3-2. Database on Disaster Risk Reduction

3-2-1. Latest Disaster Information

When a natural disaster occurs, information on the extent of the damage, the situation of the affected area and emergency response and relief is collected and disseminated by media, local and central governments, international organizations, research institutions, civil societies, NGOs, and so on in affected countries and throughout the world. Most of such information was usually provided individually and it took time and labor to get all the necessary information, whch prevented from agile data collection activities in case of emergency.

Under these circumstances, organizations such as the Centre for Research on the Epidemiology of Disasters, Centre for Research on the Epidemiology of Disasters (CRED) and the UN Office for the Coordination of Humanitarian Affairs (UNOCHA) have been gathering global disaster information to make disaster information.

ADRC has developed a database and published the latest disaster information on its website in order to contribute as a clearinghouse of disaster information from various sources since September 1998. Summarized information with direct links to the original information sources provided on its website enables rapid search and retrieval of information. In particular, the database provides a brief summary of disasters (dates, locations, and overviews), brief outlines of damage situations, link information categorized by reports/articles, geographic data, emergency relief information, urgent reports from ADRC member countries and graphic information. Such information is continually updated in accordance with further information release.

Figure 3-2-1-1 to Figure 3-2-1-4 shows information flow of ADRC's website starting from top page to related organizational information. The earthquake in Nepal, August 2015 was taken as example. In the top page, the disaster appears as latest disaster, linked to detailed information (Figure 3-2-1-1). The detailed information has links to GLIDE number, space imagery obtained in Sentinel Asia framework, and national disaster management organization of the country when it is ADRC's member country (Figure 3-2-1-2 to 3-2-1-4).

The information originates mainly from announcements of disaster relevant organizations including the ADRC's member countries, situation reports from the UNOCHA ReliefWeb, International Federation of Red Cross and Red Crescent Societies (IFRC), and media reports. The latest disaster information site also links to the website page of the disaster management organization and the disaster management information within ADRC's website, which works as a portal to various kinds of information.

In addition, the database connected to the link to the other site "JAXA DMSS" to enhance the value to ADRC's website using the satellite image data taken at the affected site after the natural disasters when the emergency satellite observation was conducted. The database provides information of more than 2,074 disasters in the world as of 21 January 2016.
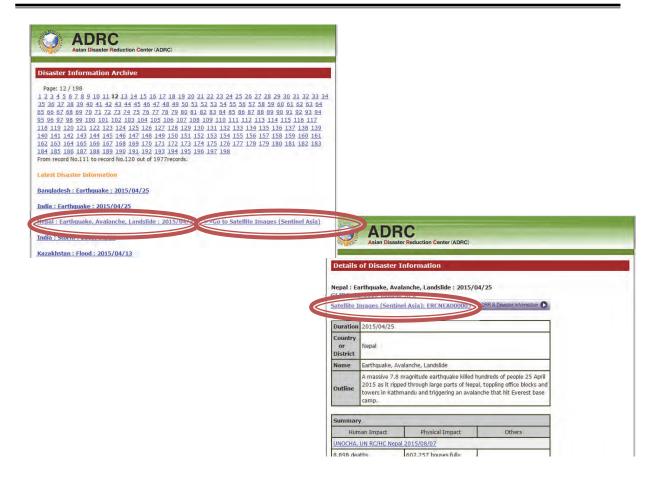
Figure 3-2-1-1 ADRC Latest Disaster Information (above) and

Details of Disaster Information (below)

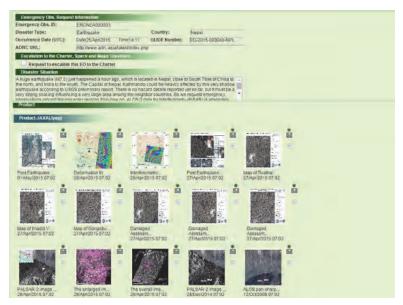Figure 3-2-1-2 GLIDE Number of the disaster

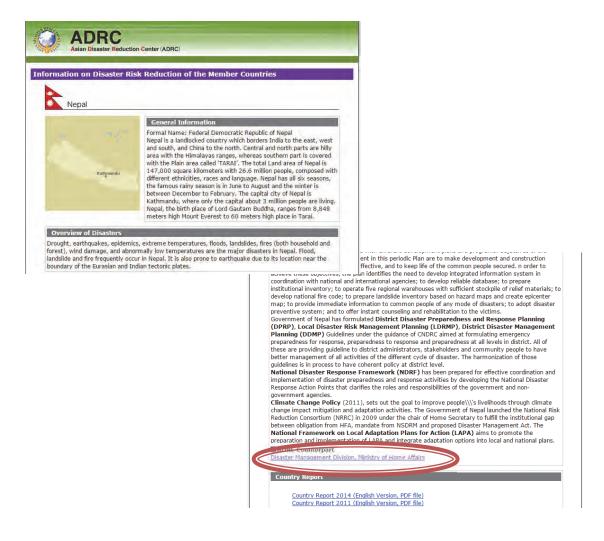Figure 3-2-1-3 Satellite imageries of the disaster in Sentinel Asia

Figure 3-2-1-4 Information on Disaster Risk Reduction of the Member Country

3-2-2. Multilanguage Glossary on Disaster Reduction

(1) Provision of Multi-language Glossary on Natural Disasters

The Multi-language Glossary on Natural Disasters was compiled through the activities of the United Nation's IDNDR launched in 1990. It can be easily searched in six languages including Chinese, English, French, Japanese, Korean, and Spanish by choosing an input language and a target language. To make the glossary available to a broader audience, ADRC has been providing online translation services. The six-language glossary is thus now available on ADRC website.

The glossary contains technical terms which may be hard to find in ordinary dictionaries, and can be utilized by those working personnel in the disaster field to read technical documents related to Disaster Reduction.

(2) Native Language Activities by Visiting Researchers

Since 2008, ADRC has been compiling "Multilanguage Dictionaries" of the languages used in member countries with the help of the visiting researchers. The dictionary includes largely 1,130 basic "disaster reduction terms" based on English terms.

Side by side translation lists have already been completed by the visiting researchers from Bhutan, Kyrgyz (Kyrgyz and Russian), Malaysia, Myanmar, Nepal, Pakistan, Philippines, Sri Lanka, Thailand, Uzbekistan, Vietnam, and Yemen (Arabic) by March 2016, and uploaded in the format of "Multilingual Dictionaries (Tentative)" on ADRC website separate from the "Multi-language Glossary." They are intended to serve as reference materials for disaster reduction activities in member countries.

Fig.3-2-2-1 Multi-language Dictionaries for Disaster Reduction (Provisional Translation)

3-2-3. Asian Disaster Reduction Center Newsletter: ADRC Highlights

ADRC has been using the Internet and e-mail to share information with its counterparts in the member countries, and other relevant parties. As one of its mainstay tools for information dissemination, ADRC has been issuing the newsletter "ADRC Highlights" since 1 June 1999. It had been issued twice a month until FY 2007, and has been issued once a month since the renewal of its design in FY 2008.

Fig. 3-2-3-1 ADRC Highlights

(April 2015: Japanese edition, English edition, Russian edition)

The newsletter is made available on the website. It is also e-mailed in English, Russian and Japanese to the ADRC counterparts and former visiting researchers, former GLobal IDEntifier number (GLIDE) visiting researchers, participants in the past ADRC annual meetings, visitors to ADRC, trainees in JICA's training courses which ADRC were involved in, and participants in international conferences ADRC took part in to strengthen relations with. Also ADRC registers e-mail addresses of those who wish to subscribe the newsletter upon the receipt of request e-mail. The numbers of subscribers in English, Russian and Japanese, are 2,418, 205 and 909 respectively as of January 2016.

The contents include articles on the latest ADRC activities, reports on international conferences, and other events which ADRC staff attended and gave presentations in, as well as national reports by the ADRC visiting researchers from member countries. Several conferences which were coordinated by ADRC in the Third UN World Conference on Disaster Risk Reduction were reported in 2015.

Table 3-2-3-1 Headlines from ADRC Highlights (FY2015)

Vol.	Main Articles
265	1. Asian Conference on Disaster Reduction 2015 2. ADRC/IRP Participates in the Preparatory Meeting for the Earthquake Preparedness Conference in Metro Manila, Philippines
266	1. SATREPS Chile Project -Research Project on Enhancement of Technology to Develop Tsunami-Resilient Community- 2. ADRC Staff Profile No.46 -Mr. Kazuhito UEDA, Researcher
267	1. ISDR Asia Partnership (IAP) meeting 2. ADRC/IRP Promotes and Implements Multilateral Cooperation on Disaster Reduction and Recovery through participation in the Indian Ocean Rim Association (IORA)-led International Conference in Tanzania
268	1. Town-Watching for Disaster Reduction
269	1. JICA Knowledge Co-Creation Program: Raising Awareness of Disaster
270	1. Greetings from new ADRC Executive Director, Ms. Kyoko KONDO 2. JICA's Knowledge Co-Creation Program on "Comprehensive Disaster Management for Central Asia and the Caucasus 2015" 3. ADRC Visiting Researcher Report -Mr. Vigen Harutyunyan (Armenia) 4. ADRC Internship, Ms. Norika Yamamura 5. ADRC Internship, Mr. Krisztian Benyo
271	1. ADRC Visiting Researcher Report -Mr. Fozilov Elyor (Uzbekistan) 2. ADRC Visiting Researcher Report -Mr. Tahir Mehmood (Pakistan)
272	1. The First Steering Committee (FSC) Meeting of the Sentinel Asia Step 3
273	1. Sentinel Asia Initiative Tsunami Working Session and the 22nd Session of the Asia-Pacific Regional Space Agency Forum (APRSAF-22) 2. Demonstration of a Push-Type Information Dissemination Device in the Kurihama Neighborhood of Yokosuka City, Kanagawa Prefecture
274	1. Happy New Year 2016 -Masanori HAMADA, Chairman, ADRC 2. ADRC Visiting Researcher Report -Mr. Chathura Liyanaarachchige (Sri Lanka)

275	1. ADRC Visiting Researcher Report - Mr. Andrew Lalhruaia (India) 2. ADRC Visiting Researcher Report - Mr. Mohamed Inayath (Maldives)
276	1. Asian Conference on Disaster Reduction 2016