
Fig.2-2-2-1 Snapshot of the Open Forum, Day 1

Fig.2-2-2-2 Snapshot of the Panel Discussion, Day 3

Table.2-2-2-1 Particiapnt list

| Country/Organization | Name | Title/Department |
|---|---|---|
| **Resource Persons** | | |
| ADRC | Mr Emmanuel de GUZMAN | Vice President Chief Executive Officer |
| ADRC | Mr. Anil K SINHA | Former Executive Director |
| **Resource Persons - Day 1** | | |
| Hyogo Prefectural Government | Mr. Yutaka KITABAYASHI | Director General of Disaster Management Bureau |
| UNDP Bangkok | Mr Thomas BRENNAN | Regional Disaster Reduction Advisor |
| Research Center for DRS, DPRI Kyoto University | Dr. Haruo HAYASHI | Professor |
| Research Center on Flood and Drought Disaster Reduction, China Institute of Water Resources and Hydropower Research | Mr. Hongtao WAN | Associate Professor |
| NHK | Mr. Noboru YAMAZAKI | Chief Commentator |
| Vietnam Red Cross | Mr Nguyen Hung HA | Program Officer Mangroves and Disaster Preparedness Officer |
| Institute of Industrial Science Tokyo University | Dr. Kimiro MEGURO | Institute of Industrial Science Tokyo University |
| UN/ISDR | Mr. Yuichi ONO | UN/ISDR |
| **Resource Persons - Day 2** | | |
| Dhaka Water Supply & Sewerage Authority | Mr A.N.H Akhtar HOSSAIN | Managing Director |
| Queensland Gov't (Australia) | Dr Holger MEINKE | Dept of Primary Industries |
| World Health Organization | Dr. Arturo M. PESIGAN | Technical Officer, Emergency and Humanitarian Action |
| FUNDESUMA | Ms. Ardi ARINEZ-VOETS | ConsultantHumanitarian Supply Management |
| ADPC | Mr. Aloysius J Rego | Director (Knowledge Sharing & Partnerships) and Co-Team Leader, Disaster Management System Team |
| USAID OFDA | Mr. Thomas DOLAN | Senior Regional Advisor |
| **Resource Persons - Day 3** | | |
| AM Kobe | Mr Hiroyuki SAEGUSA | |
| KBS Korea | Mr Yong-Seok KIM | Deputy Director<br>News & Current affairs dept |

| Resource Persons – Day 3 | | |
|---|---|---|
| Business Standard | Mr. Sunil JAIN | Contributing Editor |
| Ten Knots Development Corp. | Mr Alberto Aldaba LIM | President, Corporate Network for Disaster Response |
| Hindustan Construction Company LTD | Mr Pawan Devraj KANT | Executive Assistant |
| Japanese Red Cross Society | Mr. Naoki KOKAWA | Director, International Relief |
| National Society for EarthquakeTechnology-Nepal | Mr. Amod Mani DIXIT | Executive Director General Secretary |
| World Vision | Mr Dang Thanh SON | Team Leader |
| Maiko High School, Japan | Mr Seiji SUWA | |
| UNESCO | Mr Badaoui Michel ROUHBAN | Chief of Section, Disaster Reduction |
| | | |
| Armenia | Mr A. S. ANTONYAN | Armenian National Survey for Seismic Protection |
| Brunei | Mr. Hj Abd Wahab HASMEE | SO1 Plans, Operations and Planning, Ministry of Defence |
| Cambodia | Mr. Mam PONN | Department Director Ministry of Economic and Finance |
| | Mr. Ross SOVANN | Under Director General Advisor National Committee for Disaster Management |
| China | Mr Li Bao JUN | Deputy Director, Disaster Situation Information Management Ministry of Civil Affairs |
| Indonesia | Mr Sugeng TRIUTOMO | Director, Disaster Mitigation BAKORNAS PBP |
| | Dr. Dwikorita KARNAWATI | Dept of Geological Engineering Gadjah Mada University |
| Japan | Mr. Katsuhiko HARA | Director, Disaster Preparedness Cabinet Office, Gov't of JAPAN |
| | Mr Masaaki NAKAGAWA | Deputy Director, Disaster Preparedness, Cabinet Office |
| | Mr. Hidekazu MORIYASU | Deputy Director, Disaster Preparedness, Cabinet Office |
| Korea | Mr. Yun Tae KIM | Senior Researcher, Urban Stormwater Prevention, National Institute for Disaster Prevention |
| Laos | Ms. Bousay THAMMASACK | Community Base Disaster Management Project, NDMO Ministry of Labour and Social Welfare |
| | Mr. Bounheng AMPHAVANH | Community Base Disaster Management Project, Dept of Agriculture Foresting |

| | | |
|---|---|---|
| Malaysia | Mr. Yahaya UDIN | Director, National Security Division Prime Minister's Dept Division for National Security LG & G |
| | Mr Hosni Bin BARDAN | Deputy Director General, Dept of Irrigation and Drainage. |
| Mongolia | Mr. Ykhanbai HIJABA | Director, Strategic Management and Planning Dept.Ministry of Nature and Environment |
| Myanmar | Mr Maung Maung Khin | Deputy Director, Relief and Resettlement Dept office of Minister |
| | Mr. Thaung ZIN | Principal, Central Fire Services Training School, Fire Services Department (H.Q), |
| Nepal | Mr. Tek Veer Jang RAYAMAJHI | Section Officer, Ministry of Home Affairs |
| | Mr. Jeevan Lal SHRESTHA | Chief, Landslide Component Department of Water Induced Disaster Prevention (DWIDP) |
| Philippines | Ms.Carmenicita N DELANTAR | Director IV, Regional Operations and Coordination Service, Dept. of Budget and Management |
| | Mr. Tomas Manabit ORTEGA | Officer-in-chargeOffice of Civil Defense |
| Singapore | Mr. Wong Soon Lee | Senior Executive, Ops Plans and Training, Ministry of Health |
| | Mr Seow Kok Piat, Albert | Assistant Director Operations Dept (Plans & Policies) Singapore Civil Defence Force |
| Sri Lanka | Mr.Udaya KUMARA BANDARA | Deputy Director,Dept. of Social Services, Ministry of Social Welfare |
| Tajikistan | Mr Abdurahim RADJABOV | First Deputy-Minister, Major-Gen Ministry of Emergency Situations and Civil Defense |
| | Ms. Ekaterina A. KLIMENKO | Specialist, Information Center Ministry of Emergency Situations and Civil Defense |
| Thailand | Mr. Banchongsak PANTHONG | Director, Disaster Prevention and Mitigation Policy Bureau, Dept of Disaster Prevention and Mitigation (DPM), Ministry of Interior |
| | Ms. Sotharat INSAWANG | Meteorologist, Meteorological Dept. |
| Uzbekistan | Mr. Marat A. IKRAMOV | Head, Monitoring of Emergencies and Forecasting Center Ministry of Emergencies |
| Vietnam | Mr. Le Xuan TRUONG | Deputy Director, Dept. of Dike Management and Flood Control Disaster Management Center |
| | Mr. Nguyen Viet THI | Hydrological Forecasting, National Center of Hydro-Meteorology |

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|---|---|---|
| **NGO Meeting** | | |
| Sarvodaya Shramadana Movement | Mr. Jayakodige Don GUNASENA | Senior ExecutiveInternational Unit |
| Singapore International Foundation | Ms. Mui Ngah LEE | Director, Singapore Volunteers Overseas Programme |
| Philippines Rural Reconstruction Movement | Mr Wigberto Ebarle TANADA | President |
| MERCY Malaysia | Dr Jemilah MAHMOOD | President |
| Yokohama YMCA | Mr Hiroshi OE | Chief Director Global & Local Community Services |
| SEEDS India | Mr. Manu GUPTA | Director |
| **Caucasus and Central Asia Meeting** | | |
| Armenia | Ms. Janna G. HOVHANNISYAN | President, Srunik Int'l Programs Support Center |
| Azerbaijan | Mr. Elchin RAHBARLI | Senior Advisor, Cabinet of Ministers |
| Georgia | Prof. Tamaz CHELIDZE | Director, Institute of Geophysics |
| JICA | Mr. Takashi ITO | Director, Programme Division JICA Hyogo Center |
| | Ms. Mayumi SAKAMOTO | Training Officer, Programme Division, JICA Hyogo Center |

# 2-3. ADRC's Network of Information on Natural Disasters and Disaster Management

## 2-3-1. ADRC Network Configuration and Information Hardware

Figure.2-3-1-1 shows the configuration and information hardware of ADRC. The ADRC Network is wired to the Internet via a "B Flet's" Business Type access line provided by NTT West at a best effort speed of 100 Mbps. Despite the rapid spread of ADSL services, ADRC does not use ADSL connections because the asymmetry in the uploading and downloading rates is not appropriate for ADRC to transmit information via servers.

ADRC will seek better networking solutions and switch to most rapid and cost-effective options at their earliest availability, in order to construct an easy-to-access information platform for providing rich and diverse contents including still images and videos.

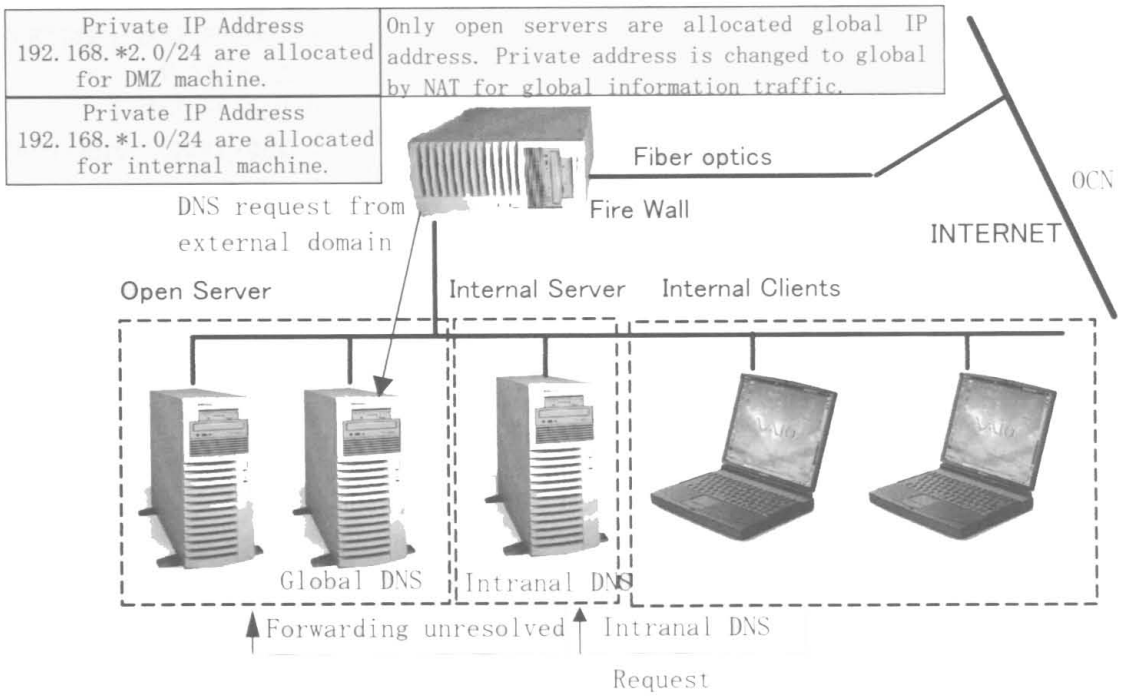


Fig.2-3-1-1 ADRC Network Configuration and Information Hardware

Out of security considerations, ADRC has a firewall installed as a partition between the internal and external networks. The firewall is under 24-hour monitoring to check unauthorized access and unusually large volumes of access. The internal network is further divided into DMZ (DeMilitarized Zone) and LAN networks. The DMZ network consists of web, mail, and DNS servers, while the LAN network consists of client machines for individual researchers and different types of servers for internal use. All the machines connected to the DMZ and LAN are assigned private IP addresses valid only inside the Center. When an attempt is made to access a server in the DMZ from outside, the address conversion function built in the firewall converts the global IP address to the private address of the server to accept the access request. In addition to the conversion of the global IP address to a private IP address, the firewall routes packets according to rules that take into account the protocols and the source and destination of the packets. Thus, the firewall screens all the inbound and outbound traffic, minutely restricting access to internal servers as well as monitoring unauthorized access attempts.

In addition to the security against unauthorized access, host-controlled anti-virus software resides on every server and client machine to protect them from electronic viruses and worms, which are increasingly causing serious problems around the world. Furthermore, to block viruses that spread via the Internet and may pass through the

firewall into the intranet, a server dedicated to real-time virus detection and destruction is installed on the Internet gateway to block viruses attached to mail, access to virus-infected websites, and the risk of spreading viruses.

Moreover, to cope with the recent increase in unauthorized access and worm viruses, the Infiltration Detection System (IDS) has been installed along with the ongoing replacement of the Windows-based server operating system with Unix-based one.

Peripheral equipment installed includes backup storage devices such as CD-R, MO, DVD-R and DAT drives, printing devices such as black-and-white and color laser printers, raster image-scanning units such as flat-head and film scanners.

## 2-3-2. ADRC's Website

As shown in Fig.2-3-2-1, ADRC's website (URL http://www.adrc.or.jp/) consists of the following 13 databases plus access to VENTEN, ADRC's internet-based GIS (URL http://venten.www.adrc.or.jp/): Latest Disaster Information, Multi-lingual Glossary on Natural Disasters, Training Information Database, ADRC E-Net (ADRC Expert Network), Conference and Disaster Studies, Internet Exhibition, Disaster Information from Member Countries, ADRC Highlights, Disaster Reports from Member Countries, ADRRN (Asian Disaster Reduction and Response Network), Archives, The Great Hanshin-Awaji Earthquake Database, and Center Information.

There are also pages introducing U.N. International Strategies for Disaster Reduction. In addition, GLIDEnumber.net (URL http://glidenumber.net/) -a disaster information generation and search site using GLIDE (GLobal unique disaster IDEntifier number) - and Suffered Area Image Information systems are now in the pilot rollout phase.

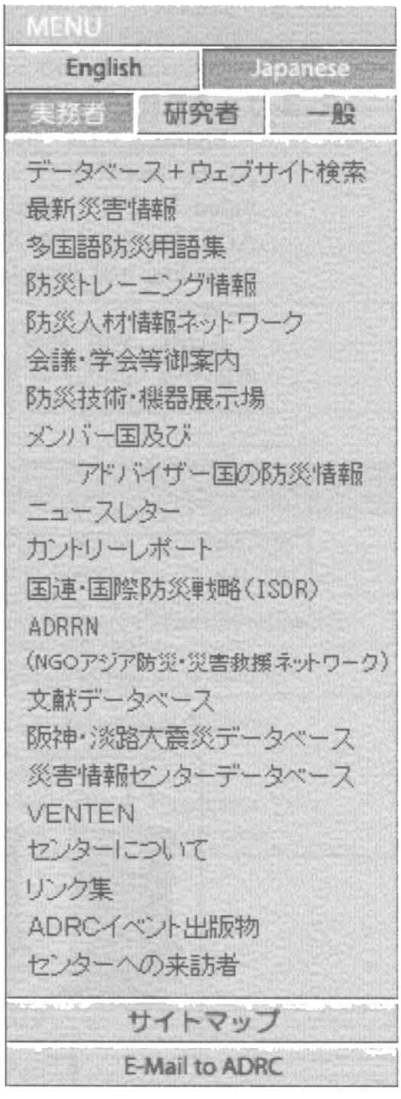


Fig.2-3-2-1 ADRC HP Menu

As shown by Fig.2-3-2-2, these disaster reduction-related data are stored in their corresponding databases. When there is an access request from the Internet, the information is retrieved from the corresponding database and sent to the user in a hypertext format based on instructions for determining display coloring and layouts. Separate storage of the content data in the database from the layout instruction data frees administrators of complicated layout settings and allows easy layout change in batch to keep pace with user needs and technological innovation. This way of databases management makes it possible to provide users with two ways of information access (by content or by country) as well as a directory that further facilitates access.

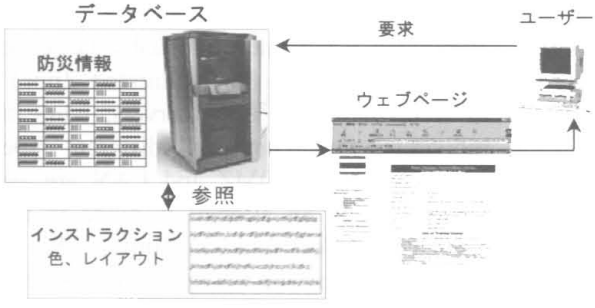


Fig.2-3-2-2 Linked Database-driven Website

To help understand how to access the information stored in the databases, let us take