

Establishment of Disaster Resistant Community Against Debris Flows in Taiwan

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INTRODUCTION

Due to the geographical conditions and demands of disaster prevention, the Soil and Water Conservation Bureau (hereinafter referred to as the SWCB) has promoted self-dependent resistant community since 2005. Experts and scholars conducted discussion after residents had come up with opinions and needs. And the SWCB stipulated strategy to enhance disaster prevention preparedness and the ability of emergency response.

GENERAL INFORMATION

The main task of promoting self-dependent resistant community is to establish self-dependent disaster prevention institutions. With open discussion, teaching the public to develop the strategy against debris flow disasters. The results can be seen in the emergency response works of the first line in recent years. To implement Level 3 disaster prevention mechanism, the assistance mechanism of current drills, publicity, and evacuation, and the function of local governments, the SWCB has promoted "Self-dependent resistant Community 2.0" stage. The features are as follows:

- 1. Establish the framework and division:** the SWCB is the competent authority of debris flow disaster prevention and in charge of policy planning, resource subsidies, and effect reviews; each branch are responsible for extended works from the SWCB, such as technical support and consultation and assistance of administrative works; local governments are in charge of the application, contract, subsidy of projects, and supervise and assist Township (City) Offices to promote self-dependent resistant community; Township (City) Offices are in charge of supporting communities and enhance the horizontal links between relevant departments; cooperative institutions will follow up the process and operation.
- 2. Develop grading management and promote strategies:** Establish risk degree for self-dependent resistant community, and risk degrees are divided into high, medium, and low level

according to the ability against disasters and protected objects. These strategies will be carried out by stages annually, and reviews and rewards will be proceeded accordingly.

3. **Encourage public participation:** Based on the spirit of public participation, bottom-up and local conditions, local residents are able to participate in the discussion and drills related to disaster prevention, and set up self-dependent resistant organization in order to raise public awareness of disaster prevention.

CONCLUSIONS

1. Cooperate with collaborative teams to assist residents in founding self-dependent resistant organization for local governments, provide a solution to manpower shortage, and enhance the interaction between local governments and self-dependent resistant community to achieve sustainable management.

2. To encourage local people participating in the discussion and operation related to disaster prevention, and improve people's attention and concern for disaster prevention works effectively.

3. In addition, establish alliance with adjacent communities, NGO, NPO, and nongovernmental organization to conduct joint drills. Help each other to build a collaborative network of disaster prevention.

Keywords: debris flow, disaster prevention, self-dependent resistant community