
2-4. Improvement of Information on the ADRC Website and Online Information Sharing

2-4-1. Website of the Asian Disaster Reduction Center (ADRC)

ADRC shares useful information on disaster risk management through its website (<http://www.adrc.asia/>). This site facilitates the collection of important information from officers in charge of disaster management throughout Asia, including ADRC member countries, and personnel involved in disaster reduction activities worldwide.

The website provides a wide range of information under the following headings: “About ADRC,” “Activities of ADRC,” “Latest Disaster Information,” “Disaster Risk Reduction Information of Member Countries,” “Disaster Reduction Events,” and “Publications.” ADRC has been striving to improve the website to provide easy access to more useful information. Several improvements were made in FY 2008.

First, the search engine on the home page was enhanced using the system provided by Google. The user can easily search not only information on latest disasters but also the entire contents of the ADRC website.

Second, the pages providing disaster risk reduction information on ADRC member countries have been improved. The information was updated and reorganized to provide easy user access to the information, as shown in Fig. 2-4-1.

Third, a new webpage was developed to publicize ADRC activities in a timely and appropriate manner. The page was configured using a blog format, enabling each ADRC staff member to post reports of activities immediately upon their conclusion. Users can easily retrieve activity reports using the search function, as the reports are categorized by their topics, event date, and event venue.

Further, a web page consolidating information on large-scale disasters has been added. This page provides links to information. In addition, a search engine was added to the page to help users more easily search for the latest disaster information.

Annual publications such as the Reports on the Asian Conference on Disaster Reduction, Good Practices on Total Disaster Risk Management (TDRM), Natural Disasters Data Book, and ADRC Annual Reports were also added to the site, allowing users easy access to back issues of these publications.



ADRC

Asian Disaster Reduction Center (ADRC)

Information on Disaster Risk Reduction of the Member Countries



India

General Information

Formal Name: India
 Having 3,287,263 sq km (including disputed region with China) land, India occupies most of the Indian subcontinent. It borders with Pakistan, China, Nepal, Bhutan, Bangladesh, and Myanmar on land, Sri Lanka, Maldives, Indonesia at sea. Upland plain (Deccan Plateau) in south, flat to rolling plain along the Ganges, deserts in west, Himalayas in north.

The capital is Delhi. More than 10 million population consists of variety of religious, linguistic and ethnic groups.

Overview of Disasters

India is a disaster-prone country with frequent earthquakes, floods, cyclones, drought, tsunami, landslide, and avalanches.

Recent Major Disasters

- The Indian Ocean Tsunami (December 2004)**
 The Indian Ocean Tsunami which took place off the Sumatra Island on 26 December 2004 killed 16,389 people, injured 6,913 people and affected about 65 million people. The total damage is about US10 billion.
- Gujarat Earthquake (January 2001)**
 M7.7 earthquake occurred in Gujarat Province (western India) on 26 January 2001. At least 20,005 people were killed, 166,812 injured, approximately 360,000 buildings destroyed and 15 million people affected in Gujarat. The total damage is US4.6 billion.
- Orissa Super Cyclone (October 1999)**
 A massive cyclone that hit Orissa (northeast of India) on 29 October 1999 killed 9,887, affected approximately 13 million people, and destroyed 800,000 houses.

Disaster Management System

Legal System
 The Indian Government formulated a national disaster management framework in 2004 and promulgated the Disaster Management Act, 2005- DM ACT in 2005.
[The Disaster Management Act, 2005 \(pdf\)](#)

Organization

 The National Disaster Management Authority (NDMA), headed by the Prime Minister of India, is in charge of creating and implementing disaster management policies, DM plans and guidelines. State level DM bodies are the State Disaster Management Authorities (SDMAs).
 Under the umbrella of the NDMA, there is an institution promoting capacity building for disaster mitigation and emergency response which is called the National Institute of Disaster Management, NIDM, and emergency disaster response force which is called the National Disaster Response Force (NDRF).

Plan
 Although there is no sector-specific disaster management plans, there is a clear statement that emphasizes the need for the development plans safe from disasters in the chapter on environment and climate change in the 11th national five-year national plan period (2007-2012). Since the Disaster Management Act requires the formulation of disaster management plan, the NDMA published the National Disaster Management Guidelines: Preparation of State Disaster Management Plans in July, 2007.
[11th Five-year National Plan \(2007-2012\) chapter 9: Environment and climate change](#)
[National Disaster Management Guidelines: Preparation of State Disaster Management Plans, July 2007](#)

Fig. 2-4-1 Revised web page showing DRR information for member countries

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2-4-2. Latest Disaster Information Database

When a natural disaster occurs, information on the extent of the damage incurred, the situation in the affected area, and emergency response and relief efforts is collected and disseminated by the media, local and central governments, international organizations, research institutions, civic organizations, NGOs, and other groups in the affected country and throughout the world. At one time, most of this information was provided independently, such that it took time and effort to gather all the necessary information in one place. This naturally prevented the efficient collection of data in emergency situations.

The Asian Disaster Reduction Center (ADRC) has added a database of information on recent disasters to its website, which is designed to serve as a clearinghouse for disaster information obtained from various sources since September 1998. Summaries with direct links to the original sources enables the rapid search and retrieval of information.

The database provides a brief summary of each disaster (date, location, and overview), a brief outline of the damage sustained, links to information categorized by [Meaning?] reports/articles, geographic data, emergency relief information, urgent reports from ADRC members, and graphic information. Such information is continually updated as additional information is released.

The information originates mainly from announcements issued by disaster organizations in ADRC member countries, UNOCHA ReliefWeb, the International Federation of Red Cross and Red Crescent Societies (IFRC), and the media.

The Latest Disaster Information page also includes links to relevant disaster management organizations and information contained elsewhere within the ADRC website, allowing it to serve as a portal to various kinds of information.

The database has been linked to “JAXA DMSS” since 2007, enhancing the value of the site by providing access to satellite images of disaster affected sites in cases where emergency satellite observations were conducted. As of the end of March 2009, the database provides information on a total of about 1,200 disasters.



Fig.2-4-2-1 Latest Disaster Information

2-4-3 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 such as 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.

Thus, the six-language glossary is now available on the ADRC website.

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

(2) Native Language Activities by Visiting Researchers

ADRC accepts four visiting researchers from every member country during the year to cultivate talent in disaster reduction administration and the study of the member country. Since 2008, ADRC has been making "Multilanguage Dictionaries" with side by side entries into the mother language of the visiting researcher about 1,130 basic "disaster reduction terms" based on English terms.

Side by side translation lists have already been completed by researchers from Kyrgyz, Pakistan, Nepal, and Vietnam. Two more languages will be added by researchers from Malaysia and Thailand in the latter part of fiscal 2008.

The finished lists were initially offered in the format of "Multilingual Dictionaries (Tentative)" on the ADRC website separate from the "Multilingual Glossary," and were intended to serve as reference materials for disaster reduction activities in member countries.

ADRC continues to add data to these lists and plans to further promote their use by member countries in the future.



(Provisional Translation)		
No.	English	Kyrgyz
1	arcade	аркада
2	Karst basin-forming movement	декомпактный сдвиг погоды
3	deformity by seism	изменение из-за землетрясения
4	desertification	устепление, запах, пустыня, разование, требование до засухи
5	acceleration response spectrum	спектральная реакция ускорений
6	acceleration	ускорение, запах, пустыня, разование, требование до засухи
7	accelerogram	спектральная реакция ускорений
8	accretion	аккумуляция (аккумуляция)
9	acoustic emission	акустическая (акустическая) эмиссия
10	active fault	развивающаяся неизвестность
11	active measure/countermeasure act	активность горячего источника???
12	activity of hot spring	активность горячего источника???
13	adaptive change	адаптивные изменения
14	adhesive	липкий, адгезивный
15	advection fog	адвективный туман
16	advection	адвекция
17	aeriel photograph	аэрофотоснимок
18	aerodynamic admittance	аэродинамический доступ
19	aerodynamic damping	аэродинамическое демпфирование
20	aerodynamic force	аэродинамическая сила
21	aeronautical meteorology	аэрометеорология
22	aircraft	авиапарк
23	aggregation	накопление, концентрация, акумуляция, сосредоточение
24	air gun	подводная макетка
25	air mass	воздушное течение
26	air mass modification	воздушное течение
27	air wave	воздушная волна
28	aircraft accident	воздушная волна
29	air phase	воздушная фаза
30	allowable bearing stress	допустимое статическое давление
31	allowable deflection	допустимое прогибание
32	allowable settlement	допустимое прогибание
33	allowable stress	допустимое напряжение
34	allowable stress design method	метод проектирования с ограниченным напряжением
35	allowial fan at cocaine foot	аллюрический орган
36	alluvium	аллювиальный отложений
37	Alpine-Himalayan	Альпийско-Гималайский пояс
38	alteration	изменения, переворот, вариант, вариация, переопределение
39	amendities	проплыти, кривости
40	amount of precipitation	количество осадков
41	annual variation	годовая вариация
42	analysis	анализ, изучение, исследование
43	anchor work	якорные работы
44	anchorage	якорное место
45	angle of attack	угол атаки
46	annular flow	угловое перемещение, антипротиводействие
47	anisotropy	анизотропия
48	annual amplitude of temperature change	годовая амплитуда температурных колебаний
49	annual ground surface	годовая поверхность земли
50	anticyclone	антициклон
51	application	проект/заявление, форма заявления
52	arch action	拱形

Translation)		
No.	English	Nepali
1	arcade	arcade
2	Karst basin-forming movement	dekompaqt sving pogoda
3	deformity by seism	izmenenie iz-za zemljetrascenia
4	desertification	usteplenie, zapah, pustynya, razovaniye do zasukhi
5	acceleration response spectrum	spektral'naya reakciya uskorennyi
6	acceleration	uskorenie, zapah, pustynya, razovaniye do zasukhi
7	accelerogram	spektral'naya reakciya uskorennyi
8	accretion	akkumulyatsiya (akkumulyatsiya)
9	acoustic emission	akusticheskaya (akusticheskaya) emissiya
10	active fault	razvivayushchaya neizvestnost'
11	active measure/countermeasure act	aktivnost' gorяcheno istochnika???
12	activity of hot spring	aktivnost' gorяcheno istochnika???
13	adaptive change	adaptivnye izmeneniya
14	adhesive	lipkiy, adzessivnyy
15	advection fog	advektivnyy tuman
16	advection	advektiya
17	aeriel photograph	aerofotosnimok
18	aerodynamic admittance	aerodinamicheskij dostup
19	aerodynamic damping	aerodinamicheskoe dempferovaniye
20	aerodynamic force	aerodinamicheskaya sila
21	aeronautical meteorology	azionika meteoroologiya
22	aircraft	aviasia
23	aggregation	nakopleniye, koncentraciya, akkumulyatsiya, sozdaniye
24	air gun	podvodnaya maketka
25	air mass	vodushnoye tekuchenie
26	air mass modification	vodushnoye tekuchenie
27	air wave	vodushnaya volna
28	aircraft accident	vodushnaya volna
29	air phase	vodushnaya fazza
30	allowable bearing stress	dopol'simmo stoychivost' zaryazhenniya
31	allowable deflection	dopol'simmo progiyanie
32	allowable settlement	dopol'simmo progiyanie
33	allowable stress	dopol'simmo napryazheniye
34	allowable stress design method	metod proyektovaniya s ogranicheniyem napryazheniya
35	allowial fan at cocaine foot	al'juaricheskiy organ
36	alluvium	al'juviyalnye otlozheniya
37	Alpine-Himalayan	Al'pijsko-gimalaiskiy poys
38	alteration	izmenenie, perenacheta, varianta, variaciya, pererepravleniye
39	amendities	prispelyti, krovosti
40	amount of precipitation	kol'vo opadaniya
41	annual variation	godovaya variaciya
42	analysis	analiza, izuchenie, issledovaniye
43	anchor work	yeckornye raboty
44	anchorage	yeckornye mesto
45	angle of attack	ugol ataki
46	annular flow	ugolotok peremeshcheniya, antiprotsedstvennoye dlyaniye
47	anisotropy	anizotropiya
48	annual amplitude of temperature change	godovaya amplituda temperaturnykh kolibriyacii
49	annual ground surface	godovaya poverkhnost' zemli
50	anticyclone	antitsiklon
51	application	projekt/zayavleniye, forma zayavleniya
52	arch action	arkh

Translation)		
No.	English	Vietnamese
1	arcade	nhанh tб tham gia quan sr
2	Karst basin-forming movement	nhng tб tham gia quan sr
3	deformity by seism	nhng tб tham gia quan sr
4	desertification	nhng tб tham gia quan sr
5	acceleration response spectrum	nhng tб tham gia quan sr
6	acceleration	nhng tб tham gia quan sr
7	accelerogram	nhng tб tham gia quan sr
8	accretion	nhng tб tham gia quan sr
9	acoustic emission	nhng tб tham gia quan sr
10	active fault	nhng tб tham gia quan sr
11	active measure/countermeasure act	nhng tб tham gia quan sr
12	activity of hot spring	nhng tб tham gia quan sr
13	adaptive change	nhng tб tham gia quan sr
14	adhesive	nhng tб tham gia quan sr
15	advection fog	nhng tб tham gia quan sr
16	advection	nhng tб tham gia quan sr
17	aeriel photograph	nhng tб tham gia quan sr
18	aerodynamic admittance	nhng tб tham gia quan sr
19	aerodynamic damping	nhng tб tham gia quan sr
20	aerodynamic force	nhng tб tham gia quan sr
21	aeronautical meteorology	nhng tб tham gia quan sr
22	aircraft	nhng tб tham gia quan sr
23	aggregation	nhng tб tham gia quan sr
24	air gun	nhng tб tham gia quan sr
25	air mass	nhng tб tham gia quan sr
26	air mass modification	nhng tб tham gia quan sr
27	air wave	nhng tб tham gia quan sr
28	aircraft accident	nhng tб tham gia quan sr
29	air phase	nhng tб tham gia quan sr
30	allowable bearing stress	nhng tб tham gia quan sr
31	allowable deflection	nhng tб tham gia quan sr
32	allowable settlement	nhng tб tham gia quan sr
33	allowable stress	nhng tб tham gia quan sr
34	allowable stress design method	nhng tб tham gia quan sr
35	allowial fan at cocaine foot	nhng tб tham gia quan sr
36	alluvium	nhng tб tham gia quan sr
37	Alpine-Himalayan	nhng tб tham gia quan sr
38	alteration	nhng tб tham gia quan sr
39	amendities	nhng tб tham gia quan sr
40	amount of precipitation	nhng tб tham gia quan sr
41	annual variation	nhng tб tham gia quan sr
42	analysis	nhng tб tham gia quan sr
43	anchor work	nhng tб tham gia quan sr
44	anchorage	nhng tб tham gia quan sr
45	angle of attack	nhng tб tham gia quan sr
46	annular flow	nhng tб tham gia quan sr
47	anisotropy	nhng tб tham gia quan sr
48	annual amplitude of temperature change	nhng tб tham gia quan sr
49	annual ground surface	nhng tб tham gia quan sr
50	anticyclone	nhng tб tham gia quan sr
51	application	nhng tб tham gia quan sr
52	arch action	nhng tб tham gia quan sr

Translation)		
No.	English	Pakistani Urdu
1	arcade	centauri-e-band minha hadood Zankai-e-zaab
2	Karst basin-forming movement	Chittran
3	deformity by seism	Samai ikraj
4	desertification	Ujhana
5	acceleration response spectrum	Uzak-e-zab-e-paay
6	acceleration	Gourat-e-kat
7	accelerogram	Haqiqat-e-kat
8	accretion	Hajr-e-kat
9	acoustic emission	Mujami mosam
10	active fault	Shumary-e-kat
11	active measure/countermeasure act	Takat-e-kat
12	activity of hot spring	Barat-e-kat
13	adaptive change	Bashay-e-kat
14	adhesive	Bashay-e-kat
15	advection fog	Bashay-e-kat
16	advection	Bashay-e-kat
17	aeriel photograph	Bashay-e-kat
18	aerodynamic admittance	Bashay-e-kat
19	aerodynamic damping	Bashay-e-kat
20	aerodynamic force	Bashay-e-kat
21	aeronautical meteorology	Bashay-e-kat
22	aircraft	Bashay-e-kat
23	aggregation	Bashay-e-kat
24	air gun	Bashay-e-kat
25	air mass	Bashay-e-kat
26	air mass modification	Bashay-e-kat
27	air wave	Bashay-e-kat
28	aircraft accident	Bashay-e-kat
29	air phase	Bashay-e-kat
30	allowable bearing stress	Bashay-e-kat
31	allowable deflection	Bashay-e-kat
32	allowable settlement	Bashay-e-kat
33	allowable stress	Bashay-e-kat
34	allowable stress design method	Bashay-e-kat
35	allowial fan at cocaine foot	Bashay-e-kat
36	alluvium	Bashay-e-kat
37	Alpine-Himalayan	Bashay-e-kat
38	alteration	Bashay-e-kat
39	amendities	Bashay-e-kat
40	amount of precipitation	Bashay-e-kat
41	annual variation	Bashay-e-kat
42	analysis	Bashay-e-kat
43	anchor work	Bashay-e-kat
44	anchorage	Bashay-e-kat
45	angle of attack	Bashay-e-kat
46	annular flow	Bashay-e-kat
47	anisotropy	Bashay-e-kat
48	annual amplitude of temperature change	Bashay-e-kat
49	annual ground surface	Bashay-e-kat
50	anticyclone	Bashay-e-kat
51	application	Bashay-e-kat
52	arch action	Bashay-e-kat

Translated by Mr. Vu Thanh Lien

Multilanguage Dictionaries

Fig.2-4-4 Multilanguage Dictionaries

2-4-4. Our Newsletter: ADRC Highlights

ADRC has been using the Internet and e-mail to share information with its counterparts in member countries and with other interested parties. ADRC has also been publishing the newsletter "ADRC Highlights," one of its main tools for disseminating information, since 1 June 1999. It was issued twice a month until FY 2007, and has been issued once a month since FY 2008, when it underwent a redesign. The newsletter is posted on the ADRC website. English, Russian, and Japanese versions are also e-mailed to ADRC's counterparts and former visiting researchers, participants in past ADRC annual meetings, visitors to the ADRC, trainees in JICA training courses involving the ADRC, and participants in international conferences featuring presentations by ADRC representatives. The Japanese, English, and Russian versions had as many as 891, 2,325, and 169 subscribers, respectively, as of the end of February 2009.

The newsletter includes articles on ADRC's latest activities, reports on international conferences and other events attended by ADRC staff, as well as national reports by ADRC visiting researchers from member countries in the newsletter since FY 2008 and follows up on their efforts to promote disaster risk reduction in their home countries. This has helped further enhance the network of former visiting researchers from member countries.



Fig. 2-4-4-1 Redesigned ADRC Highlights

Vol.	Main Articles
181	<p>ADRC Welcomes New Members: Bhutan and Yemen ADRC Visiting Researcher Report: Mr. Zafar Taj from Pakistan JICA Training Course "Strengthening Disaster Management Capacity of Municipalities" Announcements (1) ADRC Website Relaunched (2) Personnel Change</p>
182	<p>ADRC Announces Inauguration of 4 Capacity-Building Projects in ASEAN Countries: Kick-off Seminar Held at 11th Meeting of the ASEAN Committee on Disaster Management Workshop on Disaster Risk Reduction in the Pacific Islands ADRC Staff Profile No. 29: Mr. Yoshihiro Imai, Senior Expert</p>
183	<p>Survey Report on the Sichuan Earthquake Cooperative Project with Thailand: Workshop on Strengthening the Capacity of Thailand's Tsunami Early Warning System ADRC Staff Profile No.30: Mr. Masato Ohori, Senior Researcher</p>
184	<p>First Joint Project Team Meeting for Sentinel Asia STEP-2 Held in Kobe ADRC Staff Profiles No. 31 & No. 32 (1) Mr. Masataka Onishi, Senior Administrative Manager (2) Mr. Naoki Yamaguchi, Senior Researcher Announcements: Personnel Change</p>
185	<p>The Second Year of the JICA Grassroots Technical Cooperation Project "NGO Training for Disaster Risk Reduction in Asia" was conducted in Kuala Lumpur ADRC Visiting Researcher Report: Mr. Vu Thanh Liem from Vietnam ADRC Staff Profile No. 33: Mr. Yoshiaki Ogane, Senior Researcher Announcements: ADRC's New Publication</p>
186	<p>Arab Red Crescent and Red Cross Organization Visit the ADRC ADRC Visiting Researcher Report: Mr. Shambhu Prasad Marasini from Nepal ADRC Staff Profile No. 34: Dr. Noburu Uchiyama, Senior Researcher</p>

187	First Regional Workshop on the Earthquake Risk Reduction and Recovery Preparedness Programme (ERRP) for South Asia Held in Kathmandu, Nepal ADRC Visiting Researcher (for ASEAN-GLIDE Project) Report: Mr. Prasong Thammapala from Thailand Announcements: Asian Conference on Disaster Reduction 2008
188	ASEAN Project: Capacity Building for Local Government Officials in Disaster Management ADRC Visiting Researcher (for ASEAN-GLIDE Project) Report (1) Ms. Amor Bantigue Rosana from the Philippines (2) Ms. Vimala Khounthalangsy from Lao PDR Announcements (1) Asian Conference on Disaster Reduction (ACDR) 2008 Draws to Successful Conclusion (2) The First World Landslide Forum
189	Asian Conference on Disaster Reduction 2008 a Great Success ADRC's Cooperative Project with Armenia ASEAN Project: Capacity Building for Local Government Officials in Disaster Management in Vietnam
190	Happy New Year 2009 Third Asian Ministerial Conference on Disaster Risk Reduction
191	Letter from a Former Visiting Researcher: Mr. Zafar Waqar Taj from Pakistan Publication of "Private Sector Activities in Disaster Risk Reduction: Good Practices and Lessons Learned" International Symposium "Cooperative Actions for Disaster Risk Reduction (CADRR)" to be Held 4-6 March 2009 New Web Address
192	ADRC Cooperative Project with Singapore: International Urban Search and Rescue Training Course ADRC Visiting Researcher Report: Mr. Muhammad Khalil Bin Ab Aziz from Malaysia

Table 2-4-4-1 Headlines from ADRC Highlights