MRC Climate Change Adaptation Demonstration Projects in the Lower Mekong Basin Ho Chi Minh, Viet Nam

21-22 July 2011

Urban Climate Adaptation of Chiang Rai: Challenges and Opportunities (ACCCRN Thailand)

Thailand Environment Institute

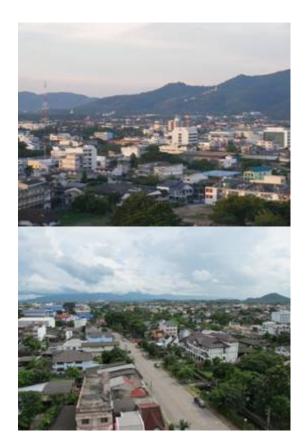






ACCCRN

Asian Cities Climate Change Resilience Network Supported by Rockefeller Foundation



ACCCRN focuses on building climate resilience in urban context in 10 pilot cities of 4 countries across Asia

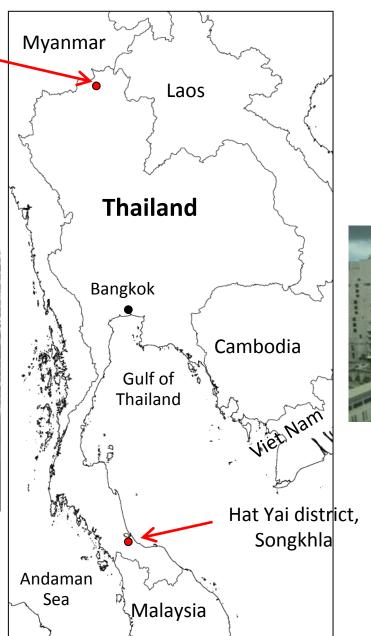
- India
- Viet Nam
- Indonesia
- Thailand







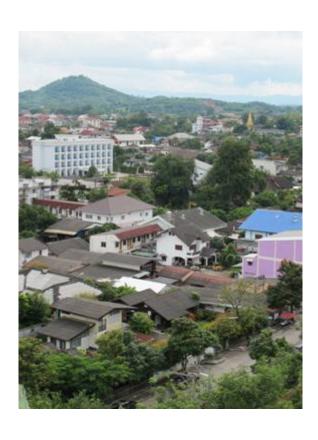
Asian Cities











Brief overview

- Population 70,000
- Strong rural-urban linkage
- Low lying area of Kok River basin
- Elevation above MSL
- Agriculture sector
- Tourism sector
- Economic / trade corridor to China





ACCCRN Thailand Chiang Rai City

Main objective of ACCCRN in Thailand at the city level

- Strengthening capacities of cities to plan, develop and implement urban climate resilience strategies
- Integration of climate adaptation into development plans of municipality and province







Engagement and Capacity Building City stakeholders

- Mayor / city clerk Chiang Rai Municipality
- Local and provincial government agencies / departments
- Academics
- Private / business sector
- Local NGOs







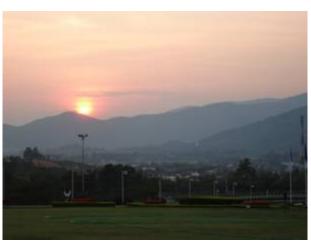
สถาบันสิ่งแวดล้อมไทย Thailand Environment Institute



Key climate vulnerabilities identified by city stakeholders

- Water supply for consumption and agricultural purposes
 - urban poor
 - farmers without irrigation
- Agriculture sector winter crop
- Tourism sector winter period, nature reserves, ecosystems





Climate Resilience Strategy

- Coordination
- Water management
- Ecosystem and biodiversity
- Agriculture
 - urban agriculture
 - organic farming
- Sustainable tourism
 - eco-tourism
 - agro-tourism









Water resources

- Urban water bodies
- Urban agriculture
- Biodiversity and ecosystems
- Additional water supply storage





Challenge and Opportunity

- Entry point for engagement
- Key actors / champions
- Awareness and understanding of climate change and adaptation
- Jurisdiction boundaries
- Coordination abilities of municipality
- Integration and scaling up



