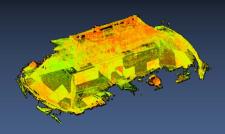
A STUDY ON

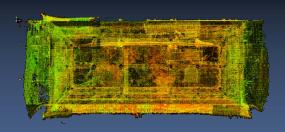
THE ROOF STRUCTURE &

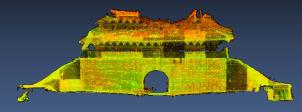
ITS CONSERVATION OF

THE WOODEN CULTURAL PROPERTY

BUILDINGS IN KOREA







Minsuk Kim

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Lessons from 2008 Sungnyemun Fire

- Lack of the Firefighters' understanding on the structure of the historic wooden buildings
- Lack of the communication between Firefighters and Cultural Heritage Experts
- To keep the value of cultural properties on-going Fire fighting and/or recovery works

Purpose of this Research

- To make the database of past disasters' history in Korean Cultural Property buildings & To investigate the assessment of the value of Disaster-affected Cultural Properties
- To examine how to keep the value of Cultural Properties
- To clarify vulnerability of roof structure (frequently repaired and/or replaced), such as materials, originality, etc.

Historic Buildings damaged by Fire

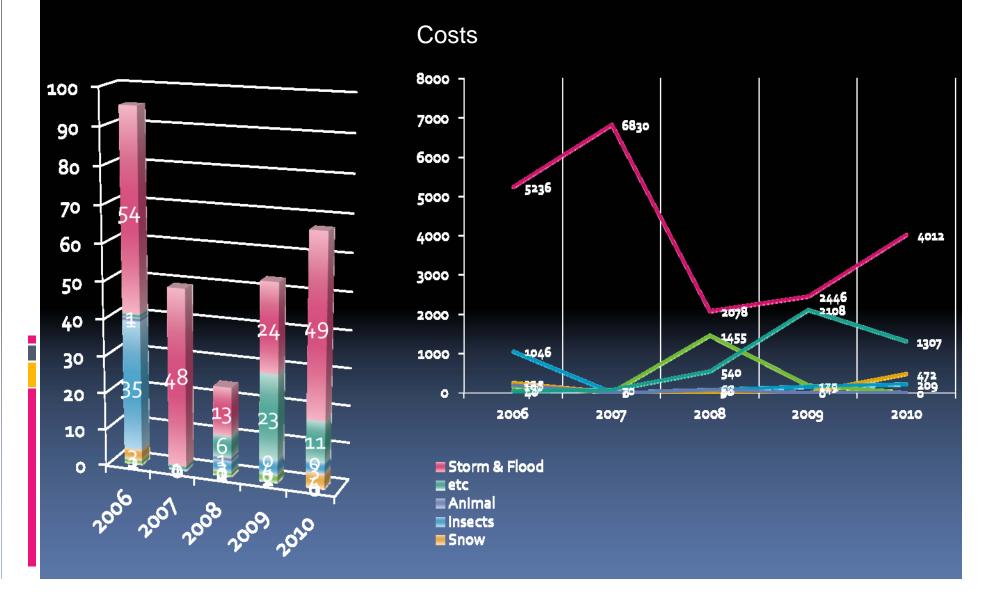
★ Annulment of Korean Cultural Properties Designation

1980





Urgent Repair Works for Cultural Properties



What's the value of cultural property buildings?

List of Annulment of Cultural Property Buildings designation damaged by disasters

ble 2. All	properties	annulled	Korean	Cultural	Properties designation
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0.	Classifica-tion	Name of Cultural Properties	Designated Date	Annulled Date	Annulment Reason	Rec. *1	
1	Treasure*2 No. 115	Geungnakjeon hall of the Cheongpyeongsa temple	1934. 8.27		Destroyed during the 1950 - 1953 Korean War	o (1975)	
2	Treasure*2 No. 240	Daeungjeon hall at the Borimsa temple	1936. 5.23	1957. 8. 7	"	0	Bef
3	Treasure*2 No. 273	Wontongjeon hall of the Gwaneumsa temple*3	1938. 5. 3	1957. 8. 7	"	**	ore th
4	Treasure*2 No. 276	Chokseongnu pavilion of Jinju Castle	1938. 5. 3	1957. 8. 7	"	o (1960)	e exist
5	Treasure*2 No. 302	Andong Munmyo (Munmyo is Korean primary Confucian shrine)	1939.10.18	1958. 9.20	"		Before the existing Act
6	Treasure*2 No. 404	Baekseoldang hall and Cheongundang hall of the Songgwangsa temple	1943.12.30	1957. 8. 7	"	***	
7	Treasure	Daeungjeon hall of the	1963. 1.21	1984. 5.30	Careless handling	0	
8	No. 163 Treasure No. 458	Ssangbongsa temple Jeokmukdang hall of the Ssanggyesa temple *4	1967. 6.23	1968.12.16	of fire Overheating of Korean floor heater	(1986) o	
9	Treasure No. 476	Daejeokgwangjeon hall of the Geumsansa temple	1968.12.19	1987. 1. 1	Arson occurred in 1986	o (1989)	_
0	Important Folklore Material No. 25	Kim Dongju's Dwelling in Uiseong country	1970.12.29	1988.12.23	Unknown (Destruction by a fire)		Under the e
1	Gangwon province Tangible Cultural Property No. 24	Daeungjeon hall of the Guryongsa temple in Wonju city	1971.12.16	2004. 1.17	A fire started by a short circuit	(2004)	Under the existing Cultural Properties Protection Act since 1962
2	Gangwon province Tangible Cultural Property No. 35	Naksansa temple in Yangyang country	1971.12.16	2009. 2.20	A forest fire	0	roperties Protecti
3	South Jeolla province Tangible Cultural Property No. 42	Daeungbojeon hall of the Dogapsa temple in Yeongam country	1974. 9.24	1977.10.20	A fire caused by carelessness of a believer	° (2009)	on Act since 1962
4	South Chungcheong province Cultural Property Material No. 42	Lee Hyungu's Dwelling in the Borycong city	1987.12.30	2000. 9.20	Unknown (Destruction by a fire)		2

Key points:

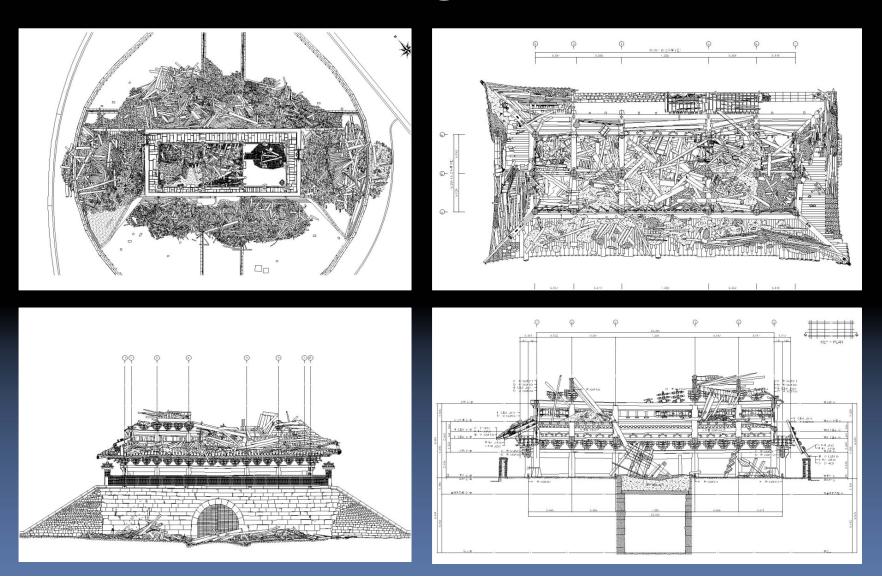
What kind of disasters...? How much damage...?

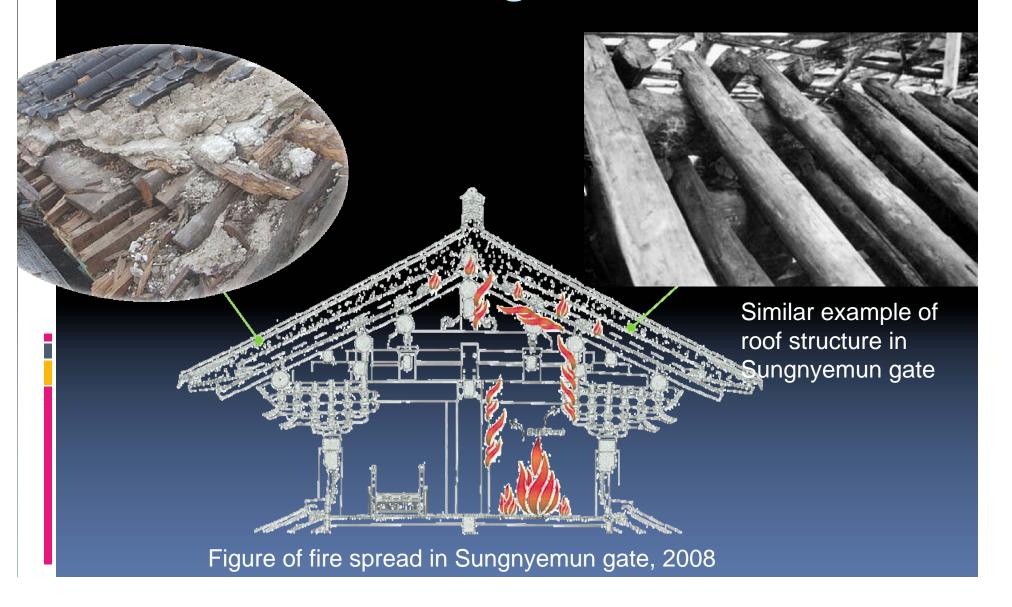
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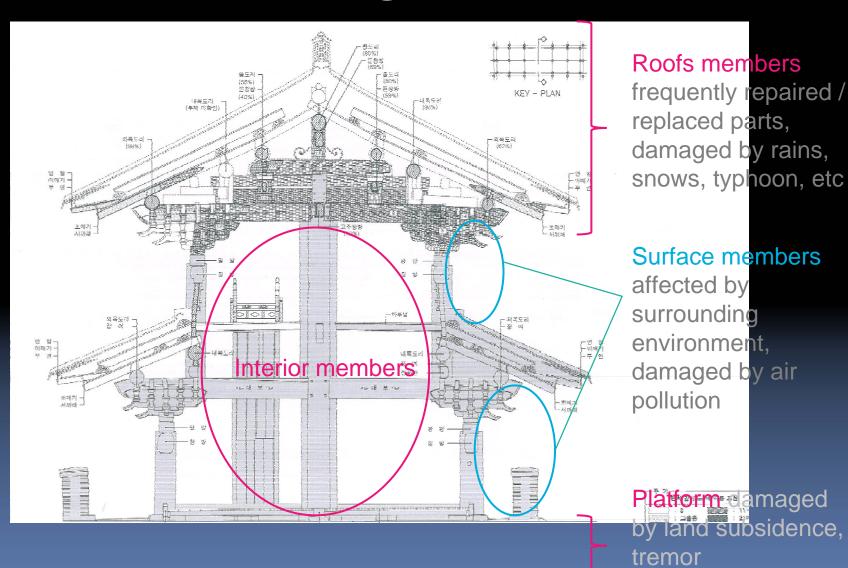
Can we recovery or rebuild it? How do we recovery?



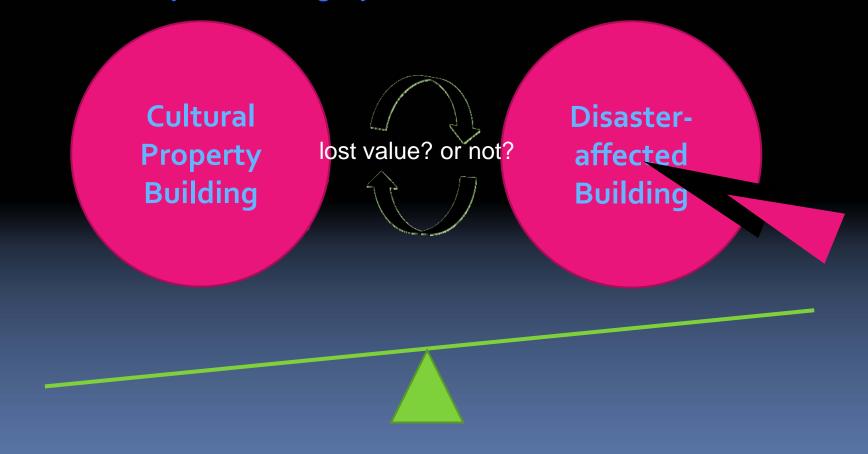
Does the cultural property have/ maintain its own value or not?



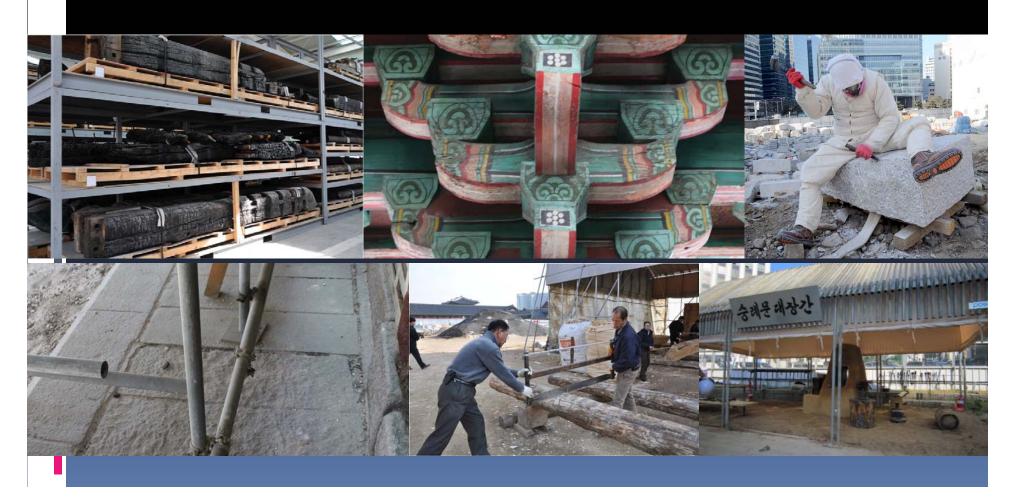




Known as the "World Heritage Convention," this agreement considers "authenticity" and "integrity" when appraising World Heritage sites.



How many original members and materials are remained? And how can we remain it?



Thank you very much for your

astinte entire interior

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- Prof. Hidehiko KANEGAE (Ritsumeikan University, Japan)
- Prof. Kanefusa MASUDA (Ritsumeikan University, Japan)
- Prof. Takeyuki OKUBO (Ritsumeikan University, Japan)
- Dr. Takumi NAKAMURA (Ritsumeikan University, Japan)
- All the staffs of Cultural Heritage Administration of Korea, All members of ICOMOS KOREA
- All of ITP Committee Members and Administrative Officers of Ritsumeikan University

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