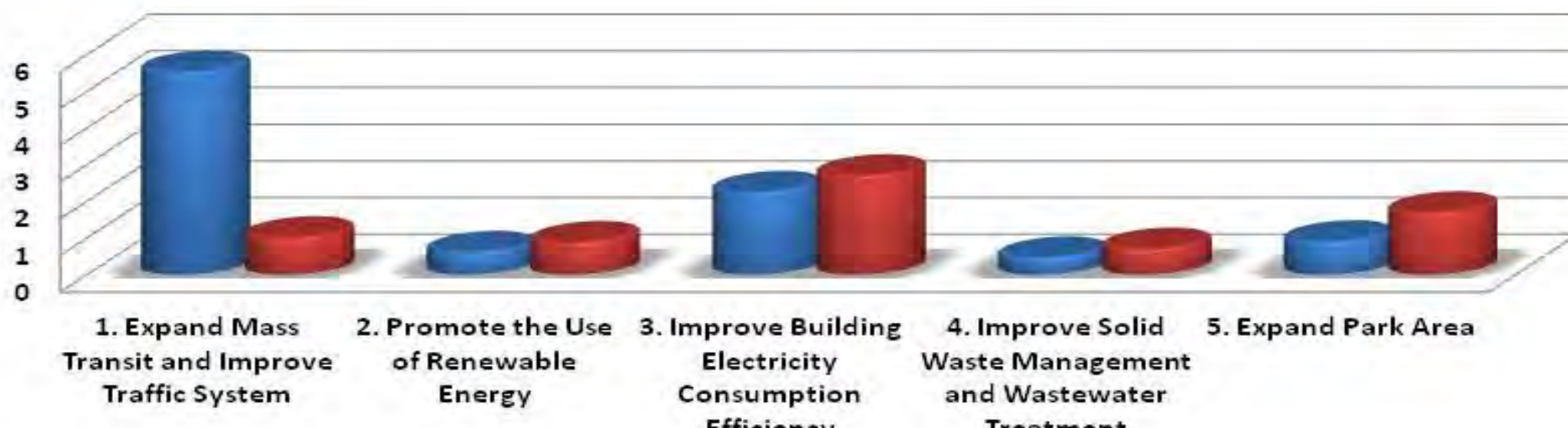
Efficient Solid Waste Management and Wastewater Treatment

Green Urban Planning

Adaptation Planning

Results of Measures under BMA Action Plan on Global Warming Mitigation (2007 – 2012)

BMA Action Plan on Global Warming Mitigation (2007 – 2012)	Target Reduce CO ₂ in 2012 (million-tones)	Total amount of CO ₂ Reduction (million-tones)
1. Expand Mass Transit and Improve Traffic System	5.53	1.01
2. Promote the Use of Renewable Energy	0.61	0.88
3. Improve Building Electricity Consumption Efficiency	2.25	2.70
4. Improve Solid Waste Management and Wastewater Treatment Efficiency	0.46	0.70
5. Expand Park Area	0.90	1.69
Total	9.75	6.98 (14 %)



Concrete Actions on Climate Resilience

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Environmental Sustainable Transportation

Energy Efficiency and Alternative Energy

Efficient Solid Waste Management and Wastewater Treatment

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**Energy Efficiency and Alternative Energy
Efficient Solid Waste Management and
Wastewater Treatment**

**The City of Yokohama extends
cooperation to the City of Bangkok on
4 focal areas :**

- 1) energy management, public
transport, waste and wastewater***
- 2) participations by private sectors
academia and local communities***
- 3) call for participations by Thai
and Japanese Governments and
supports of international orgs.***
- 4) information sharing***



Concrete Actions on Climate Resilience

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Environmental Sustainable Transportation

Energy Efficiency and Alternative Energy

Efficient Solid waste management and Wastewater Treatment

Green Urban Planning

Adaptation Planning

Green Planning

Buildings with
water retention
facilities will be
provided with
FAR bonus

The City of Bangkok originally aimed only for increment of Green Area.

Incorporated with benefits and experiences gained from the Corporations with Yokohama Bangkok then supplemented the Plan with the Concepts of **Green Urban Planning**

Green Planning

Buildings must maintain at least 50% of open space area with **water permeable surface** .

The City of Bangkok originally aimed only for increment of Green Area.

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Why Bangkok is highly vulnerable to flooding ?

07.11.2011 15:05



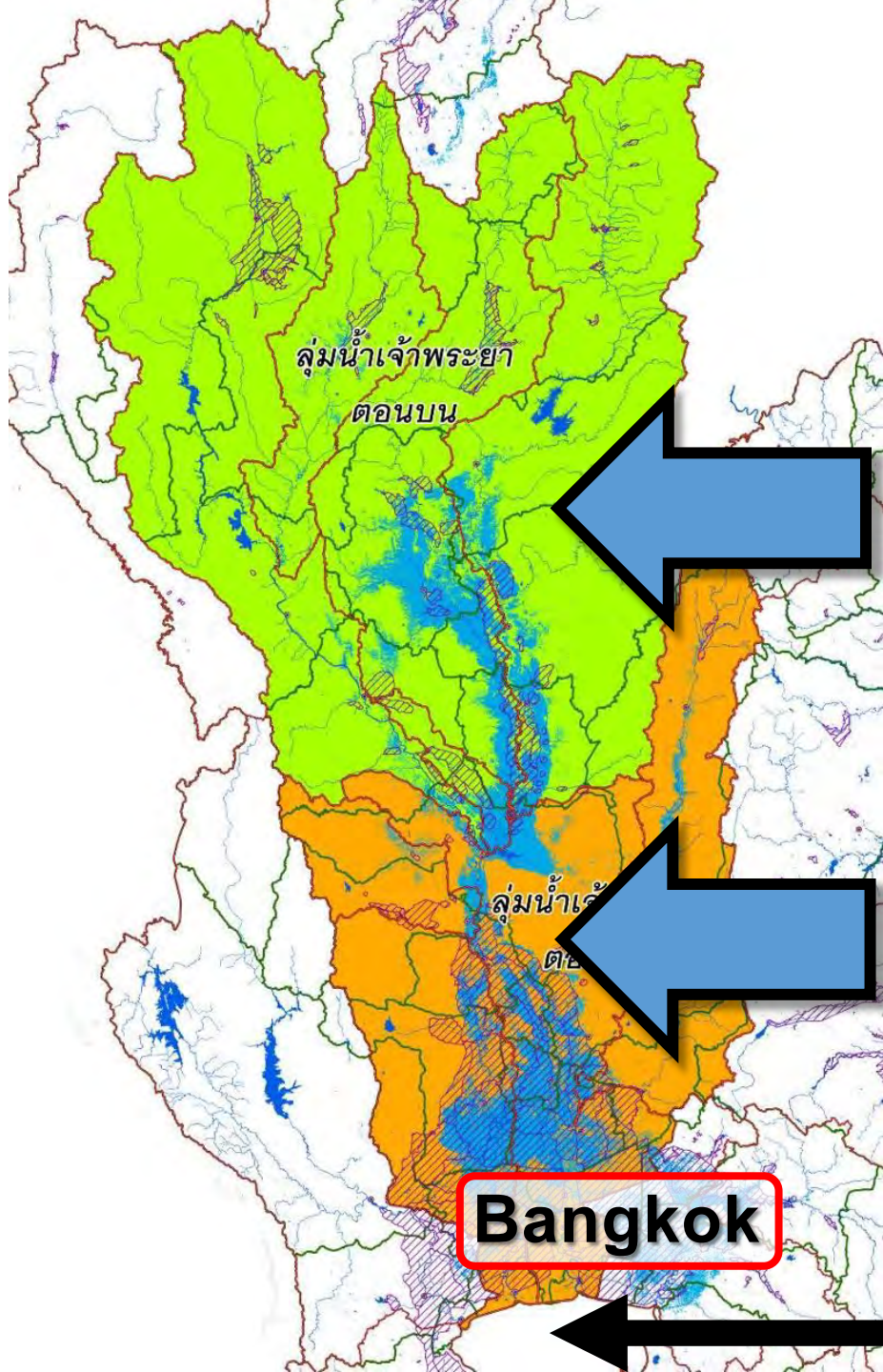
Bangkok is highly vulnerable to flooding
due to :

: vast water catchment areas north of Bangkok

: increasing rate of land subsidence



Average annual rainfall 1,500 mm
Catchment area is 160,000 km²



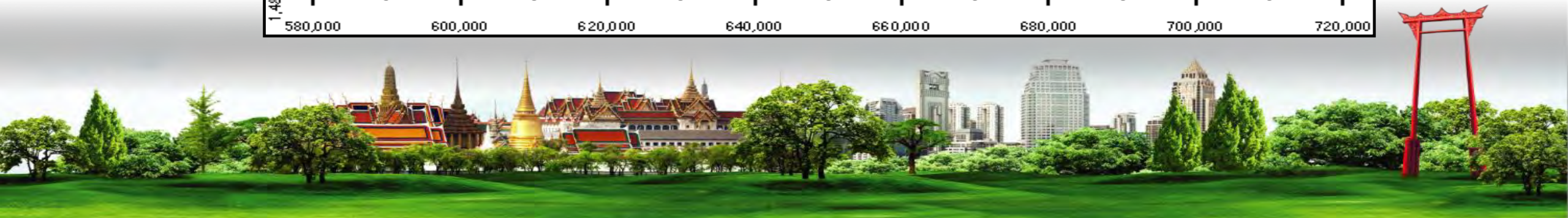
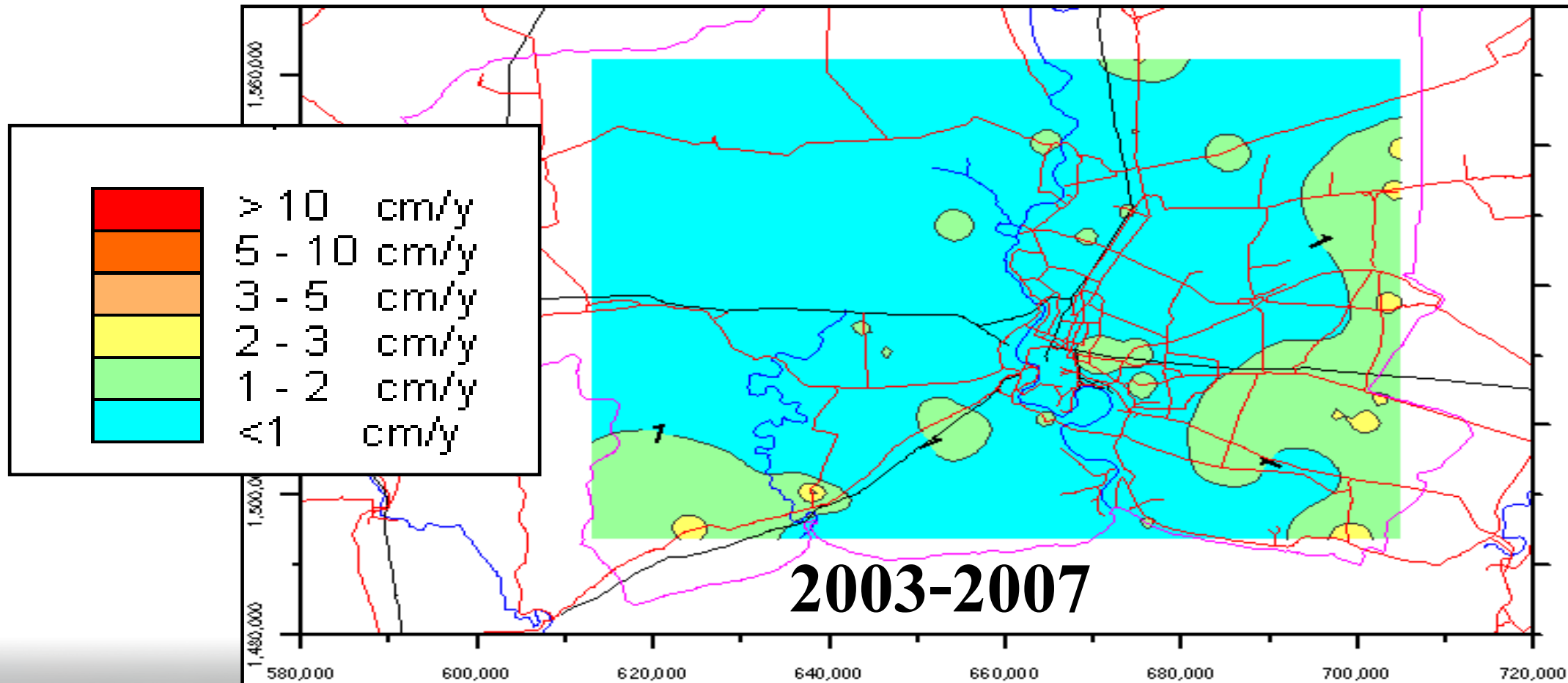
upper water catchment areas

lower water catchment areas

Bangkok

The Gulf of Thailand

Average Land Subsidence Rate : 1.3 cm / y



Concrete Actions on Climate Resilience

Bangkok Action Plan on Climate Change 2007 - 2012

Bangkok Master Plan on Climate Change 2013 - 2023

Environmental

Sustainable Transportation

Energy Efficiency

The City of Yokohama and Bangkok further agree upon to develop capacity building Development by cooperation for learning by by doing activities under *the Project for the Project for Strengthening Institutional Capacity for the Implementation of the Bangkok Master Plan on Climate Change 2013 – 2023.*

Efficient Solid waste management and Wastewater Treatment

Green Urban

Adaptation Planning

Sustainable Development

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graph TD; SD[Sustainable Development] --- Env[Environment]; SD --- CC[Climate Change]; SD --- DRR[Disaster Risk Reduction]; CC --- CB[Capacity Building]; CC --- TS[Technical Supports]; CC --- MEM[Establishment of Monitoring & Evaluation Measures]; CC --- DSM[Development of Scaling-up Mechanisms];
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Environment

Disaster Risk Reduction

Climate Change

Capacity Building

Technical Supports

Establishment of Monitoring & Evaluation Measures

Development of Scaling-up Mechanisms

***The City of Bangkok
aspires to be the Hub of ASEAN
on sustainable development
acquired upon valuable supports
from IGES and other Japanese
valuable colleagues.***





***THANK YOU
FOR
YOUR
KIND ATTENTION***

