Design and Management of Emergency Shelters & Interim Housing

George C. Yao, Prof.

Po-Tsong Chen, Post-Doc.

Department of Architecture

National Cheng Kung University (NCKU)

Tainan, Taiwan

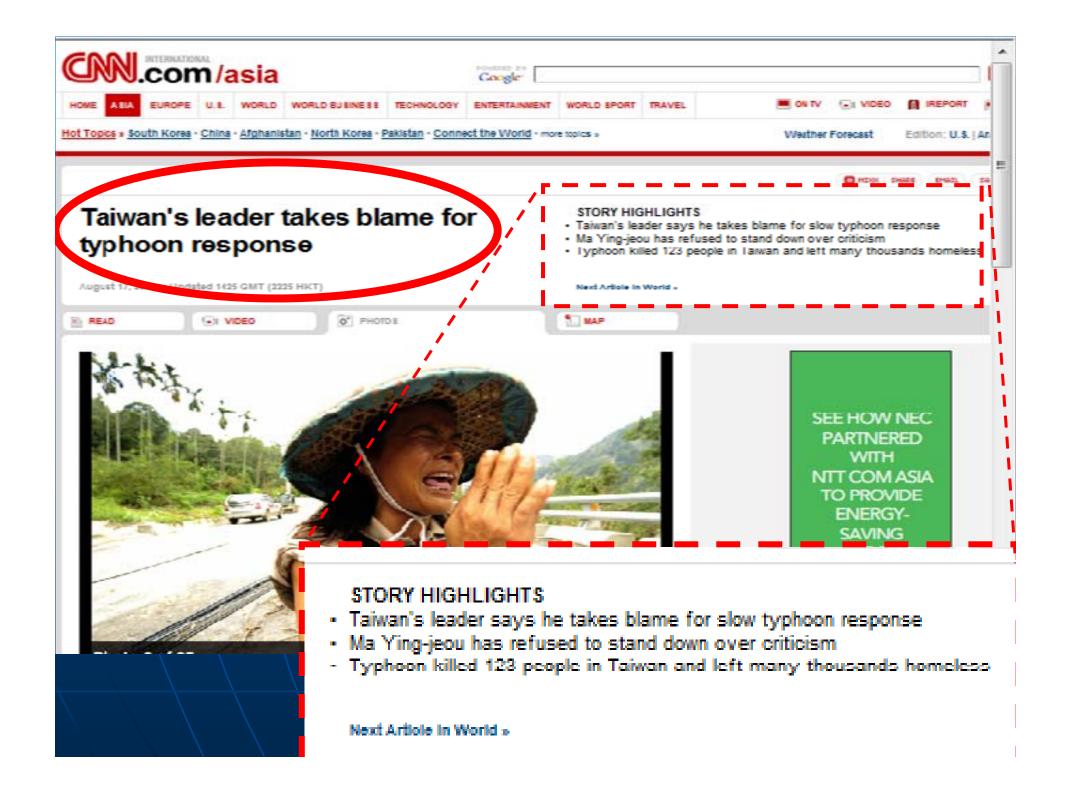


Introduction

Problems arose in Typhoon Morakot:

- a. Unsuccessful evacuation
- b. Unnecessary suffering in shelters
- c. Inadequate interim housing
- d. Impaired recovery process

Public criticism of government



1.Emergency Shelter



Shelter A

Living condition is bad!



Shelter A



1.Emergency Shelter



First Aid Station



Public Bathroom



Public Toilet



Indoor Clothesline

1.Emergency Shelter



Elderly Care Problems





Child Care Problems



Pet Shelter Problems

Identified Problems in the Emergency Shelters

HARDWARE

1. Adequate pre-disaster planning and design of shelter space is important for a more friendly shelter environment.

SOFTWARE

- 2. Re-organization of disaster management for a more efficient administration is important.
- 3. A method for caring of pets.

2. Interim Housing









New Temporary Housing Units

Reconstruction of Old Military Barracks

2. Interim Housing



Outdoor Barbecue

Living Conditions of Residents after Moving into the Barracks



Cleaning the Courtyard



Vegetable Garden

2. Interim Housing



Courtyard

Living Conditions of Residents After Moving into New Interim Housing Facilities



Gathering Outdoors



Laundry Facilities

Identified Problems in Interim Housing

- Development and management plan for interim housing
- 2. Appropriate community rules are needed
- 3. The provision of adequate social support

hank you for your attention