

**Functioning of the SADKN portal in Maldives
and
How Geo-reference information can enhance the SADKN portal in
future.**



Maldives



Country Profile

- } 1,190 islands. 198 of them inhabited.
 - } Island sizes range 0.2 – 5 sq.km
 - } Average elevation 1m above sea level
- Population approx. 350,000

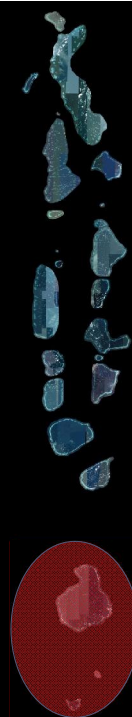
Disasters affecting Maldives

- } Storm Hazard, Tsunami Hazard, Earthquake Hazard, Hazard of Sea level rise
- } 2004 tsunami
 - } Affected whole country
 - } Out of 198, 13 islands destroyed, 56 major damaged, 121 flooded
 - } 2,500 houses destroyed
 - } 1/3 population severely affected
 - } 29,580 residents displaced (9.8%)
 - } 12,000 rendered homeless
 - } 19 out of 87 tourist resorts closed (21.8%)
 - } Total \$470 million US\$ damage which is 62% of GDP



Disaster Risks

- Tsunami hazard are largely to the eastern islands.
- Northern atolls are at greater cyclonic hazard
- § Severe damage from wind, rain and storm surge expected.
- Seenu, Gnaviyani and Gaafu atolls more prone earthquake hazard
- § Probable maximum MMI is 7-8 in zone 5; can cause moderate-high damage
- Sea level hazard is uniform across the country
- § Impact is directly proportional to the elevation of island



SADKN history in Maldives

- On the first phase National Focal Point of Maldives was trained by a workshop held in Delhi.
- The second phase of the training was conducted in Maldives during 15-16 July 2012.
 - q During this training 18 participants from 17 partner organizations was trained.
 - q As they are not mandated to process these resources and information only a few of them spared there free time to upload some information to the sadkn portal.



RS/GIS in Disaster Risk Management

- } RS/GIS is not generally used for DRM in the Country
- } In an event of major disasters Digital Meteorological Data Dissemination (DMDD) system is currently used to receive satellite images from Kalpana-1 and Insat-3A to monitor the weather in the country.
- } During 2004 Tsunami Aerial Images (1996 to 2004) were used for damage assessment.



RS/GIS in Maldives

- } Maldives is in the process of establishing a National GIS.
- } Currently the **Maldives Land Survey Authority** under Ministry of Housing and Infrastructure is undertaking the development of a National Geographic Information System (NGIS)
- } One set of QuickBird image captured between 2006 and 2008 for the whole country were purchased from DigitalGlobe.

NGIS System Design

- } Centralized GIS architecture
- } Users Access through the Government Intranet Network
- } ArcGIS Software used
 - } 7 floating licenses of ArcView + 3 single use licenses
 - } Data on an ArcSDE Enterprise Geodatabase
 - } Access control available to the agencies

预览已结束，完整报告链接和二维码如下：

https://www.yunbaogao.cn/report/index/report?reportId=5_6855

