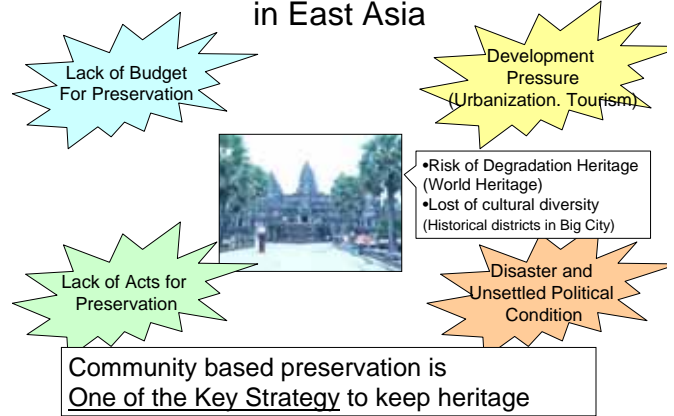


# How to Preserve / Conserve Historical Districts by Residents Themselves? –Case Studies of Thailand–

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## 1. Situation Around Heritage in East Asia



## 2. My Focused Area in Thailand

**Ayutthaya Heritage Site**

- Old capital of Ayutthaya Royal Dynasty Established in 13th century .
- There are many ancient Buddhism Remains and Temples

**Sam Phraeng Historical District**

- Royal Proper in Bangkok inner city
- There are many traditional Thai-urban style houses
- Maintain cost press residents life.
- Residents can not have interest and motivation to preserve historical houses

Source: Google Map

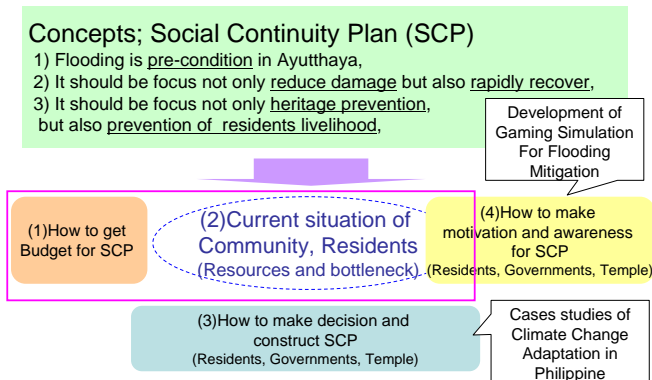
Those studies are cooperated by Assoc.Prof. Chaweewan, Faculty of Architecture and Planning, Thammasat University

## 3. Current Problems in Ayutthaya Heritage

**Belt Line** was built to protect the inner area of Ayutthaya Island from flooding.  
It makes more flooding on Doughnut Zone along Chao Phraya River.

There are many heritage site, temples and village in the Doughnut Zone.  
Flooding mitigation is needed to protect heritage and residential life.

## 3. Framework of Community based Disaster Prevention for Ayutthaya Heritage



## Study(1). Designing Tourist's Donation Scheme for Preservation

**Duration:** 8.October, 2008 (Pre survey)  
1-7.February, 2009 (Main survey)

**Place:** Ayutthaya Historical Park

**Methodology:** CVM (Free answer / double-bounded dichotomous choice)

**Sample Size:** 58 Foreign, 71 Domestic Tourists

## Study(1). Designing Tourist's Donation Scheme for Preservation

WTP of Tourists (median of Free answer)

Foreigners: 131TBH(356.3JPY)  
Domestics: 112TBH(304.6JPY)

Estimated Budget from Donation

Source of Tourists Number:  
Ayutthaya Province,2005

Foreigners: 356.3JPY\*170,374(person)=60,653,144JPY  
Domestics:304.6JPY\*455,300(person)=138,702,592JPY

Foreigners	Differences	Domestics
Ancient Remains	Donation Target	Temples
Disclosing information, permission	Benefit	No need
Entrance fee to city, Tax	Donation system	Donation box in each site, Tax

## Study(2).Resources Analysis of Residents and Community

•Duration: 7,14.February 2009

•Methodology: Depth interview

•Sample Size: Residents of Doughnut Zone (8 persons)



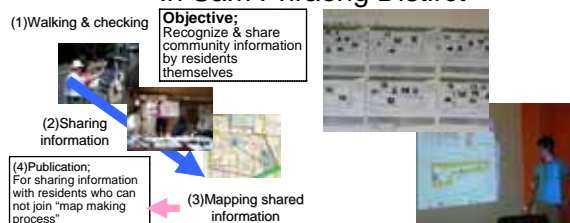
## Study(2).Resources Analysis of Residents and Community

Resources for CBFP	Bottlenecks of CBFP
1.Residents believe <b>Buddhism</b> and has <b>tight relationship</b> with temple, 2. <b>Residents has identities</b> to temples, heritages by their village and <b>they are willing to prevent</b> them when big flooding will be occurred, 3. <b>Community leader</b> who assigned by local government <b>can call out residents</b> for heritage prevention.	1.Residents <b>recognize that flooding is not disaster</b> (Flooding is part of daily life), 2.Residents <b>do not have free time</b> to join heritage prevention or disaster prevention in their daily life, 3. <b>Some residents do not have tight personal network</b> in residential area exclude their brotherhood

Following 3 breakthroughs are needed;

- 1) **Residents Employment system** as heritage prevention staffs, or Cooperation of companies that residents worked,
- 2) **Promotion of residents Awareness** for flooding mitigation,
- 3) **Construction of personal network** among residents in there

## 4. Map-Making Approach for Basic Step of Community Based Preservation In Sam Phraeng Distriect



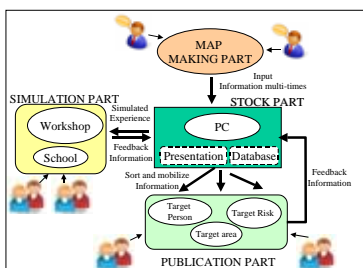
•Duration: 23,29.August,15.September 2008  
10-13.February 2009 (Undergoing)

•Participants: Lecturer/Students of Thammasat University,Community Residents of Sam phraeng district

## 4. Map-Making Approach for Basic Step of Community Based Preservation In Sam Phraeng Distriect

Purposes of this collaboration Experiment were following;

- 1)To **mobile practical MMA skill** to **Thammasart University and Residents**,
- 2)To **enhance awareness** for importance of integrated vision of "disaster mitigation" and "Historical symbols/Landscape conservation"
- 3)To develop **MMA** and "local information finding/stock and sharing system",



local information finding/  
stock and sharing system

## 5. Achievements

	Title	Publisher
1.	<b>International Conference (Peer Reviewed)</b> A Study on an Efficiency of Map Making Method for Encouraging Residents' Recognition and Coping Behavior with Local Risks".	Proceedings of Eastern Regional Organization for Planning & Human-Settlements the Conference 2008 in Himeji & Awaji
2.	<b>International Workshop</b> A study on Map-Making Approach for Succession of Historical Districts in Asian Cities	International Training Program Workshop and 2nd International Workshop of "Urban Gaming and Simulation and Urban Design for Cultural Heritages"
3.	<b>Peer Reviewed Paper</b> A study of development and evaluation of disaster mitigation gaming to promote awareness for community based disaster mitigation	"Disaster Mitigation of Cultural Heritage and Historic Cities" vol2, Global COE for Education, Research and Development of Strategy on Disaster Mitigation of Cultural Heritage and Historic Cities
4.	<b>Report</b> Promoting Capacity building to Climate Change Adaptation through training for Governmental staffs	UN/ISDR Internship report
5.	<b>Conference Presentation</b> A Study on an Application of Gaming for Learning of Adaptation and Mitigation on Climate Change	Autumn Conference of Japan Association of Simulation and Gaming, 2008