

**JSPS International Training Program (ITP)
"Global On-Site Training Program for Young Researchers
on the
Protection of Cultural Heritage and Art Work"
Reports from Participants in FY2010**

February 11, 2011 (Friday) 13:00 - 17:00
Conference Hall, Rits-DMUCH

**A study on the conservation
and disaster management of
Buddhism cultural heritage in
the World Heritage city of
Luang Prabang, Laos.**

Kanako SAKURAI

ITP for Laos

Schedule

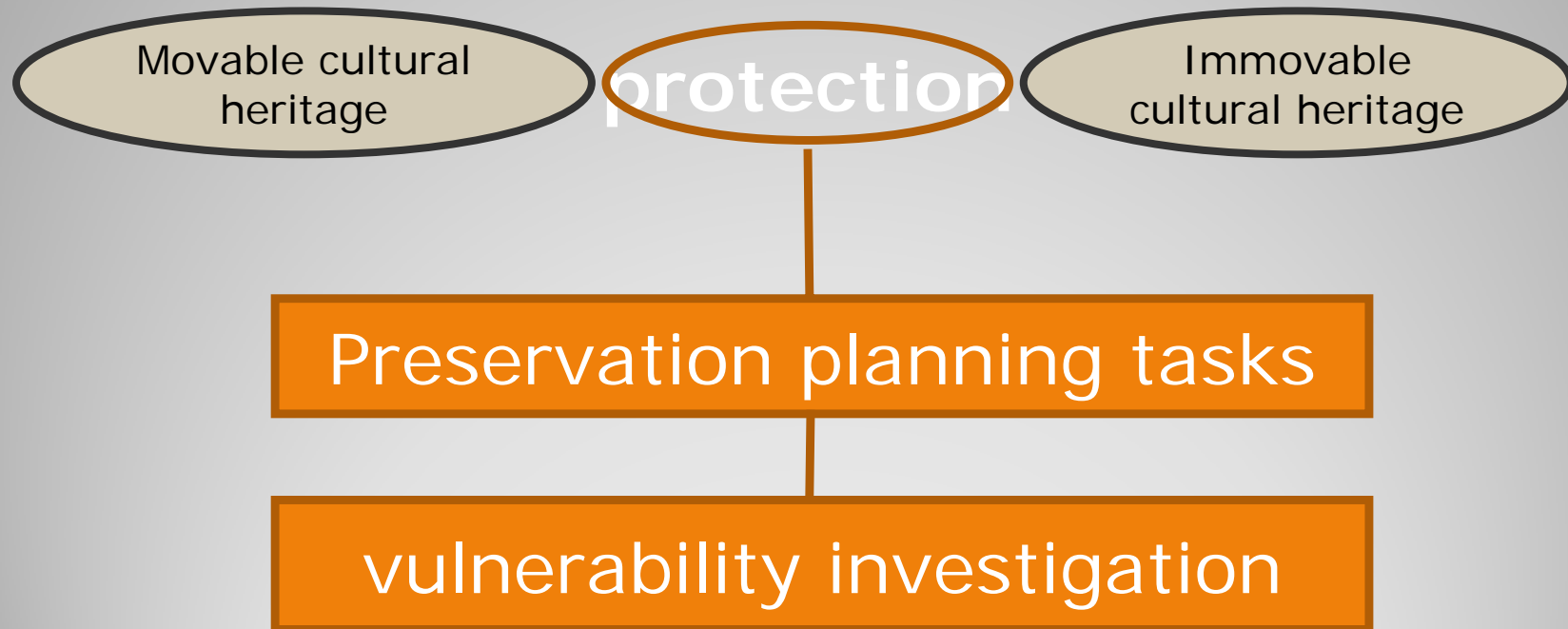
2010 February 1st to April 30th

Research

Institution

Luang Prabang National Museum

Purpose of the research





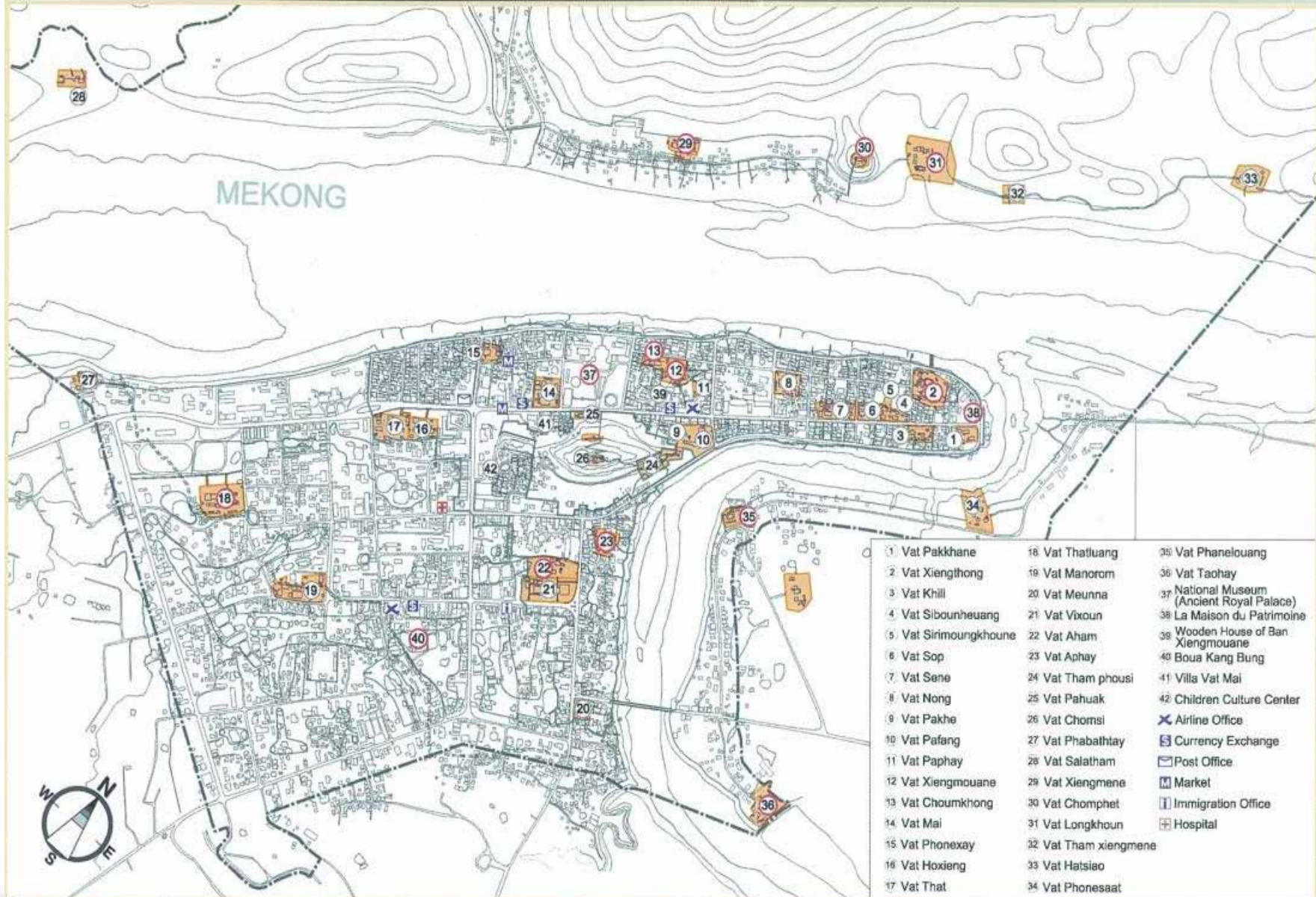
The streets of town



Vat Xiengthong



TEMPLES AND PLACES TO VISIT



Search procedure

Investigation of the cultural properties

Object

temple: 30

building: 49

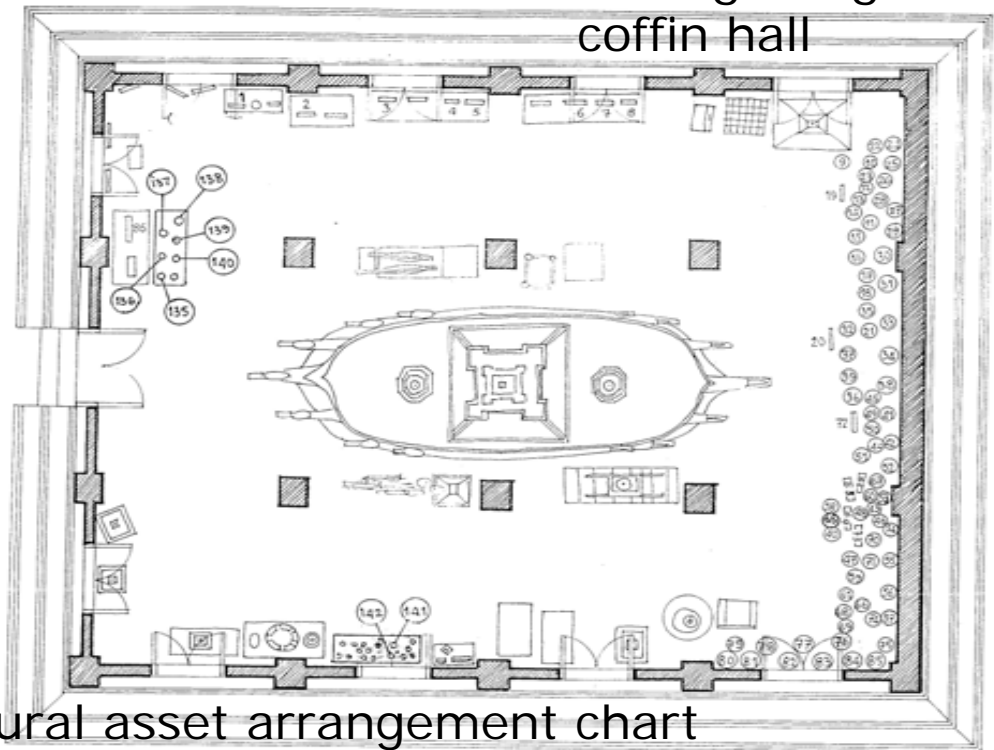
Buddhism sculptures: 1200

Search procedure

- Verification of the displacements & disappearance of the Buddhism sculptures
- Verification of the entrance door locks



Vat Xiengthong coffin hall



Cultural asset arrangement chart

PLAN OF No 1 Vat Xiengthong

Search procedure

Hearing investigation

Object

witness of investigation

Search procedure

- Hearing
- Questionnaire

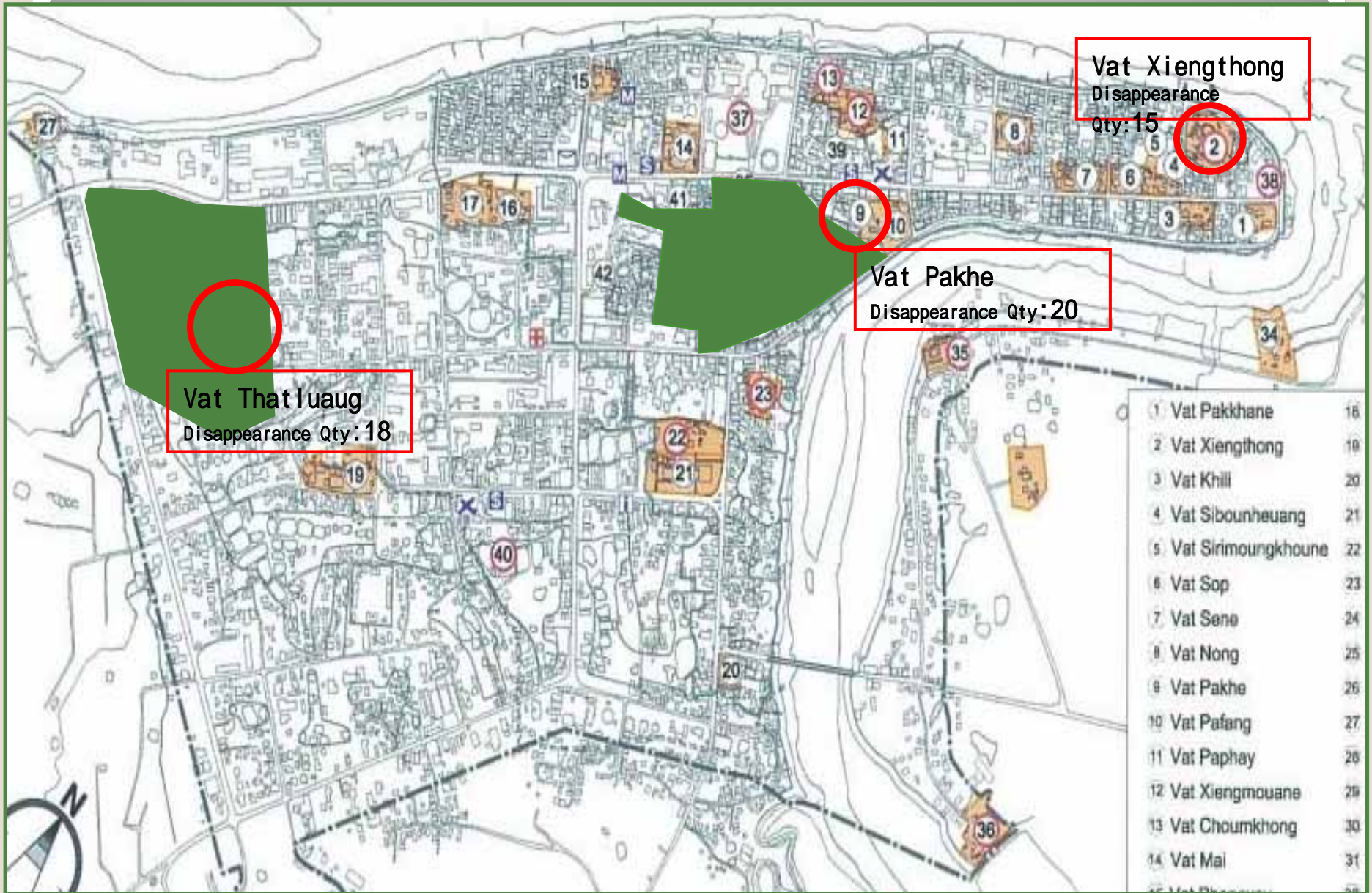
ແບບສອບຖາມ

1. ແມ່ນໃຜເປັນຜູ້ຮັກຫວັດ
 ຊາວບ້ານ ຄູ່ບາ ໄທບ້ານແວະຄູ່ບາ
2. ການປ້ອງກັນມີຄວາມຈຳເປັນບໍ່? ຈຳເປັນ ບໍ່ຈຳເປັນ
3. ໄດ້ເຮັດມາດຕະການປ້ອງກັນວັດຖຸ, ບູຮານບໍ່? ເຮັດ ບໍ່ເຮັດ
4. ຖ້າເຮັດຄືດວ່າຍັງບໍ່ພໍພົງພໍບໍ່? ຄືດວ່າ ບໍ່ຄືດວ່າ
5. ກໍ່ຜິດກັບຂໍ້ວັກ
 ຍອມແພ້ແວ້ວ ຢາກເຮັດສັນໃດສັນໜຶ່ງ ບໍ່ຄືດຫຍັງ
6. ກໍ່ວະນີເຮັດມາດຕະການປ້ອງກັນແວ້ວ, ດ້ານງົບປະມານເປັນແນວໃດ?
 ວ່າບາກ ບໍ່ວ່າບາກ
7. ກໍ່ວະນີເຮັດມາດຕະການປ້ອງກັນແວ້ວ, ກໍ່ຜິດກັບວິທີການເປັນແນວໃດ?
 ບໍ່ເຂົ້າໃຈວິທີ ເຂົ້າໃຈວິທີການ
8. ຄືດແນວໃດກັບຮ້ານຂາຍຂາກໍ່ສບປີ້ວັດຖຸ, ບູຮານ
 ດີ ບໍ່ດີ ບໍ່ຮູ້
9. ຄືດບໍ່ວ່າການຂາຍກໍ່ສບປີ້ວັດຖຸ, ບູຮານເປັນຜົນກະທົບຕໍ່ການວັກວັດຖຸ, ບູຮານ.
 ຄືດວ່າ ບໍ່ຄືດວ່າ

Questionnaire form

Result of the investigation The statues numbers in each building

	No.	Temple	Admission	Building	Qty	disappear	%	locomotion	%	unconfirmed
1	1	Vat Pakkhane	×	Main hall	5	2	40.0	2	40.0	
2	2	Vat Xiengthong		Coffin hall	103	15	14.6			
				Main hall	16	1	6.3	4	25.0	
				Meditation hall	2			1	50.0	
				Sutra hall	21	2	9.5			
				Sutra hall	1					
3	3	Vat Khili	×	living	16	1	6.6			
4	4	Vat Sibounheuang	×	living	14					
				Main hall	3	1	33.3			
5	5	Vat Sirimoungkhoun	×	Main hall	15	4	26.7			
6	6	Vat Sop	×	Main hall	11					
7	7	Vat Sene	×	Main hall	40	3	7.5			
				Dining hall	11	1	9.1			
				living	75	1	1.3			44
8	8	Vat Nong	×	Main hall	24	1	4.2			
9	9	Vat Siphouttabath	×	Main hall	72	20	27.8	7	9.7	
10	11	Vat Paphay	×	Main hall	14	3	21.4			
				Main hall	5					
				living	5					
11	12	Vat Xiengmouane	×	Main hall	23	3	13.0			
				living	19					



IC-chip fixing experiments



IC-chip ID

IC-chip ID	Vol	No	Inven	Image	H	W	Restoration Point
E000002	4000000	V:roun00	C:\WinCC\Win...				
E000002	4000000	V:roun02	2003 CC:Win...	104	32,0	Passbong, R.L. Yincra, R.	I
E000002	4000000	V:roun05	2003 CC:Win...				
E000002	4000000	V:roun08	2003,CC:Win07,5,127,0				

読み取りモード
R 1つ読み取りまで 連続

What is the damage of cultural property?

Survey : Village of mayor,
senior adviser, monk etc...

- Fire 8
- Nothing 5
- Earthquake 1
- Heavy rain 0
- Mekong River flooding 0
- other 1



Houses destroyed
in the flood
Taken from the temple'09,3

In conclusion

- In lonely temples & buildings that are not well administered, the number of disappearances is high.
- In the temples where there are verifications of the cultural properties periodically, the number of disappearance is low.
- The night watch & day time supervising are effective.

Tasks or issues of future preservation planning

- The control of disappearance of cultural properties
- The concept of disaster does not exist sometimes in this peaceful Buddhist city.
- The fire is an important factor, but not well recorded to be well analyzed.

Disaster management initiatives

- Local community education
- The introduction of new technology like the IC-tip in the cultural properties
- The fire prevention measures