

Group 1

Challenges and prospects to low carbon cities in Asia

1. The issues in the cities for mitigation and adaptation to climate change

Mitigation

- Limited awareness (Rayong)
- Transportation (BMA)
- Solid waste and wastewater
- Energy efficiency in buildings
- Renewable energy
- Green Area
- Energy Efficiency (Matale)
- Recycling and waste management
- Urban Greening
- Inefficient Mass transport
- Warmer city (Kurunegala)
- Solid waste (Luang Prabang) : open burning, no waste segregation
- Waste water
- Tourism related transportation : cars and boats

1. The issues in the cities for mitigation and adaptation to climate change

Adaptation

- Land subsidence and flooding (BMA)
- Air pollution due to traffic congestion (Kandy)
- Landslide due to change in rain pattern (Kandy)

2. Existing low carbon initiatives

- NEXUS Initiative (Cambodia) : reduce cooking related energy consumption
- Energy saving authority (Sri Lanka) : fund for changing to energy efficient bulbs
- National Housing Bank of India (India) : greening buildings
- Solid waste(Rayong) : fertilizer from organic waste, converting plastic waste to fuel
- Renewables (Nontaburi) : using solar PV for the municipal office buildings
- Canada support(Danang) : cleaner production in industries, producing electricity from biogas and greening the city

3. Barriers for small and medium cities to address CC issues

- Lack of national level policy (Sri Lanka)
- Lack of political commitment
- A gap between national policy to local action (Thailand)
- Unclear division of responsibility between in province and city (Luang Prabang)
- No coordination between different government agencies (Kandy)

4. Suggestions for Asian cities/Challenges and barriers for cooperation in supporting low carbon initiatives between European and Asian cities

- Asian cities already have low-carbon footprints, setting the LC idea to small cities is quite challenging

How to relate L.C idea to development ?

What are the multiple benefits of carbon mitigation?

- This can lead to selling the idea.
- Donors are interested in change of behavior mind etc. The Asian initiatives should ensure that.

5. Opportunities for city to city collaboration

MOU between Paris and Bangkok Metropolitan Authority (BMA)

- Promotion of good practices e.g. energy conservation

Lyon and Delhi

- Air quality monitoring system

Between French cities

- Exchange information with their experiences in low carbon initiatives

Japanese and Asian cities

- Only few cities have mandate for city to city corporation
- MRV- **M**easurable, **R**eportable and **V**erifiable changes
 - Japanese cities invest in Asian cities for mitigation purposes