



ADRC Highlights

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➤ VENTEN as Internet GIS System

VENTEN(Vehicle through Electronic Network of disaster Geographical information) is Internet GIS for Disaster Information Management. The name of VENTEN is from Asian female God who administrates Music, Utterance, Intelligence, Long Life, and Disaster Reduction.



VENTEN provides a system and basic geographical data as a platform to develop for wider purpose so that will be useful for end user .

For the development of GIS system, we usually needs the following steps:

- 1) To buy the Map/ Satellite Data
- 2) To select and to buy a GIS Software
- 3) To know how to analyze the data by using the software
- 4) To give the final output that will be used by the end user

But, for most of developing countries, at least one of the above steps is the hurdle for the development of GIS system. The ideal way is that the user can access the GIS system including the data provided from any place by using inexpensive equipment.

For this purpose, ADRC has developed the Internet based GIS System for Disaster Management with assistance of JST(Japan Science and Technology Corporation). This system is the platform of all kinds of data. VENTEN consists of Web Server, GIS Server and Database Server. Because of the characteristic of Internet, user is able to operate GIS system with its data remotely and easily without any expensive tools.

At present, VENTEN has been developed to provide

- 1) a system (with its GIS function)
 - i) Zooming, Buffering
 - ii) Overlaying
 - iii) Building Graphs
 - iv) Searching Disaster Data

- v) Calculating Shortest Route
- 2) data itself. As a system
- i) Basic Geographical Data
(22 Asian Countries in scale of 1/1 mill.)
National Boundary(Area), Drainage(Line, Area), Railroad(Line), Road(Line), Airport(Point), Name of city(Point), Population(Number), Relief Image, Elevation Image
 - ii) Disaster Data Information

➤ Recent Natural Disasters

□ Flood in India

In response to extensive flooding in North East India, the International Federation of Red Cross and Red Crescent Societies today launched a request for assistance for 6 million Swiss francs.

Funds raised will be used to provide 200,000 flood victims with food items such as rice as well as water purification tablets and blankets.

They have been without food or even the most rudimentary medical care for the past week in the stricken area. If aid doesn't reach them soon, we may begin to see serious malnutrition and waterborne diseases.

But, rescue mission is in difficulties and can't access the worst affected villages yet because of the damage of the roads and bridges due to the flood and the landslide. (8/12 IFRC)

□ Flood in Bhutan

A flood and a landslide appeared along the Bhutanese southern part, the border with India.

Phuentsholing and Pasakha are the worst affected towns.

This flood is the worst disaster in history of Bhutan. During the last decades, the only recorded major disasters occurred in 1994, when the country experienced a devastating cyclone in May, and floods in October.

Dividing of the road network, suspension of water supply are big problems, and more than thousand people have been left homeless and are in temporary shelters. (8/11 OCHA)

□ Drought in Central and South Asia (Follow-up)

It is continued from the report of Vol.5, and the conditions of the drought of Central and West Asia is serious. In Uzbekistan, it influenced 15million people of Aral sea basin. The Government has requested the UN assistance in developing an urgent aid programme aimed at mitigating the consequences of the drought. (8/11 OCHA)

If you have comments or needs for this Newsletter, please write to ADRC in the right box.

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