3rd High Level Seminar on Environmentally Sustainable Cities

Siem Reap, Cambodia

Adaptation for Cities:

Urban climate resilience of Thai cities

Thailand Environment Institute
7 March 2012
Urban Climate Resilience Concepts

**Urban** = ‘City’ = Nakorn Municipality

With urban development, population growth
Urban = Nakorn + smaller municipalities + sub-district administrations

**Climate resilience**
- Mitigation and adaptation
- Long-term capacity to deal with change and continue to develop
- Shared learning of multi-stakeholders
Building resilience to climate change in urban context

- Development of long-term strategies addressing uncertainties
- Shared learning / lessons learned

But most cities face urgent / immediate issues (urban challenges + natural disasters)
Thai cities and flood disasters

2011

- Bangkok
- Northern and Central provinces
- Direct and indirect impacts
- High damage costs
Thai cities and flood disasters

2010
- Hat Yai (also 2000)
- Southern provinces
- Northern provinces
Key issues

- Access to information
- Awareness
- Participation
- Coordination
- Early warning system
- Preparedness
- Technical / scientific data
- Local knowledge
Challenges

- Rapid urbanisation
- Urban land use change
- Economic growth and development
- Natural resource demands
- Climate risks
- Vulnerable / marginalised community groups
Building resilience practices

Urban system

Thai cities

- Unplanned urbanisation, urban development, land use change contribute to climate risks
- Governance issues

Vulnerability  Climate Change
Building resilience practices

- Shared learning dialogues
- Multi-stakeholder process
- Participation process
- Vulnerable / Marginalised community groups
- Vulnerability Assessment
- Identification of priorities and needs
- Linking knowledge and practice
Building resilience practices

- Multi-stakeholder process
- Hat Yai website for public flood monitoring
- Coordination centre, independent of municipality
- Participation of communities to plan and design flood emergency responses
- Intervention linking urban land use, flood management and climate change
Urban climate resilience framework (URF)