

Introduction of GEO-PORTAL - Enhance South Asian Disaster Knowledge Network (SADKN) -

Geoinformatic Center
Asian Institute of Technology

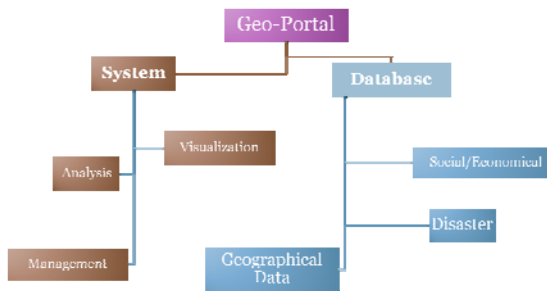


Objective

- Develop Geo-portal for Disaster Risk Preparedness for SAARC Countries -

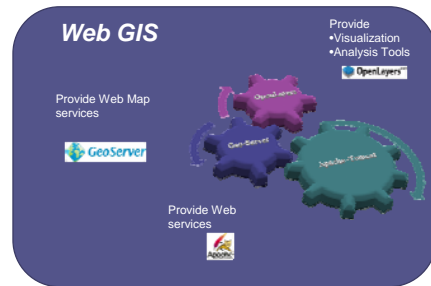
- Components of the Proposed System
- .Georeferenced Past Disaster Data base (Regional/Country/Local)
 - .Geo-referenced Social & Economical Database (Regional/Country/Local)
 - .Local data incorporating Tool
 - .Visualization & Analysis Tools

System Architecture



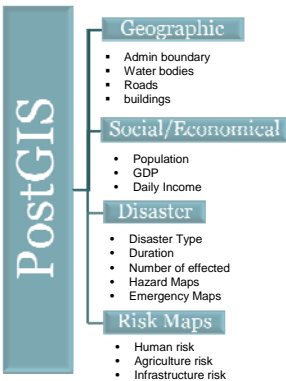
System

- Web GIS based on **open source software**.
 - **OpenGL license**
- Easy to Use/ Develop / Implement



Database

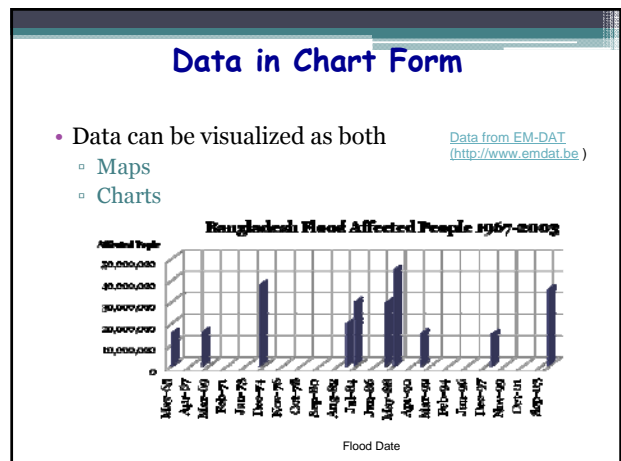
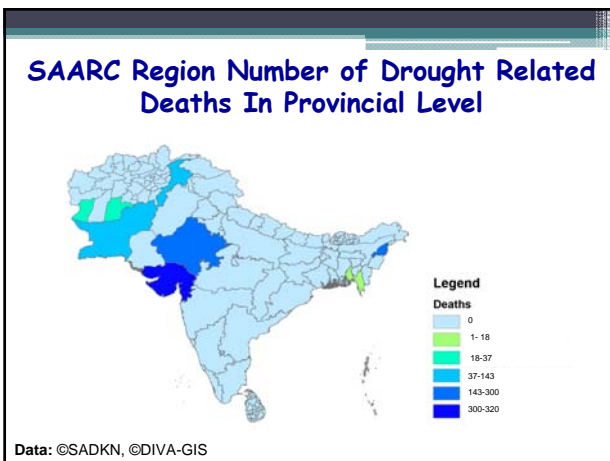
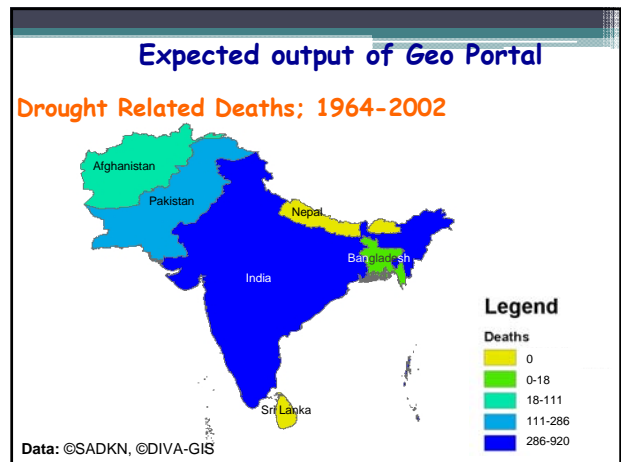
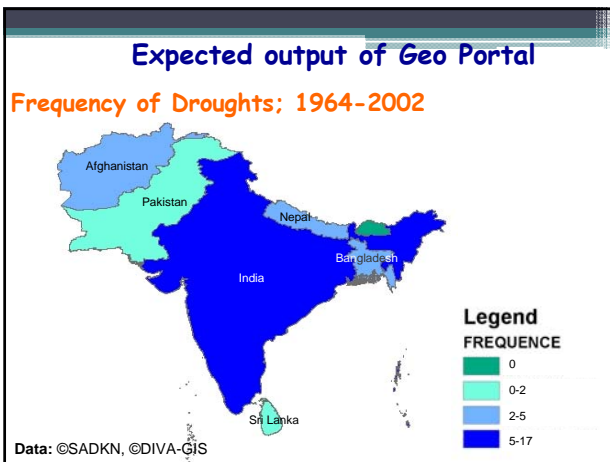
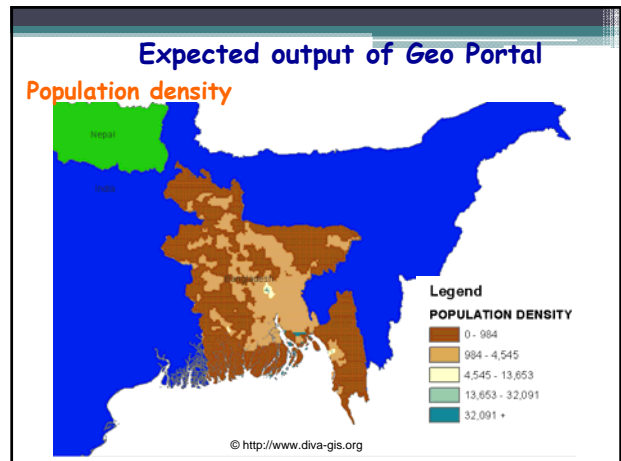
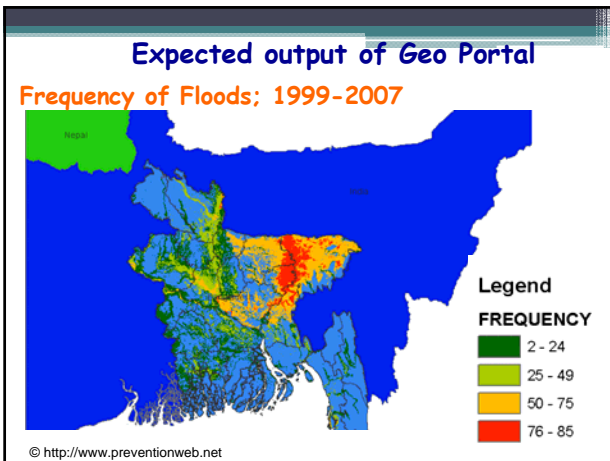
- All Disaster and Social & Economical data will be geo referenced
- Geographic data will be based on free data such as Google Map or OpenStreetMaps.

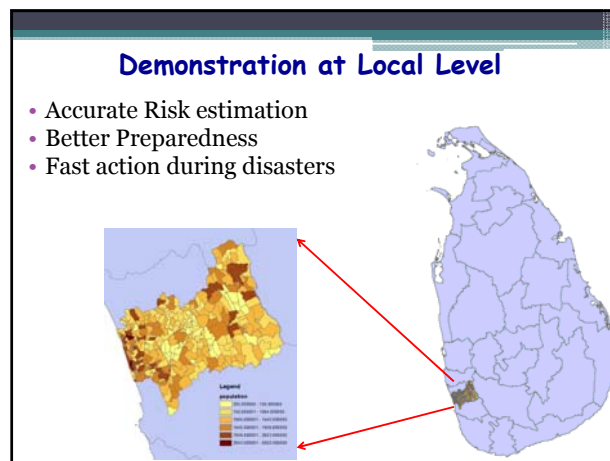
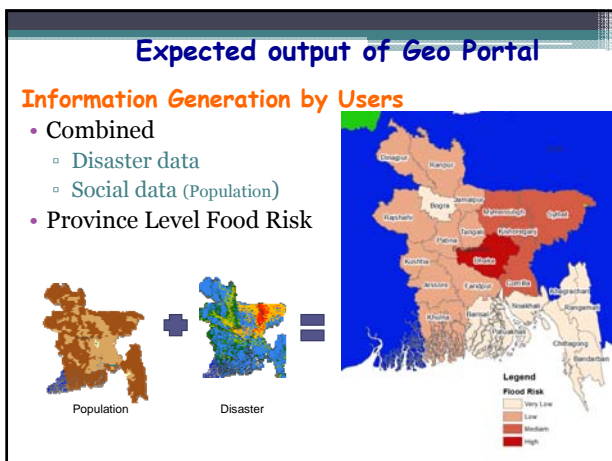
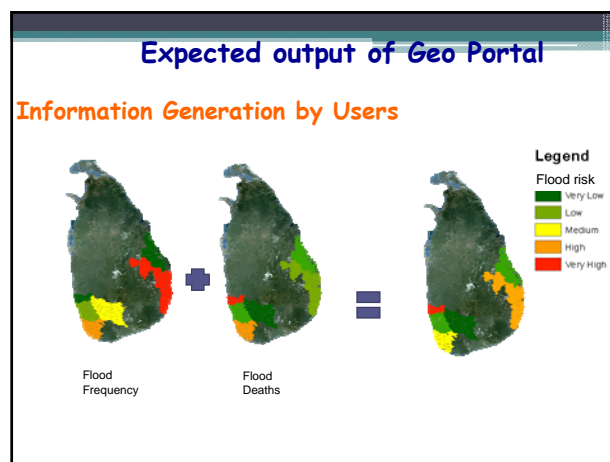
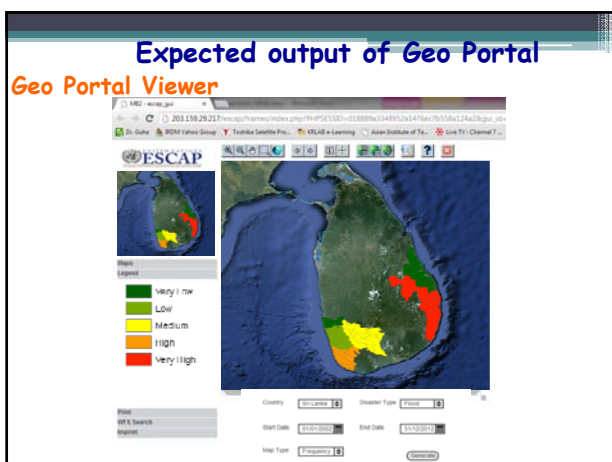


Target Output

Products (using WEB GIS System)

- Visualize Georeferenced disaster information, socio-economic data and disaster prone area maps.
- Analysis of risks/frequencies
- Spatial & Attribute Query on Social & Economical data.
- ISO metadata standard enable easy interoperability of the data.
- Capacity Building of the use of Geo-Portal
 - **Visualization**
 - **Situation Analysis and visualization**
 - **Product generation**





Demonstration at Local Level

Overlay Flood Map with other available

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_7121



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