4 Identification of Needs and Resources concerning the Promotion of Cooperation on Disaster Reduction

4-1 Identification of Needs and Resources

4-1-1 Questionnaire Survey of Member Countries

To grasp the needs of member countries for the purpose of the ADRC web site, we conducted a questionnaire survey on these countries and clarified their respective needs. We enclosed a questionnaire with the notification of the Second ADRC International Meeting, requesting the persons in charge of each member country to respond to the questionnaire. The questionnaire listed several choices on the ADRC site from which the respondent could select, to address issues which were specific to each member country. The following are items selected by ten or more of the 15 respondents:

1) Purpose for accessing the ADRC site
a) Gather latest information on disasters
b) Gather disaster reduction information of other countries and municipalities

2) Information sought before disaster occurs
a) Basic plans on disaster reduction of other countries and municipalities
b) Technical trends in the surveillance and prevention of disasters

3) Information sought after being affected by a disaster
a) Useful lessons learnt

4) Technical information sought
a) Integrated information system

5) Education and training information sought
a) Education and training for administrative officials who make disaster reduction plans
b) International meetings related to disaster reduction

6) Human network information sought
a) Administrative officials who make disaster reduction plans
b) Specialists in disaster reduction plans

7) Classifications facilitating the search of information on disaster reduction systems
a) Types of information searched for (predictions, disaster reduction plans, etc.)

8) Classification facilitating the search of information after being affected by a disaster
a) Types of disaster

9) Classification facilitating the search of information characterizing each disaster
a) Types of disaster

The questionnaire results seem to reflect the position of those answering the questionnaire as administrative officials of disaster reduction, and reveal the strong needs for specific cases and the development of preparedness in the scheming of disaster reduction plans. Among Japanese web sites, only the Tokyo Metropolitan Government provides information on basic plans for disaster reduction, and only a few organizations provide education and training programs, indicating that the initiatives of the ADRC are largely anticipated.
For information search, the respondents were generally purposeful and replied that information should be available by category, such as information on predicting disasters and disaster reduction plans. Many replies emphasized the convenience of search categories by disaster type, excluding searching for information on human networks. This clarified that the classification of information into two groups, type of disaster and type of information, would enable convenient information navigation. Cost awareness was very high in economically developing countries such as Bangladesh and Papua New Guinea.
The average standard of the networking environment of member countries was mainly via e-mail use, with the Internet used only when required. This indicates that the ADRC site should for the time being be designed for small data size. With the installation of mirror sites, lines can be provided, although the ability to construct and maintain the site is insufficient, and technical support is required.
Based on the current status of network using in member countries, we recognized the need to periodically compile newsletters, etc., and provide information through paper media or e-mail to complement the information provided on our homepage.

4-2 Proposals of Disaster Reduction Cooperation Project from Member Countries

4-2-1 Survey of Interests of Member Countries in Disaster Reduction Cooperation Project

We asked the 22 ADRC member countries for proposals for a disaster reduction cooperation project, and a total of 14 proposals from eight countries were received. Details are provided below. Each proposal reflects the current needs of the

respective countries, and the significance of each proposal should be acknowledged.
Of these proposals, nine were possible options for the ADRC to provide cooperation, including training projects and dissemination/developmental programs for fostering expertise and human resources in Cambodia, Mongolia, Nepal, Viet Nam, Indonesia and Sri Lanka. The other five proposals required us to consider the possibilities of support from related organizations such as the World Bank and Japan International Cooperation Agency (JICA). These proposed projects include holding a national disaster reduction conference in Indonesia, creating a disaster reduction information system of Kazakhstan, and establishing disaster reduction information centers in Nepal and Viet Nam. The ADRC will consider the feasibility of these proposals.

4-2-2 Proposals by Member Countries

Outlined below are the proposals made by member countries in response to a survey conducted by the ADRC on the interests of these countries in a disaster reduction cooperation project.

Table 4-2-2-1 Proposals for Disaster Reduction Cooperation Project

Country	Name of Project	Contents of Project	Duration	Cost (Estimated)	Charge
Cambodia	Human Resource Development on Disaster Management	・Training for staffs managing regional disaster reduction in 3 provinces ・Receiving specialists for implementation of the dissemination program, strengthening disaster reduction system and its training	1year	US$ 10,000	ADRC
Indonesia	The Research on Indonesian Decentralization and Disaster Management System	Holding national conferences by people in charge of disaster reduction in nation, province, region to strengthen disaster reduction management	1year	US$90,000	Other donors
	Community-based Flood Mitigation in Bandung City	Training for disaster reduction in a community level of Bandung City that is seriously damaged by floods because of increasing population	14months	US$ 18,000	ADRC
	Developing Disaster Management Cooperation between the two Districts: Amagasaki City and Malang City	Disaster reduction cooperation including information and personnel exchange between Amagasaki City and Malang City −Aiming to be a model of cooperation in the future−	1year	US$ 16,500	ADRC
Kazakhstan	Development of an Emergency Management Information System for Almaty on the base of GIS-technology	Development of emergency management system of GIS base which covers Almaty industrial area, and fostering personnel regarding this project	2years and 6months	US$ 1,200,000	Other donors
Mongolia	Public Awareness Raising Against Frequent Wild Fires and Other Natural Disasters in Mongolia	・Promotion of disaster reduction education ・Implementation of dissemination activity	4months	US$ 10,000	ADRC
Nepal	Upgrading the Disaster Management Capabilities of the Disaster Relief Section of the Ministry of Home Affairs	To strengthen the capability of disaster relief section, Ministry of Home Affairs, establish the disaster reduction information center, develop the system, train the staffs in charge, and receive the specialists	1year	US$ 100,000	Other donors
	To Raise Public Awareness for Disaster Reduction	・Disaster reduction education (for teachers, social workers, women leaders, scout and health workers) ・Planing and making the posters and putting them up ・Planing and implementation of public relations by radio	6months	US$ 10,000	ADRC
Singapore	Specialised Collapsed Building Rescue Course	Provision of technical training for rescue operations in collapsed buildings and receiving the participants from member countries into this training	2weeks	US$ 1,000 per person	ADRC
Vietnam	Use of NOAA Data for Flood Disaster Monitoring in the	Development the floods monitoring system of Mekong River Delta by making good use of NOAA information	1year	US$ 100,000	Other donors

	Mekong River Delta of Southern Vietnam in Near Real Time				
	Headquarter Control Room for Disaster Management of Vietnam	Establishment of the headquarter control room to accumulate and analyze the information of disaster reduction, which could help effective support for disastrous areas	2years	US$ 570,000	Other donors
	Training Course on Natural Disaster Management	Special training for staffs who work on natural disaster control	1month	US$ 10,000	ADRC
	Material for Training Course on Natural Disaster Management	Making sets of training material for staffs who work on natural disaster control	3months	US$ 9,000	ADRC
SriLanka	Human Resource Development on Disaster Management	having training courses to develop personnel resource on disaster Management of local government	1year	US$ 10,000	ADRC

4-2-3 Future Policy

This section describes the future plans of the ADRC.

1) Classification of proposals
Since the ADRC is committed to promoting multinational disaster reduction cooperation, but does not always provide financial support, it is necessary to deal with each project while taking the limits of its ability into account.
The ADRC thus divided the proposed projects listed above into two, and plans to specify individual measures to promote each project. One category of projects will mainly be promoted by the ADRC, while the other will be promoted with the cooperation of external organizations such as the World Bank and the JICA.

2) Projects dealt with by the ADRC
Projects promoted mainly by the ADRC include disaster reduction education and training, and dissemination/developmental projects. With these projects, the needs of each country will be able to be met in detail at a relatively low budget. The ADRC can be expected to acquire support from related organizations as well as specialists, such as researchers and disaster reduction administrative officials in the member countries. The ADRC is active in supporting these projects.

3) Coordination of cooperation with related organizations
The ADRC has already commenced preliminary deliberations on the promotion of the disaster reduction cooperation projects with the World Bank, which participated in the Second ADRC International Meeting. We will also consult JICA on the possibilities of actual disaster reduction cooperation.
With the World Bank, the ADRC will tie up with the ProVention Consortium that was introduced at an expert meeting and established to specifically promote the project. The ProVention Consortium is briefly described below.

4) The World Bank's ProVention Consortium
On February 3, 2000, the ProVention Consortium was officially established by the World Bank and other stakeholders. However, specific activities, in particular setting up systems to deal with proposals, including the provision of financial supports, have yet to be undertaken, and the consortium is not ready to officially accept proposals at this point.
As the World Bank has, however, indicated that it will possibly examine preliminary ideas and proposals to accept them as official proposals, the ADRC will consult the ProVention Consortium regarding the previously mentioned proposals to seek their cooperation, as much as possible.
The ADRC is going to go through the necessary procedures based on investigation and deliberation, attempting to promote the cooperation required for the reinforcement of the disaster reduction systems and disaster reduction measures in the ADRC member countries.
*For general information on the ProVention Consortium and the World Bank policies on emergency recovery assistance, visit the Disaster Management Facility web page at http://www.worldbank.org/dmf (English version).