

MRC
Climate Change Adaptation Demonstration Projects in
the Lower Mekong Basin
Ho Chi Minh, Viet Nam
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Urban Climate Adaptation of Chiang Rai:
Challenges and Opportunities
(ACCCRN Thailand)

Thailand Environment Institute



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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



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Chiang Rai

ACCCRN cities

Hat Yai

Muang district,
Chiang Rai



Chiang Rai City



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



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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



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Chiang Rai City

Engagement and Capacity Building City stakeholders

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



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Chiang Rai City



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



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Climate Resilience Strategy

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



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Water resources

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



Chiang Rai City

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



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