Lessons learned from the 921 Earthquake

School and Community Recovery
School Recovery
【the origin】

- School-buildings were heavy hit by the 921 Earthquake.
- 1,546 schools were severely demolished.
- 293 schools needed to be rebuilt.
- Poor design and low quality of school-buildings resulted in the catastrophe.
【recovery goals】

- The safety of structure was the first priority.
- Created a pleasant space for learning.
- Have a connection with local community.
【new approaches】

- Each school was unique and needed to be designed by a participatory process.
- The funding for school rebuilding could be from either public or private sectors.

Among 293 school recovery projects, 163 projects were done by private sectors.
【The recovery of Junkeng Elementary School】

- Reconstruction funding came from Ministry of Education and an electricity company.
- Designed by using the architectural elements of traditional housing.
Community Recovery
Shang-An Village Recovery

【village characteristics】

• a typical rural village
• housing types: 1 to 3 stories single-family
• population: about 1,300 residences (400 households)
• agricultural products: tea, plum and grape
【disasters】

1. The 921 Earthquake, 1999
   • about 150 housings damage
   • no one was killed

2. Typhoon Toraji, 2001
   • landslide, flooding & debris flows
   • about 55 housings damage
   • 17 residents were killed
【recovery goals】

1. reconstruction
   • housings, public facilities, infrastructure, etc.
Shang-An Village Recovery

【recovery goals】

2. livelihood
  • agriculture
  • tourism
3. community relationship
   • community-based organizations
   • different generations
【recovery strategies】
1. Applied various projects from different government sectors
2. Enhanced knowledge through learning
3. Connected agriculture, tourism and culture to plan diverse and attractive activities
4. Strengthen community disaster management capability
就是說我們怎麼樣來認識自己的環境
【livelihood recovery】

- Lee’s Mushroom Farm
Shang-An Village Recovery

【housing recovery】
• 16 single-family housings relocation
Shang-An Village Recovery

【emergency response & tourism】

- suspension bridge