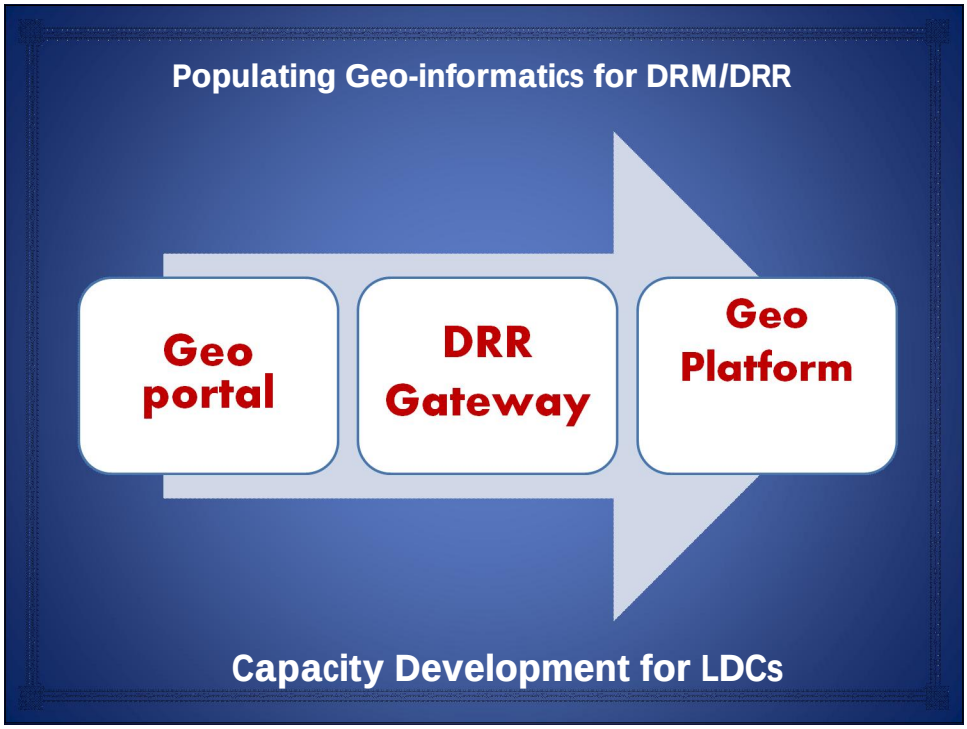
National Geoportal DRM -System functions, integration and security -System Demonstration

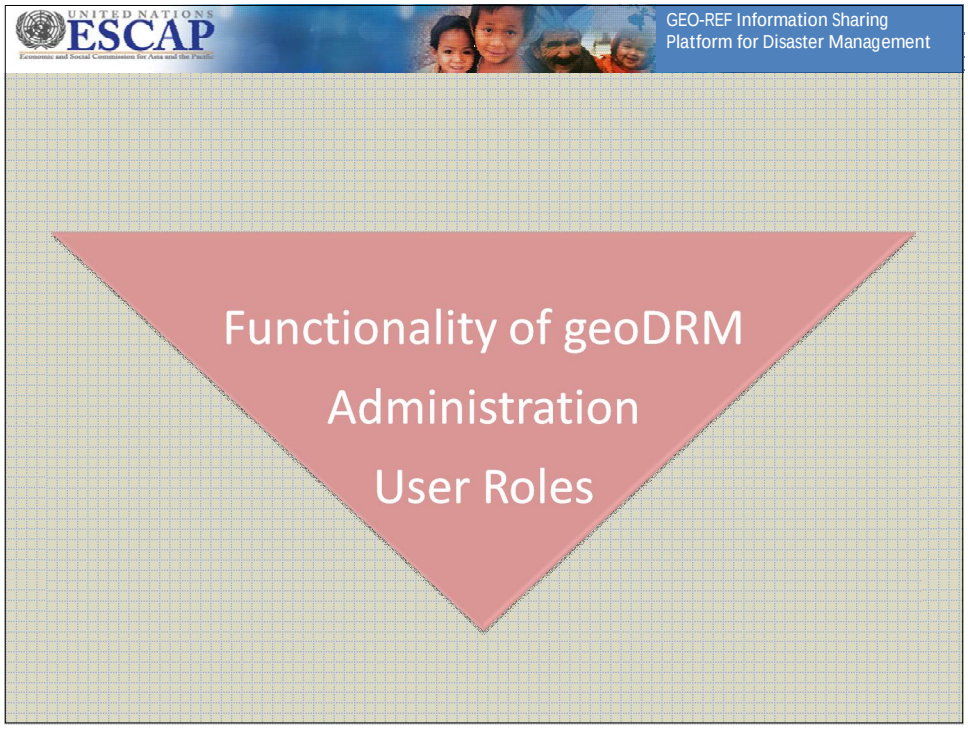
Nitin Kumar Tripathi and Hamid Mehmood
IDD Consultants

UNITED NATIONS ESCAP
Economic and Social Commission for Asia and the Pacific
GEO-REF Information Sharing Platform for Disaster Management

Contents

- Functionality of geoDRM
  - System Functionalities
  - Administration
  - User Roles
- Integration of geoDRM through existing DRR Gateway
- Security and Integrity

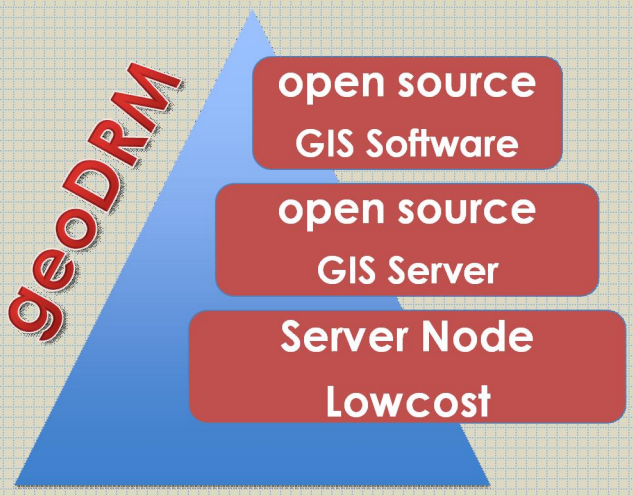

Populating Geo-informatics for DRM/DRR
Geo portal
DRR Gateway
Geo Platform
Capacity Development for LDCs


UNITED NATIONS
ESCAP
Economic and Social Commission for Asia and the Pacific
GEO-REF Information Sharing
Platform for Disaster Management
Functionality of geoDRM
Administration
User Roles

GeoPortal Issues

- **Cost**
  - Huge cost of dedicated server at country level
  - Huge annual maintenance cost
- **Lack of resources/ capacity** in country of interest to handle such servers
  - **High bandwidth requirement**
  - from telecom organisation
  - Annual recurring cost
- **System Availability**
  - 24 Hrs Power backup
  - System safety in the event of disaster at the place of the server

UNITED NATIONS ESCAP
Economic and Social Commission for Asia and the Pacific
GEO-REF Information Sharing
Platform for Disaster Management



Geoportals Software

- Open Source
  - Geo Server
  - Map Server
  - Deegree Server
  - GeoNetwork
- Proprietary / Commercial
  - Esri Technology
  - ERDAS

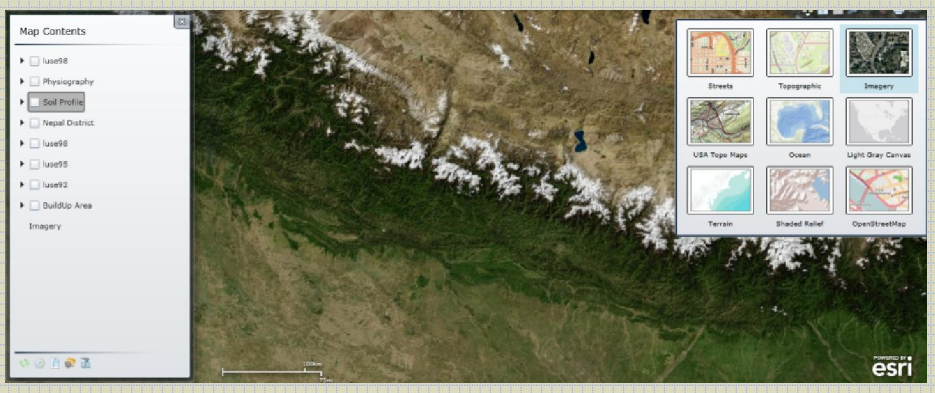
UNITED NATIONS ESCAP
Economic and Social Commission for Asia and the Pacific
GEO-REF Information Sharing
Platform for Disaster Management

Routine Maps (Base Maps)

UNITED NATIONS ESCAP
Economic and Social Commission for Asia and the Pacific

GEO-REF Information Sharing
Platform for Disaster Management

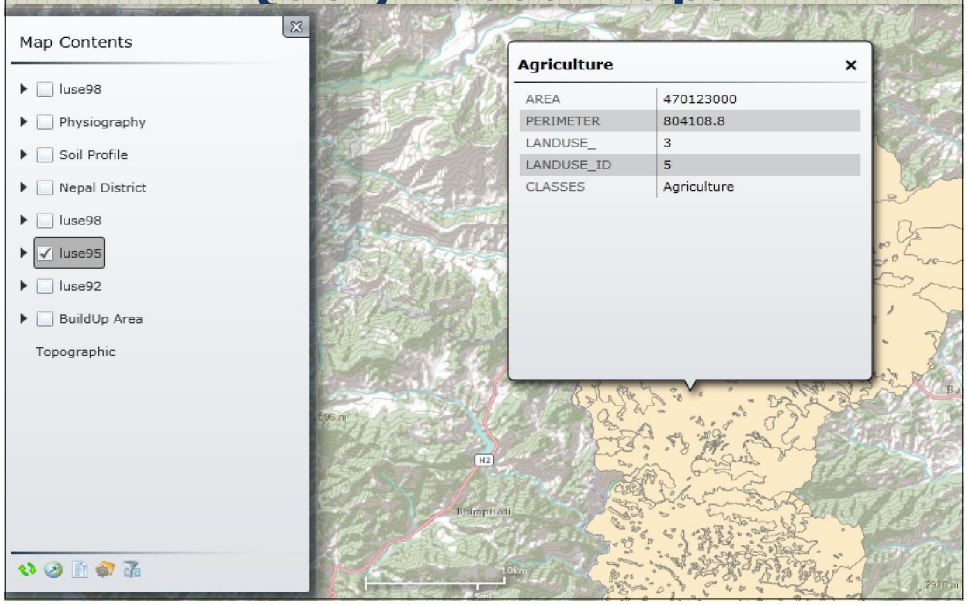
Routine Maps



UNITED NATIONS ESCAP
Economic and Social Commission for Asia and the Pacific

GEO-REF Information Sharing
Platform for Disaster Management

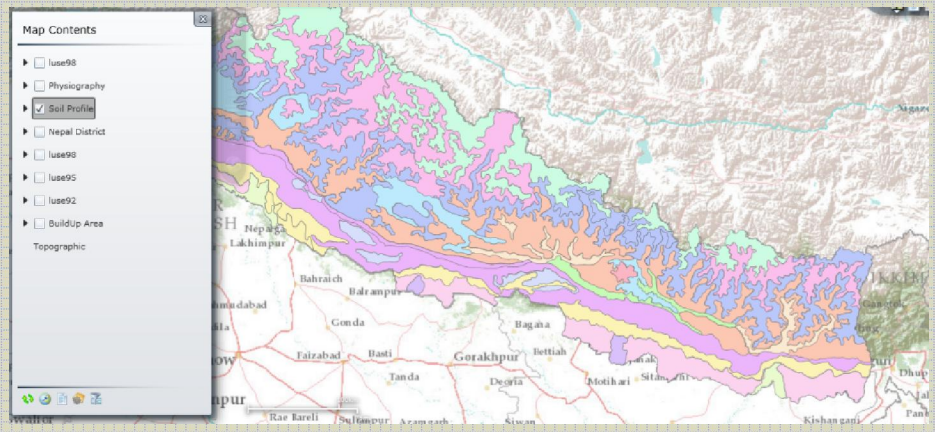
Query Based Maps



UNITED NATIONS ESCAP
Economic and Social Commission for Asia and the Pacific

GEO-REF Information Sharing Platform for Disaster Management

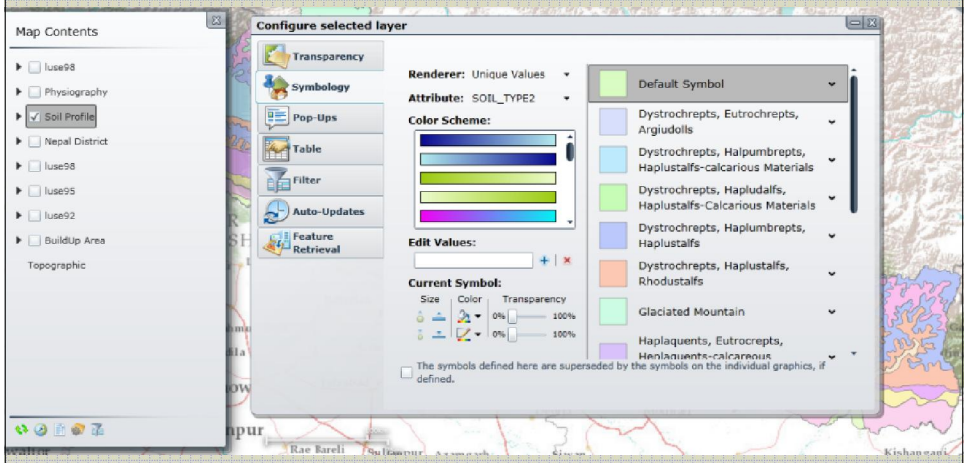
Basic Analysis Maps

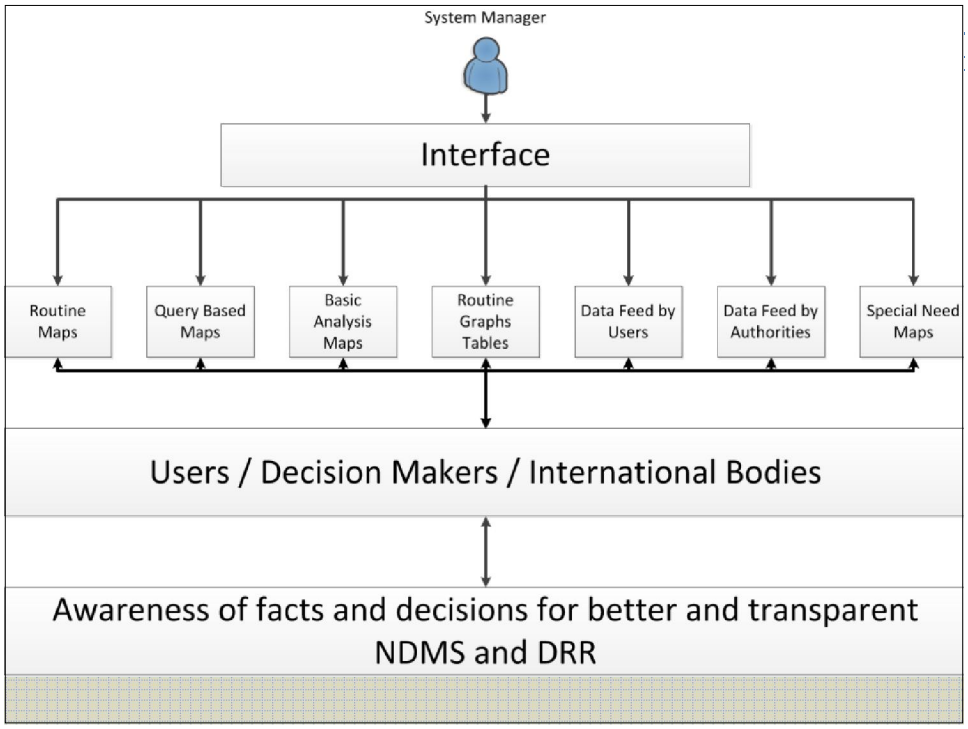


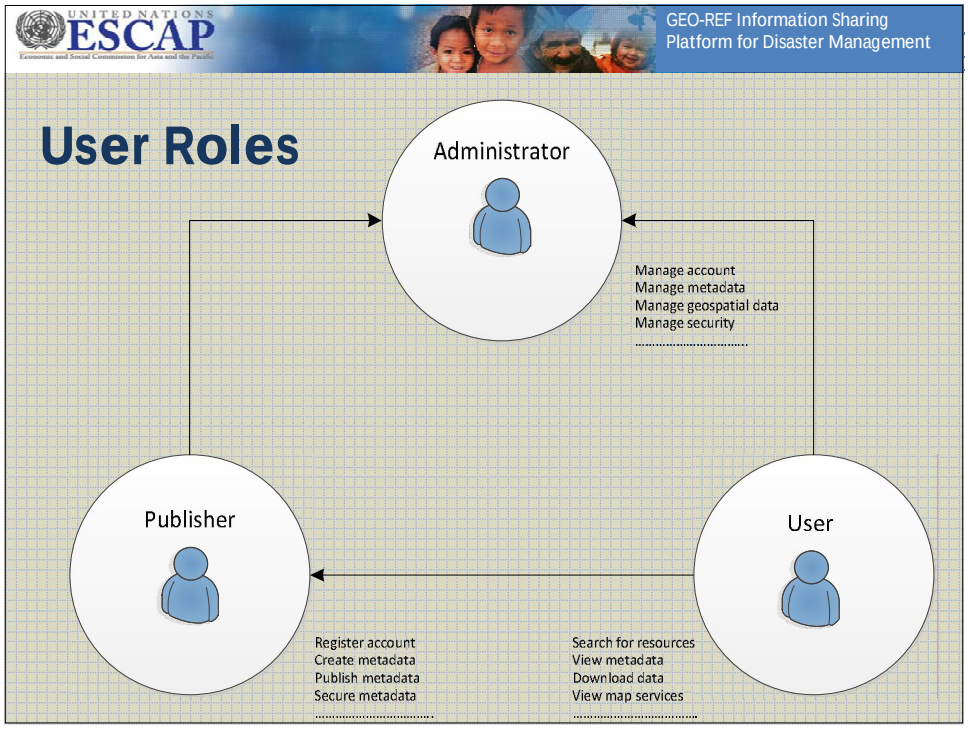
UNITED NATIONS ESCAP
Economic and Social Commission for Asia and the Pacific

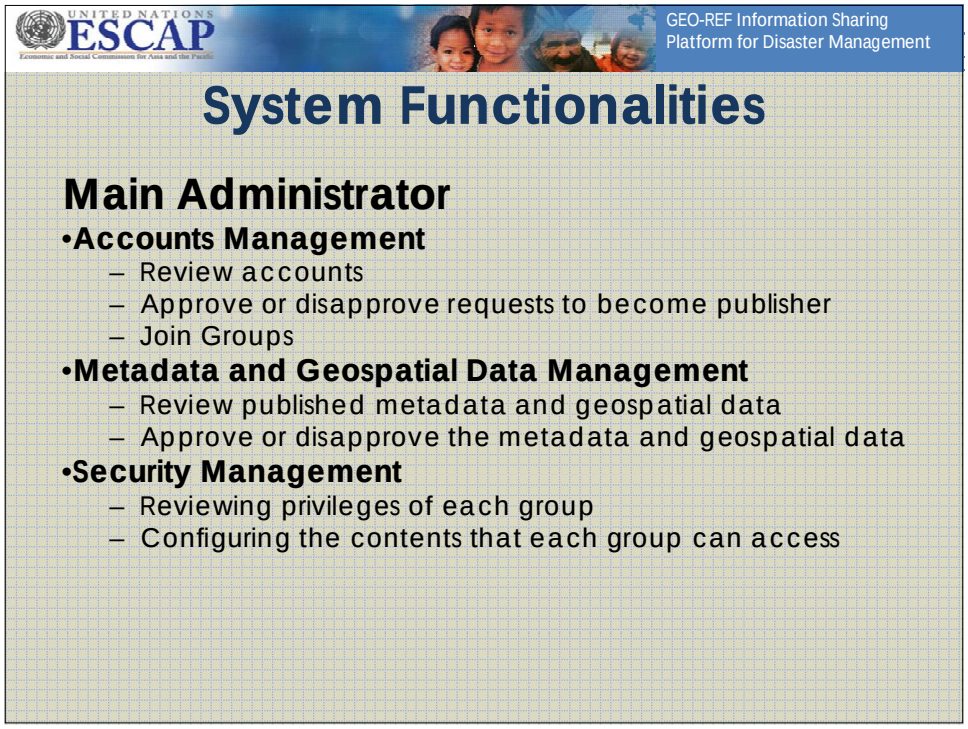
GEO-REF Information Sharing Platform for Disaster Management

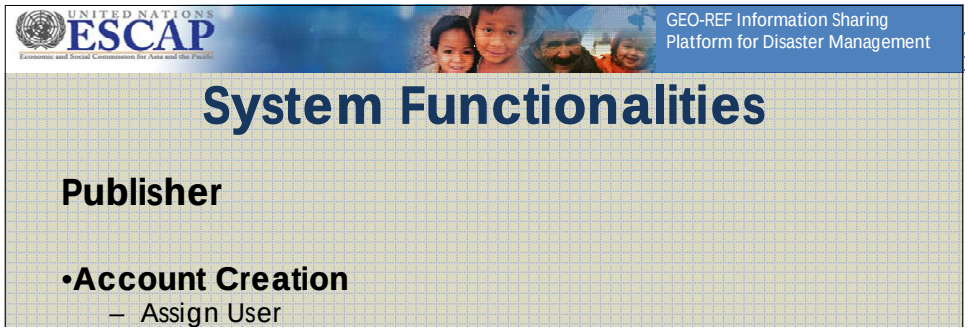
Routine Graphs Tables




System Manager
Interface
Routine Maps
Query Based Maps
Basic Analysis Maps
Routine Graphs Tables
Data Feed by Users
Data Feed by Authorities
Special Need Maps
Users / Decision Makers / International Bodies
Awareness of facts and decisions for better and transparent NDMS and DRR


UNITED NATIONS ESCAP
Economic and Social Commission for Asia and the Pacific
GEO-REF Information Sharing Platform for Disaster Management
User Roles
Administrator
Manage account
Manage metadata
Manage geospatial data
Manage security
Publisher
Register account
Create metadata
Publish metadata
Secure metadata
User
Search for resources
View metadata
Download data
View map services





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_6998