

## 4. Promoting Cooperation with Member Countries, International Organizations and NGOs

### 4-1. Cooperative Projects with Member Countries

Based on the Asian countries' needs identified through its network with member countries, ADRC has been providing technical and financial support in the form of cooperative projects to disaster reduction programs implemented by governments of member countries and international organizations.

Through these collaborative projects, ADRC has contributed to the improvement of disaster reduction capabilities of member countries, and disseminated information on the achievements and lessons of the projects to member countries as well as the rest of the world.

Table below lists the cooperative projects implemented so far.

Table4-1 List of Past Cooperative Projects

Fiscal Year	Country	Project Name
1999	Papua New Guinea	Public Awareness of Tsunami Disaster Reduction
2000	Cambodia	Disaster Management Training for Local Government Official
2000	Nepal	Public Awareness of Disaster Reduction for Community Leaders
2000	Indonesia	Community-based Flood Disaster Mitigation Project
2001	India	Multinational Investigation of Gujarat Earthquake
2001	Sri Lanka	Disaster Management Training for Local Government Official
2001	Singapore	Urban Search and Rescue Training
2001	Philippines	Seminar on School Educational Program for Disaster Reduction
2002	Singapore	Urban Search and Rescue Training
2002	Bangladesh	Seminar on Improvement of Early Warning System and Responses
2002	Cambodia	Disaster Management Information System Training
2002	Lao PDR	Training Project for Local Government's Officials
2003	Cambodia	Disaster Management Information System Training
2003	Philippines	Training on SUMA and Logistic Management of Humanitarian Supplies
2003	Vietnam	Seminar on Flood Disaster Management
2003	Singapore	Urban Search and Rescue Training
2003	Mongolia	Vulnerability and Risk Assessment of the Possible Earthquake and Extensive Measures to Prevent Earthquake Disaster in Urban City (March 2004)
2004	Tajikistan	National Workshop on Disaster Risk Management
2004	Vietnam	Training Course on Flood Hazard Mapping
2004	Singapore	Urban Search and Rescue Training

Fiscal Year	Country	Project Name
2005	Kyrgyz	Development and dissemination of information and education/training materials for disaster reduction
2005	Singapore	Urban Search and Rescue Training

#### **4-1-1. Capacity Building of the Population of the Kyrgyz Republic in Disaster Reduction and Disaster Preparedness**

##### **(1) Background**

The Asian Disaster Reduction Center (ADRC) and the Ministry of Emergency Situations of the Kyrgyz Republic (MoES) carried out a project entitled “Capacity Building of the Population of the Kyrgyz Republic in Disaster Reduction and Disaster Preparedness” as one of this year’s cooperative projects with ADRC-member countries.

##### **(2) Objectives**

The objectives of the project were:

- 1) To raise awareness of disaster reduction among the people of the country;
- 2) To increase their knowledge and skills in disaster reduction, preparedness and response; and
- 3) To incorporate a holistic, integrated and comprehensive approach to disaster reduction in daily life of the population.

##### **(3) Materials Developed by the Project**

The project produced the following educational and training materials:

- 1) Manual for the population (Russian only);
- 2) Small hazard maps with explanation (English and Russian);
- 3) Training manual (Russian only);
- 4) Action programme (English and Russian); and
- 5) Large maps of administrative districts (Russian only).

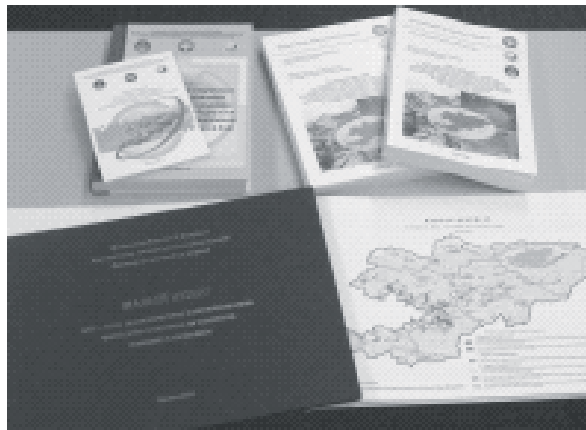


Fig.4-1-1-1 Materials developed by the project

##### **(4) Organizing Committee**

An organizing committee composed of the following members was established for the organization of seminars.

- 1) Chairman of the Organizing Committee: H.E. Mr. Rustenbekov J.S., Minister of Emergency Situations, Kyrgyz Republic;
- 2) Co-Chairman: Mr. Aidaraliev B.R., First Deputy Minister of Emergency Situations, Kyrgyz Republic;

- 3) Co-Chairman: Mr. Masayuki Kitamoto, Executive Director Asian Disaster Reduction Center (ADRC);
- 4) Deputy Chairman: Mr. Camchibekov A.K., Deputy Minister of Emergency Situations, Kyrgyz Republic;
- 5) Ms. Etsuko Tsunozaki, Senior Researcher, ADRC;
- 6) Ms. Mirova Dilor, Ministry of Emergency Situations and Civil Defense of the Republic of Tajikistan, Former Visiting Research of ADRC;
- 7) Mr. Aitaliev A.M., Director, Monitoring Department, MoES, Kyrgyz Republic;
- 8) Mr. Meleshko A.B., Chief, Crisis Management Center, MoES, Kyrgyz Republic;
- 9) Prof. Usupaev S.E., Chief, Monitoring Department, Doctor of Geology and Mineralogy, MoES, Kyrgyz Republic; and
- 10) Ms. Amonova M.T., Chief Specialist, Monitoring Department, MoES, Kyrgyz Republic.

**(5) General Information of Seminars**

- 1) Dates
  - Bishkek: 6 February 2006
  - Osh: 7 February 2006
- 2) Venues
  - Bishkek: Ministry of Emergency Situations
  - Osh: Southern Bureau of Ministry of Emergency Situations
- 3) Organizers
  - Ministry of Emergency Situations of the Kyrgyz Republic (MoES)
  - Asian Disaster Reduction Center (ADRC)
- 4) Purpose of seminars
  - To introduce a holistic, integrated and comprehensive approach to disaster reduction to the participant, using the materials developed, to allow them understand the need and methods to raise capacity of the population to deal with natural disasters
- 5) Participants
  - Bishkek: representatives of North and East Kyrgyz Districts (Chuiskaya, Narynskaya, Issyk-Kulskaya, Tallasskaya oblasts) and Bishkek
  - Osh: representatives of South Kyrgyz Districts (Oshskaya, Jalal-Abadskaya, Batkentskaya oblasts) and Osh
- 6) Languages
  - Russian/Kyrgyz and English (consecutive interpretation)

**(6) Seminar Agenda**

- 1) Seminar in Bishkek (Monday, 6 February 2006)
  - Opening:
    - 2) Mr. Camchibekov A.K., Deputy Minister of Emergency Situations, Kyrgyz Republic;
      - Mr. Masayuki Kitamoto, Executive Director, ADRC
  - Presentations:
    - "Introduction to Total Disaster Risk Management (TDRM)", Ms. Etsuko Tsunozaki, Senior Researcher, ADRC
    - "Disaster Reduction Activities in Central Asia", Ms. Dilor Mirova, Ministry of Emergency Situations and Civil Defense of Republic of Tajikistan, Former Visiting Researcher of ADRC
  - Explanation of educational and training materials developed by the project:
    - Aitaliev A.M., Director, Monitoring Department, MoES, Kyrgyz Republic
  - Questions & answers:
- 2) Seminar in Osh (Tuesday, 7 February 2006)
  - Opening:
    - 3) Mr. Aidaraliev B.R., First Deputy Minister of Emergency Situations, Kyrgyz Republic
      - Mr. Masayuki Kitamoto, Executive Director, ADRC

Presentations:

- “Introduction to Total Disaster Risk Management (TDRM)”, Ms. Etsuko Tsunozaki, Senior Researcher, ADRC
- “Disaster Reduction Activities in Central Asia”, Ms. Diloru Mirova, Ministry of Emergency Situations and Civil Defense of Republic of Tajikistan, Former Visiting Researcher of ADRC

Explanation of educational training materials developed by the project:

- Mr. Meleshko A.B., Chief, Crisis Management Center, MoES, Kyrgyz Republic
- Prof. Usupaev S.E., Chief, Monitoring Department, Doctor of Geology and Mineralogy, MoES, Kyrgyz Republic

Questions & answers by participants:



Fig.4-1-1-2 Seminar in Osh

## (7) Overview of Seminars

The Ministry of Emergency Situations (MoES) of the Kyrgyz Republic and the Asian Disaster Reduction Center (ADRC) coorganized two seminars on 6 (Bishkek) and 7 (Osh) February 2006. The two seminars were conducted in the context of the cooperative project “Capacity Building of the Population of the Kyrgyz Republic in Disaster Reduction and Disaster Preparedness” being carried out by the two organizations

The seminar held in Osh was inaugurated by Mr. B.R. Aidaraliev, First Deputy Minister of MoES, and the one in Bishkek, by Mr. A. K. Camchibekov, Deputy Minister of MoES. Mr. Masayuki Kitamoto, Executive Director of ADRC, congratulated MoES on the development of the comprehensive training/educational materials and on the successful conduct of the seminars, emphasizing that the effective use of the materials is the key to enhancing disaster preparedness of the people.

The TDRM (Total Disaster Risk Management) approach, which should be widely adopted in the Kyrgyz Republic, was introduced by Ms. Etsuko Tsunozaki, Senior Researcher of



Fig.4-1-1-3 Seminar in Bishkek

ADRC. Ms. Diloru Mirova, MoES & Civil Defense of the Republic of Tajikistan and a former Visiting Researcher of ADRC, made a presentation based on her experiences with MoES Tajikistan and ADRC, including some recommendations useful for the Kyrgyz Republic. A team from the Department of Emergencies Monitoring, Forecasting and Mining Tailing Management of MoES made a presentation on the training/educational materials developed. MoES will further disseminate and promote these materials with a view to enhancing the capacity of the people of the country to live with disaster risks.

**(8) Visit to Crisis Management Center**

A visit to the newly established Crisis Management Center was organized on 6 February 2006, prior to the seminar in Bishkek, where the materials developed by the project as well as posters and reports prepared by ADRC and other information on disaster management in Japan were displayed.



Fig.4-1-1-4 Visit to Crisis Management Center in MoES



Fig.4-1-1-5 Explanation on Materials Developed

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## 4-1-2. Urban Search and Rescue Training in Singapore

### (1) Basic concept

The Singaporean government holds a training course every year for search and rescue officers. The course has been receiving trainees from outside Singapore for the past 6 years and providing training on search-and-rescue expertise required in urban disaster situations. The training facility complex of the Civil Defence Academy (CDA) of the Singapore Civil Defence Force (SCDF) is one of the top-notch facilities in Asia. In an effort to utilize their expertise and facilities, ADRC has been inviting relevant officers from member countries to the training course since 2001. Search and rescue officers from Republic of Korea, Pakistan, Papua New Guinea and Russia participated in this year's course.

### (2) Dates

20 February to 3 March 2006 (2 weeks)

### (3) Details

#### 1) Participants

4 officers (from 4 countries: Republic of Korea, Pakistan, Papua New Guinea and Russia)

#### 2) Lecturers

Staff of Singapore Civil Defence Force (SCDF)



Fig.4-1-2-1 Simulation Facilities of Singapore Civil Defence Academy  
(Left: Collapsed building, Right: Fire rescue facilities)

### 3) Training program

#### a) Lectures

- Principle of USAR operations
- International marking system
- Single/Mass casualty management
- Rescue dogs
- Emergency behavior management
- Case study - Tsunami
- UN international search & rescue response
- Rescue in confined space

#### b) Drills & Practices

- BA search procedures and techniques
- Method of shoring
- Debris Tunneling
- Evacuation of casualties with/without equipment
- High angle rescue
- Confined space rescue exercise

**(4) Overview**

The search and rescue training facility complex in Singapore consists of simulation facilities including a 10-story fire building, chemical plant, oil refinery, debris area, and confined spaces. There are also lecture rooms, accommodations, a canteen, and an administrative office in the premises.

The first week of the training consisted mainly of lectures and trainings, and the second week consisted of practical search and rescue drills at simulation facilities.

The Civil Defence Academy provides about 20 training courses a year for various objectives. For trainees from abroad, search and rescue training courses are available for 2 types of disasters; fire and urban disasters. There are two kinds of courses for urban disaster search-and-rescue training; the course accepting participants from various countries, and the customized course for personnel from specially designated countries.

The International Urban Search and Rescue training course is beneficial to international participants since there is not much opportunity for them to learn search and rescue expertise in such well-equipped facilities. In addition, the information and knowledge gained from the experienced instructors would be of great help for their career and the advancement of search and rescue capability of their countries (see questionnaire in Table 4-1-2-1).



Fig.4-1-2-2 Scenes of the training

Table4-1-2-1 Evaluation Report of the Training Course by the Trainees  
(including 4 from ADRC and 11 from other schemes)

**1. Course Objective**

Very well achieved	6.7%
Well achieved	60.3%
Adequately achieved	33.5%
Not well achieved	—
Not all achieved	—

**2. Learning Objective**

Very well achieved	13.4%
Well achieved	46.9%
Adequately achieved	40.2%
Not well achieved	—
Not all achieved	—

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### 3. Course Structure and Content

#### a. Relevance of the topics

Very relevant	20.1%
Relevant	60.3%
Adequately relevant	20.1%
Less relevant	—
Not relevant	—

#### b. Overall planning and preparation

Excellent	33.5%
Very Good	40.2%
Good	26.8%
Satisfactory	—
Poor	—

#### c. Course duration

Too long	—
Just right	60.3%
Too short	40.2%

#### d. Overall pace of the course

Too fast	53.6%
Just right	40.2%
Too slow	6.7%

#### e. Quality of the handouts in the terms of readability and clarity

Excellent	13.4%
Very Good	40.2%
Good	26.8%
Satisfactory	20.1%
Poor	—

#### f. Usefulness of the course materials as a learning aid

Extremely useful	6.7%
Very Good	67.0%
Adequately Useful	26.8%
Less Useful	—
Not at all useful	—

### 4. Trainer Effectiveness

#### a. Effectiveness in delivering the lesson

Excellent	26.8%
Very Good	53.6%
Good	13.4%
Satisfactory	6.7%
Poor	—



**b. Effectiveness in using practical examples and demonstration**

Excellent	40.2%
Very Good	33.5%
Good	26.8%
Satisfactory	—
Poor	—

**c. Interactions between the participants and the trainer(s)**

Excellent	53.6%
Very Good	40.2%
Good	6.7%
Satisfactory	—
Poor	—

**d. Overall presentation skills of the trainer(s)**

Excellent	46.9%
Very Good	33.5%
Good	20.1%
Satisfactory	—
Poor	—

**5. Administration**

**a. Lecture room/training facilities/equipment in order**

All the time	73.7%
Most of the time	26.8%
Some of the time	—
Very little of the time	—
Not at all	—

**b. Overall administration**

Excellent	40.2%
Very Good	53.6%
Good	6.7%
Satisfactory	—
Poor	—

The questionnaire shows clearly that Singapore owns invaluable human resources as well as facilities for search and rescue training. ADRC continue sworking closely with Singapore and providing training courses to suit the needs of member countries.