

Next agrement between

ITU & Ministry of Interior of Turkey
2001

1. Training on Emergency Management
2. Development of Turkish Fire Brigades
3. Development of Emergency Management System
4. GIS standards based on Emergency Management

PROJECT GOAL of GIS STANDARDS

To develop National GIS standards for

• emergency planning & administration

• disaster management & damage estimation, and

• as a decision support system for central & local authorities (ministries and local administrative units) at other times.

PROJECT OUTPUTS

1. Workshop with local authorities in Turkey, April 2002
2. Workshop with private sector in Turkey, June 2002
3. International Symposium on GIS, September 2002 sponsored by FIG

Final Report was submitted to the Ministry in November 2002.





Istanbul Disaster Information System

The Status of the Project

The system design ready
System hardware infrastructure
About to start collecting the data from the Municipality offices, and from the field if necessary.

Development of An Earthquake Loss Estimation Tool

Sponsored by

Istanbul Metropolitan Municipality
Scientific & Technical Research Council of Turkey

Development of An Earthquake Loss Estimation Tool

Objectives

To reduce loss of life and property, and protect people and institutions from natural hazards by providing a tool for comprehensive, risk-based loss analysis to support the nation's programs in emergency management, mitigation, preparedness, response, and recovery.

The key objectives

Develop an earthquake hazard characterization model for Turkey

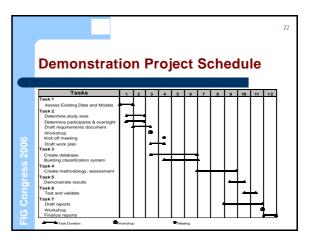
Develop vulnerability functions for infrastructure at risk

Develop parameters for casualties, shelter needs and economic loss that reflect conditions in Turkey.













Istanbul Seismic Risk Mitigation & Emergency Preparedness Project (ISMEP)

PROJECT OBJECTIVE

The specific objective of the project is to improve

The specific objective of the project is to improve the city of Istanbul's preparedness for a potential earthquake through enhancing the institutional and technical capacity for disaster management and emergency response, strengthening critical public facilities for earthquake resistance, and supporting measures for better enforcement of building codes and land use plans.

ISMEP Components

Component A: Enhancing Emergency Preparedness.

This component will enhance the effectiveness and capacity of the provincial and municipal public safety organizations in Istanbul to prepare for, respond to and recover from significant emergencies, especially those arising from earthquakes.

ISMEP Components

Component B: Seismic Risk Mitigation for Public Facilities.

This component will reduce the risk of future earthquake damage to critical facilities in order to save lives and ensure their continued functioning in the event of an earthquake, through retrofitting of hospitals, schools and other priority public facilities.

ISMEP Components

Component C: Enforcement of Building Codes.

This component will support innovative approaches to better enforcement of building code and compliance with land use plans.

SMEP Components

Component D: Project Management

This component will support the Istanbul Provincial Administration to implement the project in efficient and transparent manner, and build the institutional capacity to sustain the implementation of Seismic Risk Mitigation and Preparedness program beyond the life of the project.

Feasibility studies were initiated last year.

Emergency Communication systems

Disaster Management Information Systems

Improvement of Emergency Response Capability

Pilot Project for Strengthening Public Buildings (39 schools, 12 University Hospitals, 1 Student Dormitory, 2 Search & Rescue Buildings)

Bakirköy Province Pilot Project for Strengthening Residences (350 buildings)

Social Tendency Survey for Residence Strengthening

