

The World Bank Public Seminar on Disaster Reduction

5 February 2008

*Promoting disaster reduction through
multi-national / multi-sectoral /
multi-lateral cooperation
-- Kobe-Hyogo as a Hub for Disaster Reduction --*



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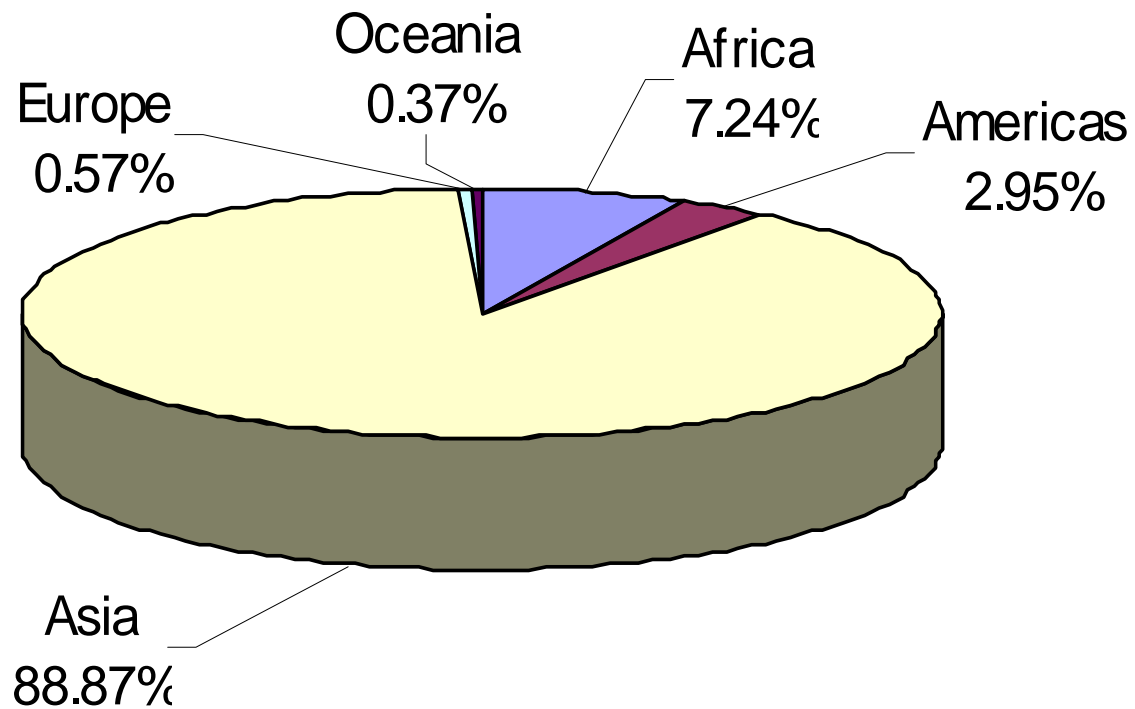
Asian Disaster Reduction Center (ADRC)

<http://www.adrc.or.jp>



Total Number of People Affected by Region (1975-2005)

Number of Total Affected People
(World/ Region) (1975- 2005)



NB 1. Source: CRED EM-DAT

2. Affected People include killed, missing, injured, as well as the people who lost their houses.



Economic Loss by Natural Disasters in Asia (1960 - 2004)

Country	Year	Disaster Type	Damage (MnUSD)	GDP (MnUSD)	Damage /GDP
Armenia	1988	Earthquake	20,500	2,257	908%
Mongolia	1996	Forest fire	1,713	893	192%
Mongolia	2000	Cold wave	875	907	96%
Maldives	2004	Tsunami	470	753	62%
Lao PDR	1992	Typhoon	302	1,128	27%
Nepal	1987	Flood	728	2,851	26%
Georgia	1990	Earthquake	1,700	7,738	22%

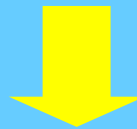
Note 1. Source: CRED EM-DAT

2. GDP shown is that of the year of the disaster. Armenia's GDP is of 1990.

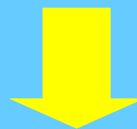


Necessity of Disaster Reduction

- **A single disaster can wipe out annual GDP of a country, social/economic stability and national security**
- **Disaster can be the biggest obstacle to social security of a country**



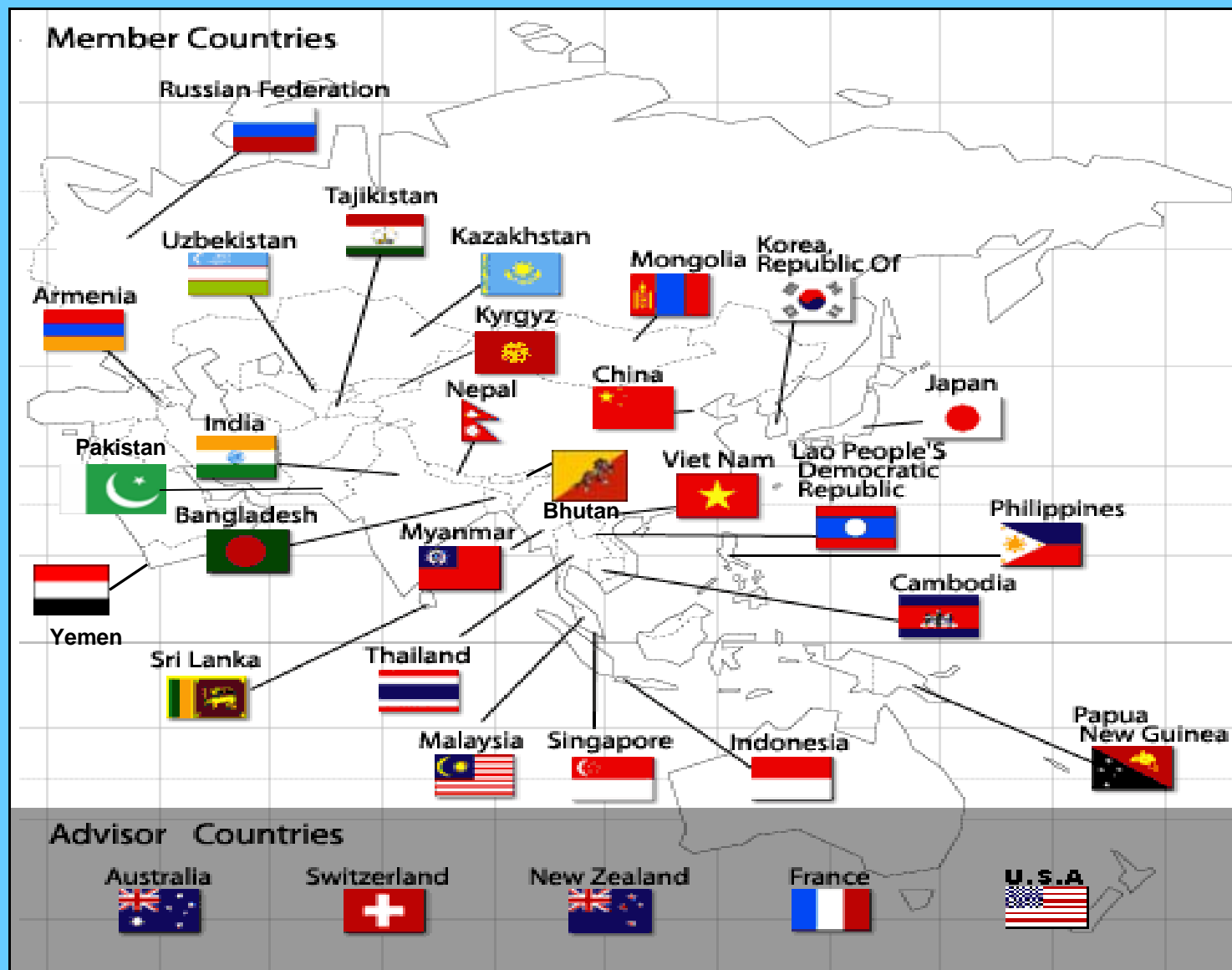
Disaster Reduction is a **MUST for Achieving Sustainable Development!!**



**Investment for Disaster Reduction
= Investment for Development**



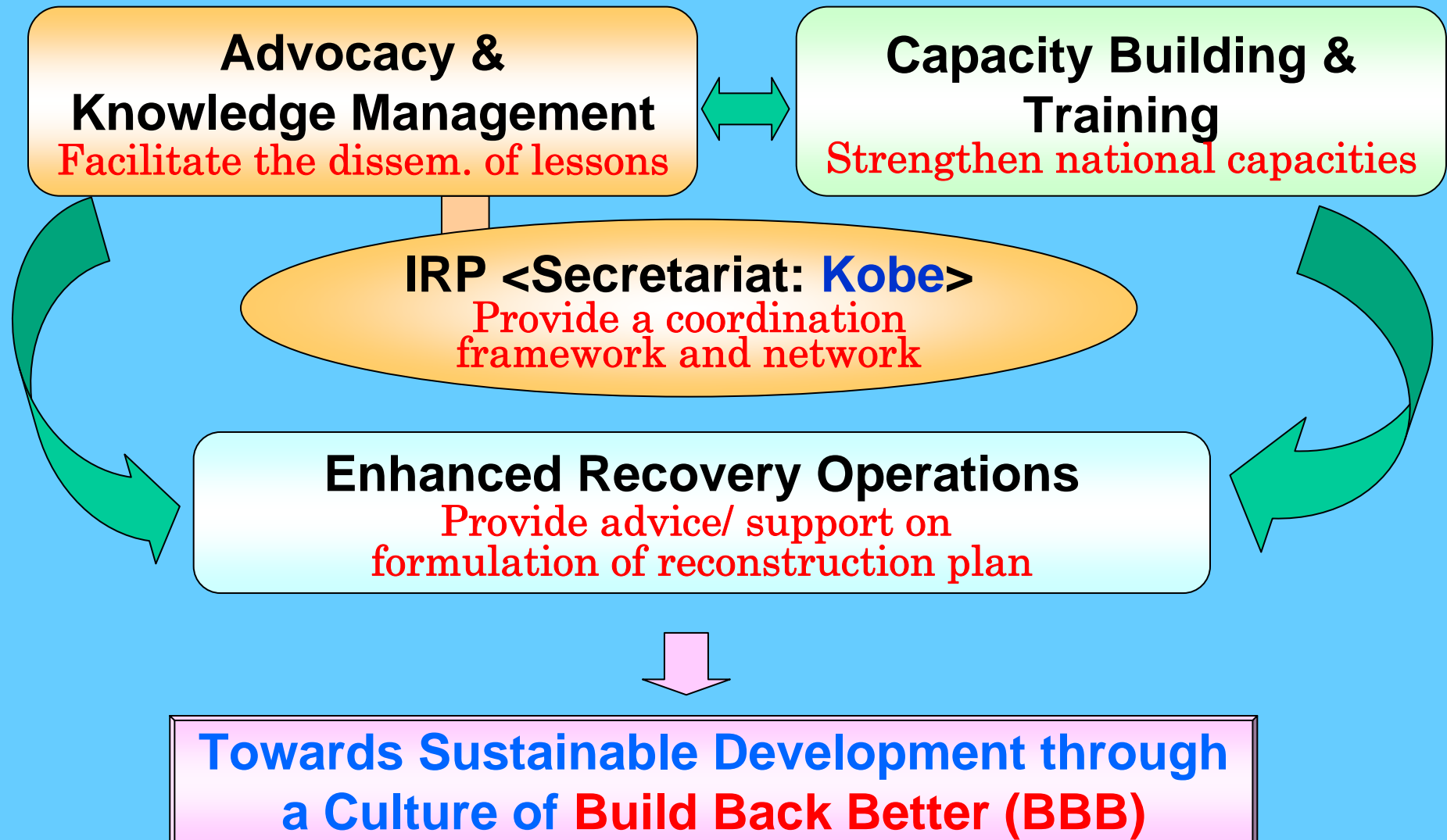
Asian Disaster Reduction Center



27 Member Countries, 5 Advisor Countries, 1 Observer Organization



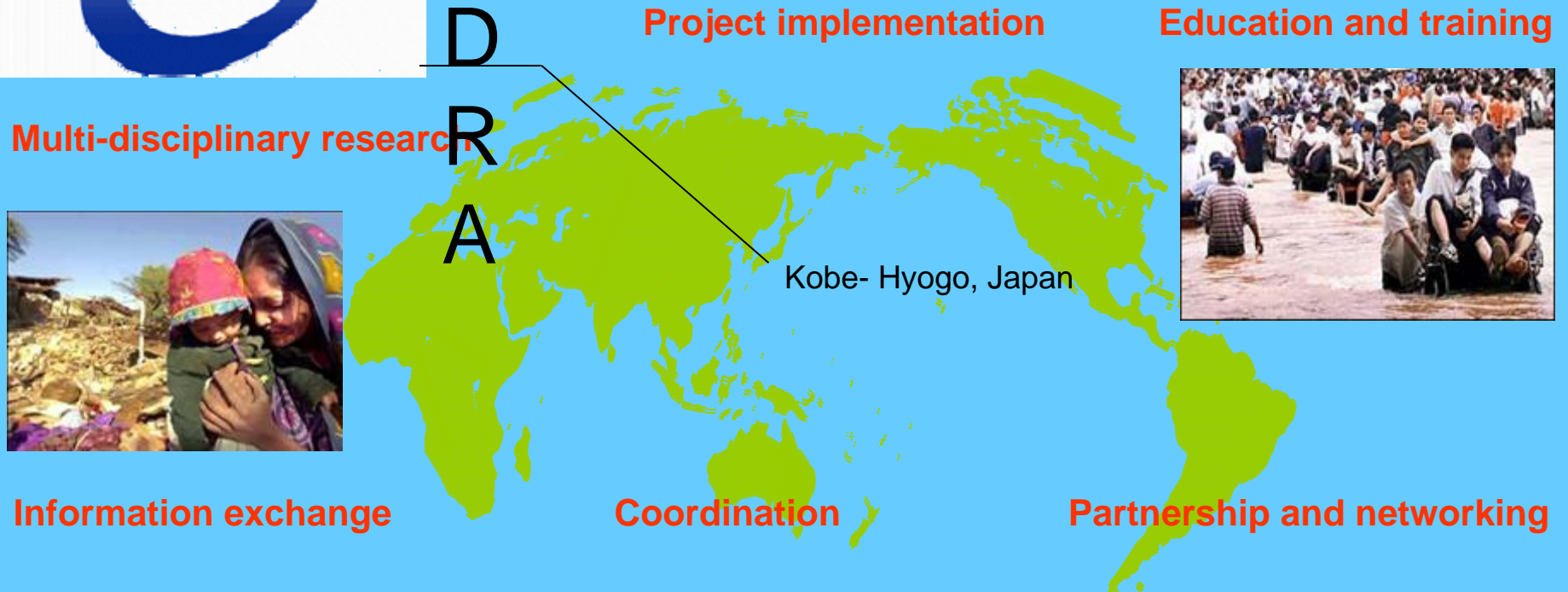
IRP and its Focus Areas of Work





Disaster Reduction Alliance (DRA)

...towards an intellectual hub for disaster reduction



The Disaster Reduction Alliance (DRA) was established in October, 2002, aiming at promoting organized operation among the disaster related organizations situated in HAT Kobe (New Eastern City Center) to the best of their functions. As of October 2007, 17 organizations are listed as principal members along with 7 observer organizations.

[Secretariat: Disaster Reduction and Human Renovation Institution (DRI)]



Disaster Reduction Alliance

...towards an intellectual hub

The Disaster Reduction Alliance (DRA) was established in October, 2002, aiming at promoting organized operation among the disaster related organizations situated in HAT Kobe (New Eastern City Center) to the best of their functions.

Project implementation

Multi-disciplinary research

Information exchange

Education and training

Partnership and networking

Coordination

Kobe, Japan

Members

- Asian Disaster Reduction Center (ADRC)
- The Asia-Pacific Network for Global Change Research (APN)
- Disaster Reduction and Human Renovation Institution (DRI)
- National research Institute for Earth science and Disaster prevention (NIED) / Earthquake Disaster Mitigation research center (EDM)
- Hyogo Earthquake Engineering Research Center
- Hyogo Earthquake Memorial 21st Century Research Institute
- Hyogo Emergency Medical Center
- Hyogo Institute for Traumatic Stress

Disaster Reduction Alliance Member Organizations



Asian Disaster Reduction Center

The Asian Disaster Reduction Center (ADRC) was established in July 1999, with a mandate to facilitate multinational cooperation for disaster reduction in the Asian region. Along with 25 member countries, ADRC pursues activities leading to further property and safe, peaceful, and comfortable lives in Asia.
URL: <http://www.adrc.or.jp/>

APN The Asia-Pacific Network for Global Change Research

The Asia-Pacific Network for Global Change Research (APN) is an inter-governmental network whose mission is to foster global change research in the Asia-Pacific region, increase developing country participation in that research, and strengthen interactions between the science community and policy makers. In order to achieve its goals the APN conducts a number of different activities that include supporting collaborative research and training activities, organizing working workshops to develop new research projects, disseminating global change information to scientists and policy makers and providing opportunities for scientists and policy makers to discuss regional research priorities and other global change issues.
URL: <http://www.apn-gcr.org/>



Disaster Reduction and Human Renovation Institute

DRH was established in order to pass on the experiences and lessons from the Great Hanshin-Awaji Earthquake to the future, and contribute to disaster loss reduction, by disseminating the knowledge and technology of it.
URL: <http://www.drh.nu.jp/>



The National research Institute for Earth science and Disaster prevention Earthquake Disaster Mitigation Research Center

Earthquake Disaster Mitigation Research Center (EDMC) was established in January 1996 as the core promoter for the "Frontier Research on Earthquake Disaster Mitigation for Urban Regions" adopted by the Ministry of Education, Culture, Sports, Science and Technology of Japanese Government. Current Frontier Research consists of three goals: earthquake-resistant and resilient medical systems, IT-based post-disaster management systems, and international dissemination base for disaster reduction technologies.
URL: <http://www.edmc.bousai.go.jp/>



Hyogo Earthquake Engineering Research Center

The Hyogo Earthquake Engineering Research Center was established on October, 2001, to manage research projects using the 3-D full-scale earthquake testing facility (E-Defense) and to operate and maintain the facility. E-Defense has the unique capacity to experiment with life-size buildings and infrastructural systems in real earthquake conditions, and stands as a tool of ultimate verification. With this feature, E-Defense should help expedite the transfer of various research outputs into the practice of earthquake disaster mitigation.
URL: <http://www.bousai.go.jp/hyogohrc/edc.html>



Hyogo Earthquake Memorial 21st Century Research Institute

Through the experiences of the Great Hanshin-Awaji Earthquake, we research "development of a safe and secure community" and "revival of the societal society": the subjects of the modern civilization. And we perform the policy proposal about the value judgement or the realization policy about various subjects in modern society, and we develop many projects such as Communicating our earthquake experiences and lessons learned to the people around the world, (Intellectual exchange of the researcher, governmental agency and research institution, and CI general training).
URL: <http://www.hemrc1.jp/>



Hyogo Emergency Medical Center

Hyogo Emergency Medical Center was developed based on the lessons learned from the Great Hanshin-Awaji earthquake, which claimed more than 4,300 lives of the people in 1995. This was established as the core facility of the Disaster Emergency Medical System of Hyogo Prefecture, and is the first of its kind founded by a municipality in Japan. This Medical Center provides 24-hour emergency medical care as a Critical Care Medical Center and also works as an information center of emergency and disaster medical care. In addition, this center provides training programs on disaster management for disaster medical coordinators, doctors, nurses, EMTs, pharmacists and other medical personnel.
URL: <http://www.hemcc.jp/>

Hyogo Institute for Traumatic Stress

It is a special society where events such as disasters, accidents, crimes, child abuse take place, mental health care for traumatized people has been called for by the public. Since the Great Hanshin-Awaji Earthquake in 1995, Hyogo prefecture has been addressing issues with regard to trauma and PTSD among victims of disasters and crimes. For those reasons, Hyogo Institute for Traumatic Stress was established. It is the first institute for traumatic stress in Japan which has various functions: research, training, information provision/public education, liaison/networking, consulting and counseling.
URL: <http://www.j-tis.org/>



International EMECS Center

In many parts of the world there are bodies of water that are almost entirely enclosed by land. These bodies of water are called enclosed coastal seas. As they are vulnerable to pollution because of the land-seawater circulation, special attention has been needed. Based on this awareness, in 1996, the first International Conference on the Environmental Management of Enclosed Coastal Seas (EMECS'96) was held in Kobe, Japan. Additionally, the International EMECS Center was established in November 1999. It is an international organization for the research and the technology exchange studies of the coastal seas and the comprehensive utilization of the environmental management coastal seas throughout the world.
URL: <http://www.emecs.or.jp/>



IGES Institute of Global Environmental Strategies

With "Industry and The Environment" as the theme of its research, IGES Kansai Research Center develops innovative policy instruments for the realization of sustainable development in the Asia-Pacific region, and conducts applied and practice research into formulating environmental strategies. As a new (Joint) Center for activities in the Kansai region/the area which includes Kobe, Osaka and Kyoto, IGES Kansai Research Center conducts research, cooperating with universities, research institutes, private companies and government-related organizations in the region.
URL: <http://www.iges.or.jp/>



International Recovery Platform

International Recovery Platform (IRP) was launched in May 2001 with the support and encouragement of UNEP, UN/OCHA, UN/ISDR, the Government of Japan, Hyogo Prefecture Government, ADRRC, and others. Main aim of IRP is to act as a global knowledge repository with focus on recovery and to disseminate the lessons learned and good practices for recovery from natural disasters such as the Great Hanshin-Awaji earthquake, to provide advice and support to countries on their post-disaster recovery planning and implementation including training and capacity development activities.
URL: <http://www.recoveryplatform.org/>



JICA Japan International Cooperation Agency

As an executive agency for Official Development Assistance (ODA) in developing countries, JICA intends to convey Japan's expertise and technology mainly in form of dispatching Japanese experts and providing foreign training. Conveying necessary equipment with these human resources, JICA implements projects that can support and facilitate the sustainable development of countries. Besides, JICA carries out Japan Overseas Senior/Young Volunteers program and disaster relief activities.
URL: <http://www.jica.go.jp/>



Japan Red Cross Society Hyogo Prefectural Chapter

Japanese Red Cross Society (JRC) provides humanitarian relief operations in cooperation with National Red Cross Society of the world for those who suffer from conflicts, disasters, diseases and so on. Within the country JRC conducts wide range of activities such as disaster operations, nursing education, Junior Red Cross and Red Cross volunteers relief operations, medical services, blood program, social welfare, and Cross makes various efforts to support people living under war and disaster situations "to the best of its human manner" and "to maintain peaceful and healthy life". All through the ages as long as there are suffering people in the world JRC acts in the name of humanity to achieve global peace and kindle a light of hope in their heart.
URL: <http://www.hyogojrc.or.jp/>



Kobe Marine Observatory

Kobe Marine Observatory, observing natural disasters, such as heavy rain, storm, earthquake, tsunami, and volcanic activity, announces and offers these kinds of information. These information include disaster reduction information for protecting a life and property from disasters, and for traffic safety, industry, a life, or entertainment. Offering these information for the disaster prevention agency, prefecture, municipalities, and the press, we take an important role for disaster prevention and mitigation, improved in the convenience of the people's life, and governmental provision.
URL: <http://www.kcmo-jma.go.jp/>



United Nations Centre for Regional Development, Disaster Management Planning Hyogo Office

The United Nations Centre for Regional Development (UNCRD) was established in Nagoya, Japan in 1971, aiming to strengthen and improve the capabilities of regional development and promote cooperation in development countries and joint four responsibilities: Training, Research, Advisory Services, and Information Dissemination. In April 1996, the UNCRD Disaster Management Planning Hyogo Office was established in Kobe, Hyogo Prefecture, to disseminate the lessons from the Great Hanshin-Awaji Earthquake disaster in 1995.
URL: <http://www.hyogouncrd.or.jp/>



United Nations Office for the Coordination of Humanitarian Affairs Kobe

The United Nations Office for the Coordination of Humanitarian Affairs (OCHA) coordinates humanitarian assistance in partnership with national and international organizations for effective humanitarian actions. OCHA Kobe operates KOBEPH/IRP, the world's leading on-line gateway to information on humanitarian emergencies and disasters.
URL: <http://www.ocha-japan.org/>



World Health Organization Centre for Health Development (WHO Kobe Centre)

The WHO Centre for Health Development, which began its operations in the city of Kobe, Hyogo Prefecture, Japan in 1996, is a global and interdisciplinary research arm of the World Health Organization and is trained with addressing major challenges to health and development in the 21st century. With its vision of "building people's healthier environments", a major role of the WHO Kobe Centre is to develop and coordinate international collaborative research as well as to nurture partnerships/global networks. Urbanization is today a key driver of health outcomes worldwide, and the Centre's research is currently focused on studying of social determinants of health and research on WQOL in urban settings.
URL: <http://www.who.or.jp/>

-International EMECS Center

-Institute of Global Environmental Strategies (IGES)

-International Recovery Platform (IRP)

-Japan International Cooperation Agency (JICA)

-Japan Red Cross Society Hyogo Prefectural Chapter

-Kobe Marine Observatory

-UNCRD / Disaster Management Planning Hyogo Office

-UN Office for the Coordination of Humanitarian Affairs Kobe (UN/OCHA Kobe)

-World Health Organization Centre for Health Development (WHO Kobe Centre)

-UN/ISDR Hyogo Office will become a member in April 2008

An aerial photograph of a modern city skyline along a waterfront. The foreground shows a body of water with a wake from a boat. The middle ground features several modern buildings, including a prominent glass-fronted structure and a building with a curved facade. The background consists of a range of green mountains under a blue sky with scattered clouds.

Thank You For Your Attention