Building urban climate resilience in Thailand and the Mekong region

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Urban climate resilience projects

- ACCCRN (2009-2016) – Rockefeller
  - India, Indonesia, Vietnam, Thailand
- M-BRACE (2011-2014) – USAID
  - Vietnam, Thailand
  - Cambodia, Myanmar, Vietnam, Thailand
Climate Resilience Framework

The Climate Resilience Framework


CLIMATE EXPOSURE

UNDERSTANDING VULNERABILITY

AGENTS

SYSTEMS

INSTITUTIONS

SHARED LEARNING

BUILDING RESILIENCE

PRIORITIZE SYSTEMS

SAFE FAILURE, FLEXIBILITY & DIVERSITY

IMPLEMENT

DESIGN

INSTITUTIONS

IMPROVE

LOCAL KNOWLEDGE

SCIENTIFIC KNOWLEDGE

IDENTIFY ACTIONS

AGENTS

RESPONSIBILITY + LEARN

RESOURCES/RESOURCES

INSTITUTIONS

CATALYTIC AGENT
Resilience – concept

• Complex systems – urbanisation and climate change
• Multiple scales, dynamic
• Emphasis on learning, flexibility, adaptive
• Dependence on urban systems, ecological limits
• Shocks and crises
Building urban climate resilience

Process – on-going

- Shared Learning Dialogues
- Multi-stakeholder engagement
- Capacity development
- Strengthening institutional capacity
- Vulnerability assessment – iterative
- Identifying resilience actions
Cities – CRF

- Agents
- Urban systems and ecosystems
- Institutions
Resilience Characteristics

Urban systems and ecosystems

- Flexibility & Diversity
- Redundancy & Modularity
- Safe Failure
Resilience Characteristics

Agents

• Responsiveness
• Resourcefulness
• Capacity to Learn
Resilience Characteristics

Institutions

• Access, Rights & Entitlement
• Informed, participatory decision-making – transparent, representative, accountable
Building urban climate resilience

Shared learning dialogues

• Multi-stakeholders engagement
  – Municipality, gov. dept. and agencies, civil society NGOs, academics, private / business sector

• Capacity development
• Vulnerability assessment
• Resilience strategy planning
• Intervention projects
Chiang Rai – Resilience indicators

Water system

- Agents – number of multi-stakeholders involved in integrated water resource management planning
- Systems – number of water supply sources for the city
- Institutions – number of stakeholders that implements agreed integrated water plans
Hat Yai – Resilience indicators

Flood management system
• Agents – number of multi-stakeholders receive regular training
• Systems – critical systems function 3 days after floods
• Institutions – building code, land use plans are regularly updated and implemented
Lessons learned

• New way of working – multi-stakeholders, SLD
• Intervention projects – important
• Sustainability of approach, resilience thinking
Challenges

• Time – facilitation, coordination cross-sectoral and scales

• Resilience indicators – difficult to integrate into existing key performance indicators of governments

• Complex urban systems – incomplete resilience indicators
Mekong nations, Japan agree on industrialisation plan

24 Aug 2015 at 17:31  1,369 viewed  0 comments

WRITE: KYODO NEWS

The Dawei deep-sea port project in Burma will open up a new transport link for Southeast Asia and southern China. Further down in Satun’s Langg district in a Thai plan to build a new port at Pak-Bora.

Other projects in Dawei:
- Integrated steel mill (13,250 ha)
- Petrochemical complex (77,220 ha)
- Oil and gas project (6,700 ha)
- Coal-fired power plants (2,300 ha)
- Fertiliser plant (2,400 ha)

Source: Japanese Times and Bangkok Post
Government agrees to finance motorway projects

The Lam Luk Ka-Pathum Thani motorway, linking Bangkok's Outer Ring Road Route 9 to the East, is just the beginning of a new system of motorways the government announced Tuesday for the Central region around Bangkok. (Photo by Surapol Promsaka Na Sakolnakorn)

Source: Government House
Challenges

• Complex, multiple scales
• Interlinked, interlocked urban systems, infrastructure
• Local governments – limited remit, capacity
• Facilitation, coordination across broader scales
• Assessing cascading impacts and vulnerabilities more difficult
• Community?
Questions

• Self-assessment tool for local governments?
• Emphasis on well-being, justice?
• Multi-scales, coordination?
• Assessing new patterns of risks and vulnerabilities – taking into account diverse urban communities?