

Experience of SADKN and Geo-referenced information system in SAARC region

Regional workshop: Geo referenced Disaster
Risk management Information system in
South and Central Asia
10 July 2012

South Asian Disaster Knowledge Network (SADKN)

Virtual network of networks envisaged to provide a common platform to create, learn, organize, share, use and reuse knowledge related to disaster management.

SADKN vision

- n create an one stop source of information on disaster management in SAARC
- n create a network of government, research/ academic institutions, non-government organizations, in SAARC on disaster management
- n provide immediate access to documented and published information contributed by the networking organizations in the field of disaster management
- n provide an organized collaborative Knowledge base (K-base) to organize and locate information easily
- n establish an environment, which will encourage people of SAARC to create, learn, organize, share and reuse knowledge

Geo referenced data in SADKN

SADKN uses geo referred data sets on:

Real time data display on Earthquake (United States Geological Survey -USGS), Flood (Dartmouth), Cyclones- Indian Met Department (IMD)

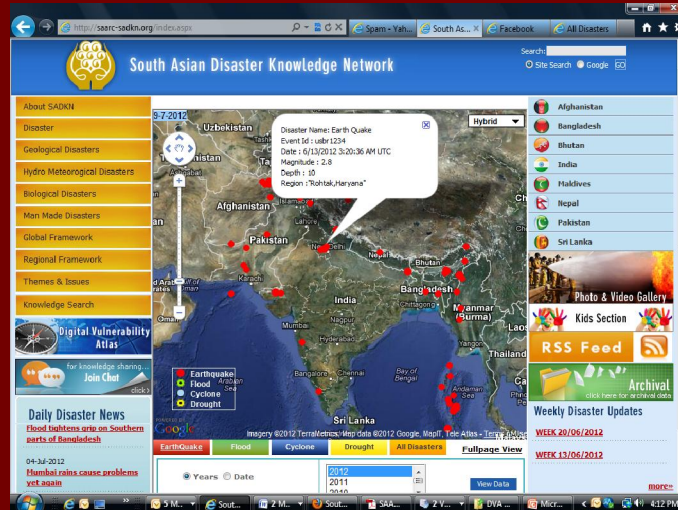
SADKN is in-build with a scheduler which receive data from the above mentioned sources and convert the data for display in geo referred data sets

Data on Flood, Earthquake, Drought and Cyclone is collected from sources and archived in geo referred data sets for users

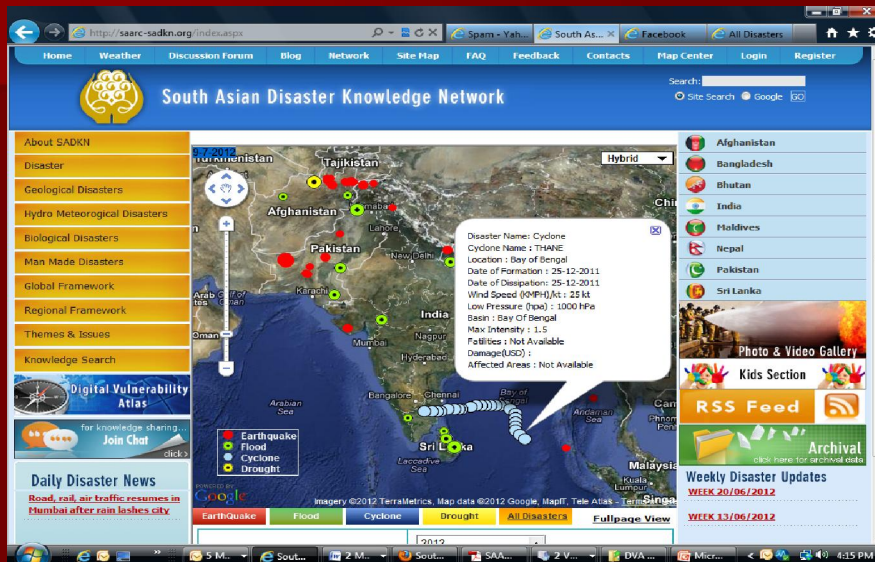
This information is received by SADKN Server by accessing the URL of the sources. A scheduler is inbuilt in SADKN to receive data in text format and convert it as a geo-referred data.

Real time data display on Earthquake (USGS) and Flood (Dartmouth)

The SADKN is in-built with a scheduler which receives data from the USGS and Dartmouth's and convert the data for display in geo-referred data sets within 5 Minutes of update.



2011 Disaster Data for SAARC Region Earthquake, Flood, Cyclone, Drought



<http://saarc-sadkn.org/mapcenter.aspx>
Archives of data is stored and displayed in Geo Referred form in SADKN

The screenshot shows the 'Disaster History' page on the SADKN website. It features a search filter with 'Country' set to 'India' and 'Disaster' set to 'Flood'. The date range is from 1/1/2002 to 7/9/2012. Below the filter is a table listing disaster events.

Start Date	End Date	Main Cause	Magnitude	Severity	Affected Area	Action
6/3/2002 12:00:00 AM	6/6/2002 12:00:00 AM				5000	Map Disaster
6/20/2002 12:00:00 AM	6/20/2002 12:00:00 AM				3000	Map Disaster
6/29/2002 12:00:00 AM	6/29/2002 12:00:00 AM				3000	Map Disaster
8/11/2002 12:00:00 AM	8/13/2002 12:00:00 AM				50	Map Disaster
8/11/2002 12:00:00 AM	8/13/2002 12:00:00 AM				50	Map Disaster
6/21/2002 12:00:00 AM	6/28/2002 12:00:00 AM				+2000000	Map Disaster
6/21/2002 12:00:00 AM	6/28/2002 12:00:00 AM				+2000000	Map Disaster
6/21/2002 12:00:00 AM	6/28/2002 12:00:00 AM				+2000000	Map Disaster
6/21/2002 12:00:00 AM	6/28/2002 12:00:00 AM				+2000000	Map Disaster
6/21/2002 12:00:00 AM	6/28/2002 12:00:00 AM				+2000000	Map Disaster
6/21/2002 12:00:00 AM	6/28/2002 12:00:00 AM				+2000000	Map Disaster

Access and use

- n This information provides updates on disaster events occurring in the SAARC Region to provide information on real time disaster events of the region.
- n The information is accessed by a wide audience: Government agencies, Universities/researchers, general public, DRM practitioners.
- n Access is mostly for getting the update on disasters events

Access and use

SADKN is accessed on average by 1000 visitors every day, hits reach its peak during the event of earthquakes and other disasters to get the latest information.

User base of SADKN has expanded over the years

SADKN enables overlaying geo referenced data of disasters with the data from 'Vulnerability Atlas' which is accessible to all SAARC member states

Challenges

- Reliability and authenticity of the data sources
- Regular updating of information

预览已结束，完整报告链接和二维码如下：

https://www.yunbaogao.cn/report/index/reportId=5_7510

