

The Existing Condition of Citizens Participation for Disaster Prevention of Cultural Heritages and Community Based Action Researches by Promoting DIG Method in Taiwan



Kumie NAKANO(HATTORI)
 Doctoral Course Student, Department of Engineering
 Research Assistant, Ritsumeikan Global Innovation Research Organization

Aims for the Research

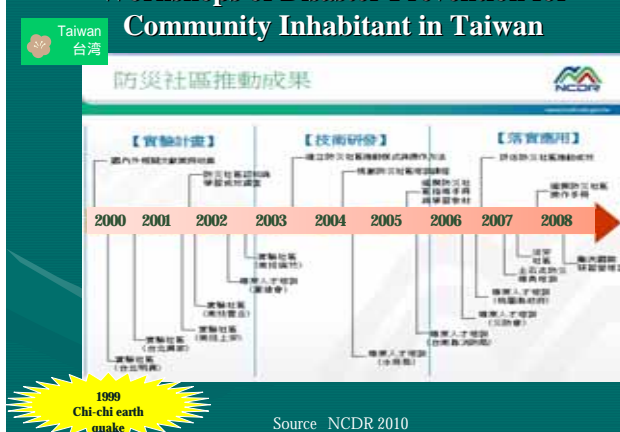
- Aims for the Research
- To Reveal following 4 points;
 - To show different ways to promote citizen participative workshops between Taiwan and Japan.
 - To find counterpart to promote citizen participative workshops for disaster mitigation for cultural heritage.
 - To compare the advantage of each workshop between Taiwan and Japan.
 - To practice the workshops created by compromising different workshop method by Taiwanese and Japanese way, and evaluate them.

Natural Disasters in Taiwan



Source SC Chiou, 2008

Workshops of Disaster Prevention for Community Inhabitant in Taiwan



Source NCDR 2010

Workshop Method for Disaster Prevention for Community



Comparison for the Workshop Method Between Taiwan and Japan

Taiwan 台湾	Taiwan 台湾	Japan 日本
Workshop Method for Disaster Prevention for Community (社区防灾操作)	Community Empowering Game (社区动力游戏)	Disaster Imagination Game (灾害图上训练)
Object: People who live in High Risk Area especial for Landslide, Typhoon. Term: Around one day workshop. Aim: To recognize risk in the community, and to make hazard map for citizen (especially for landslide)	Object: People who want to improve community environment Term: Long time (Made of One Series of Workshop.) Aim: To re-find community pride	Object: the Owner of the Cultural Heritages and surrounding community inhabitants. Term: Around two hour workshop Aim: To recognize risk in the community, and to make hazard map for citizen (especially for fire after the earthquake)

Taiwan 台湾

Losing Cultural Heritage by Disaster (Fire) in Taiwan

Year	Case(Year of built)	Reason
2005	Nishi-Honganji Shuxin HALL(1922)	Arson
2005	Tainan Prison(1906)	Arson
2006	Tainan Agricultural Experiment Station (1923)	Arson
2006	Changhua Yuanchin guan(1763)	Electric fire
2006	Taichung Daxueshan lumbering Station(1956)	Electric fire
2006	Taichung Prison martial arts Hall (1937)	Arson
2007	Taipei Tsaoshanxing Hall(1920)	Arson
2007	Jinmen Lee Town House(1900)	Carelessness usage for fire
2008	Taipei Luzhou town house (1893)	Arson
2008	Taipei Dihuaje Town House(1900)	Electric fire
2008	Taipei Shihlin official residence(1950)	Electric fire

Source :HS, Chien 2009

The Workshop by Compromising Different Workshop Method.

25th of December, 2009 with Yun Tech Univ.



國家古蹟總局林宅保存利用文化資產教育與推廣部工研設計處系列活動
文化資產守護與社區防災課程簡章
 一、贊助單位：台中縣文化局、台中縣消防局
 二、主辦單位：財團法人台中縣阿軍露文化基金會、霧峰林家古蹟管理委員會
 三、協辦單位：雲林科技大學設計學院、台中縣私立明台高級中學
 四、活動時間地點：98年12月25日上午8:30至12:00於霧峰林家大花廳舉行
 (台中縣霧峰鄉民生路14號)
 六、課程內容：

時間	主題	主持人
08:30-09:30	講義題目：日本京都文化遺產市原教授經驗分享	中野(原部)佐博
09:30-10:00	簡章說明、DIG自主防災系統 活動說明	阿軍露文化基金會
10:00-11:00	社區實地踏勘	邱上義教授、黃世
11:00-12:00	問題討論與對策提問	傅秋傑、中野(原部)佐博
12:00	午餐 交流與後續發展	阿軍露文化基金會

The Workshop by Compromising Different Workshop Methods.


25th of December, 2009 with Yun Tech Univ, at LIN families house-national treasure-



Result of the Workshop

25th of December, 2009 with Yun Tech Univ, at LIN families house-national treasure-

- Everything is very Important for us, so that we can not consider that what to carry in case of the disaster(Owner of the Cultural Heritage).
- We may not rescue all of the heritage here in case of disaster, so that before facing the disaster, we need to study what thing is easy to rescue, and what thing is need to rescue first, so that we need to study first.(Local Tourist Guide Association)



Project for the Near Future

Academic Survey:

- Develop Another DIG Method that Suitable for Use for the Disaster Mitigation of Cultural Heritage.
- To do the experience workshop
- To evaluate , and revise the contents of workshop.

Contribution for the Society:

- Making manual for DIG for protection of Cultural Heritage from Disaster.
- Proceed workshop with member of Cultural Heritages Network.
- Act as a go-between for international collaboration for citizens.

Thank you very much for your attention.

- Special Thanks to :**
 - Prof. Shang-chia, Chiou, and colleague from his laboratory(Yun Tech University, Taiwan)
 - Prof. Shih-huei, Huang(Yun Tech University, Taiwan)
 - Prof. Kenzo Toki(Ritsumeikan University, Japan)
 - Prof. Kanefusa Masuda(Ritsumeikan University, Japan)
 - Prof. Takeyuki Okubo(Ritsumeikan University, Japan)
 - Prof. Jun Oyane(Sensyu University, Japan)
 - Many Friends in Local Community both Taiwan and Japan.
 - All of ITP Committee Members and administrative officers of Ritsumeikan University

This Research is founded by "International Training Program" adopted by the Japan Society for the Promotion of Science (JSPS).