

## 3-6. Exhibition of Disaster Reduction Technologies

### 3-6-1. Need for Disaster Reduction Database

Disaster reduction technologies are broad-ranging. There are numerous technologies and equipment available, and these include jacks for rescuing lives from damaged buildings, fixtures to prevent furniture from tumbling, temporary toilets at shelters, water purification devices for drinking water, machinery and equipment such as earthquake-absorbing devices at buildings, satellite communication systems and disaster reduction GIS for damage control, damage estimation system, forecast technologies, etc.

On the other hand, these technologies and equipment are not easy to develop because of their restricted purpose, but still they are useful for enhancing the disaster reduction ability of the whole society. For this reason, it is important to broaden the market by having as many people as possible from local public corporations, private companies, NGO's, and general households, etc. know about these technologies and equipment. In order to appeal these technologies and equipment, exhibitions on disaster reduction technologies and equipment have been held several times in Tokyo and Kobe since the Great Hanshin-Awaji Earthquake. However, these events are held only for a few days every year, their effects are limited only to visitors, and not many disaster reduction related people in remote areas get the chance to know about such events.

According to the number of visitors in Table 1, it may seem that many people visit the exhibitions. However because this figure includes the number of visitors to fire defense events and symposiums, only several percent of the visitors in Table 1 actually attended disaster reduction technologies and equipment exhibitions.

Table 3-6-1 Outline of Disaster Related Exhibitions

Place	Exhibition	Time	No. of Visitors	No. of Exhibiting Companies	No. of Booths
Tokyo	Tokyo International Fire Prevention and Disaster Reduction Exhibition	1994.10.13 ~ 10.16	189,365	328	1,105
		1998.6.4 ~ 6.9	214,064	260	1,380
	People's Disaster Reduction Fair	1996.4.25 ~ 4.28	15,179	75	200
		1997.4.23 ~ 4.27	194,199*	46	100
	Disaster Relief Fair 2000	2000.4.20 ~ 4.23	51,668	70	900
Kobe	1 <sup>st</sup> Earthquake Disaster Management Technologies Exhibition 1997	1997.1.16 ~ 1.17	4,264	130	230
	2 <sup>nd</sup> Exhibition 1998	1998.1.13 ~ 1.14	3,220	115	215
	3 <sup>rd</sup> Exhibition 1999	1999.1.13 ~ 1.14	3,830	120	135
	4 <sup>th</sup> Exhibition 2000	2000.1.27 ~ 1.28	3,479	59	81

\*Counted with the visitors to the Good Living Show held together.

### 3-6-2. Disaster Reduction Technology Internet Virtual Exhibition

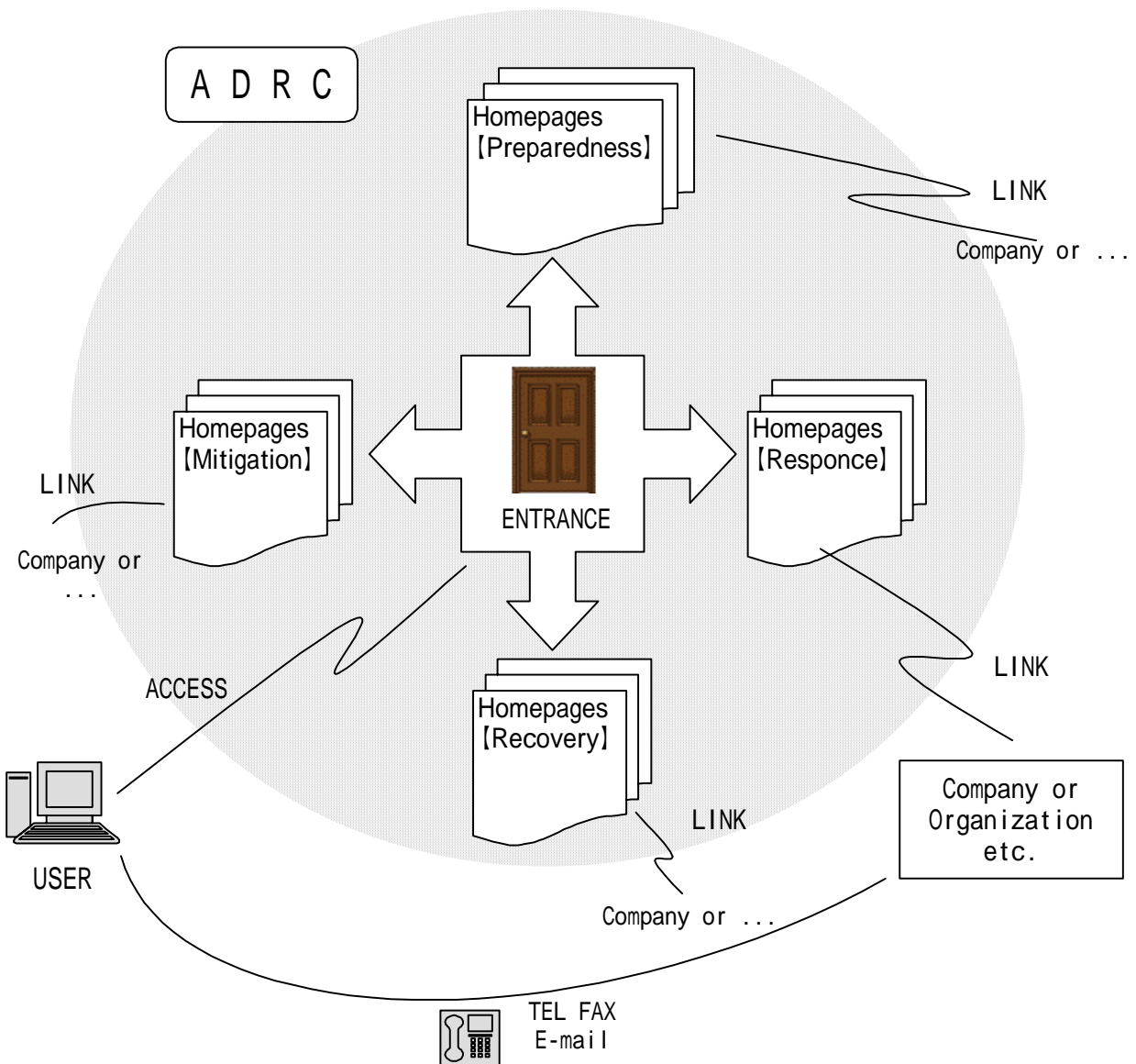
Since January 17, 2001, the ADRC has been holding a virtual exhibition of disaster reduction technologies available anytime on the Internet.

The entrance of the exhibition hall is located in the ADRC website. Visitors can select areas of interest from a menu to read about corresponding technologies and equipment. If more detailed information is required, they can refer to the homepages of organizations offering the disaster reduction technologies or equipment, and contact them by e-mail, phone, or fax.

The ADRC holds such virtual exhibitions in the aim to introduce disaster reduction technologies and equipment in the same way as actual exhibitions and spread and support these technologies and equipment. English version pages on technologies and equipment are also updated whenever required to spread the disaster reduction technology and equipment market to Asia and the world instead of limiting it to Japan only.

However many of the organizations and companies developing the disaster reduction technologies and equipment do not necessary have their own homepages. Even if they do, most are only in Japanese. By providing the human resources of the ADRC and facilitating information services with the use of a standard homepage design and handling of the English translation of introductory text at the ADRC, 185 items from 47 companies are currently exhibiting at the virtual exhibition as of the end of March 2001. Figure 3-6-2 Internet Virtual Exhibition Hall Network

### ADRC Disaster Technique Products Exhibition on the Internet Website



### 3-6-3. Classifications of Disaster Reduction Technologies

The thesaurus of the database was classified by disaster stage, technology, and equipment.

Table 3-6-3 Structure of Database

Stage	Technology	Equipment
Mitigation	Earthquake-resistance technology, quake-absorbing technology Earthquake-resistance evaluation	Fixtures Emergency shut off systems
Prepared	Disaster reduction plans, damage estimation and forecast Training support	Various stocks
Response	Monitoring of disaster state Communication network	Rescue and relief Fire extinguishing
Recovery	Recovery support system	Remote control robot Life support

In order to realize a substantial database, the cooperation of organizations and companies with disaster reduction technologies is indispensable, and it is important to continue appealing for extensive participation in the future.