UNITED NATIONS
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Health and Emergency Management

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Introduction

- Over the last three decades great advances have been made in application for Emergency Preparedness.

- In Ethiopia, the country is still facing poor preparedness for safety planning.

- Against this background, ECA is assisting the country to set up monitoring, evaluation and response management system to direct response teams to critical and vulnerable areas with high risk.

Objectives of the System

- To develop GIS based web application on Health and Emergency Management.
- The system comprises GIS application, with authoritative geodatabases, to support preparedness, planning and operations for security and health emergencies.
- The database and the associated interface aim at identifying high-risk areas and showcase the application of vulnerability mapping for better understand human and environmental impacts.

Functionalities of the System

- The application enables
  - capture, manage, manipulate, analyze, model and display a spatially-referenced data for solving complex planning and management problems.
  - Locate Hospitals, clinics and health centers
  - Provide information about each Hospitals, clinics and health centers
  - Add/Edit geographical reference data
  - It will include population based surveys data, health services records (location, attributes, diseases outbreak, etc...) and infrastructures (road networks).
  - Provide reports per country, region … for decision making and managing data

Building an authoritative Geodatabase

- The database includes population based surveys data, health services records (location, attributes, diseases outbreak, etc...),

- So far datasets were collected for Ethiopia through the WHO country office

- We expect that others countries will contribute to the effort of sourcing and collecting the data through the online interface.

Demonstration of the System