A NEW DISASTER MANAGEMENT STRUCTURE IN TURKEY

Kerem KUTERDEM

Prime Ministry
Disaster and Emergency Management Presidency
Earthquake Department
Contents

I. An historical overview of Disaster Management Structure in Turkey,

II. Turkey’s activities with UN System (IDNDR, ISDR, HFA etc.),

III. Disaster Management shift after 1999 (Law 5902),

IV. Disaster and Emergency Management Presidency of Turkey,

V. Strategies, Targets, Tools

"1st Meeting of the European Forum for Disaster Risk Reduction (EFDRR), 6-8 October 2010, Stenungsund, Gothenburg, SWEDEN."
Main Milestones in Turkish Disaster Management System

- 19th Century – 1923 (Rules for settlements in Istanbul)
- 1923 - 1944 Era (Response, Post Disaster Aids and 1930 Municipality Law)
- 1944-1958 Era (Partially Disaster Reduction, Development Law, First EQ Zonning Map, First Building Code)
- 1959-1999 Era (Ministry of Reconstruction and Settlement, Civil Defence Law, Law 7269, )
- 1999-2009 Era (Awakenning)
- 2009- New Re-organisation
Main Disaster Related Laws and Regulations

Law 7269 (Provide a formal capacity for post-disaster interventions and to organize the relief operations)

Law 3194 (Development Law)

Laws and Regulations 4708 & 595 (Statutory Decree on Construction Auditing)

Law 3458 (Law Related with Engineering)

Law 7126 (Civil Protection)

Law 5393 (Law of Municipalities)

Decree 601 (Proficiency in Constructional Professions)

Law 5302 (Law for Special Provincial Administration)

Law 5216 (Law for Metropolitan Municipalities)

Law 4123 (Law on Executing Services Relating to Damage due to Natural Disasters)

Decree Law No: 26939 (Environmental Impact Assessment)

Decree Law 587 (Compulsory Earthquake Insurance)

Law 5902 (Establishment of AFAD)

Implementation in Practice is the KEY

"1st Meeting of the European Forum for Disaster Risk Reduction (EFDRR), 6-8 October 2010, Stenungsund, Gothenburg, SWEDEN."
Main Disaster Related Laws and Regulations

The Conventional System and New Provisions in Disasters Policy

(Balamir, 2001)
Turkey’s Relations within UN System

- In 1950 UNESCO supported Japanese scientists, establishing Seismology Institute at ITU (Istanbul Technical University),
- Japanese scientists came to Turkey for seismology and earthquake engineering courses,
- 1952-1962 many Japanese scientists stayed in Turkey and trained many researchers,
- 1966 Turkish scientists began to go Japan for research on earthquake engineering and seismology,
- In 1971 Unesco project “Seismic Cooperation Between Balkan Countries” was initiated
Turkey’s Activities within UN System

- 1990 – 1999 International Decade for Disaster Reduction (IDNDR)
  - Establishment of National Committee,
  - Preparation of National Report,
  - Participation to Yokohama Conference,
- 2005 Kobe Conference
- 2007 Global Platform Meeting
- 2007-2009 HFA Report
- 2009 Global Platform Meeting
- 2009-2011 HFA Mid Term Review

"1st Meeting of the European Forum for Disaster Risk Reduction (EFDRR), 6-8 October 2010, Stenungsund, Gothenburg, SWEDEN."
Some Outputs Produced by TURKEY after IDNDR and HFA;

- IDNDR National Committe for DRR,

- 5 Working Groups under this Committee,

- Preparation of National Earthquake Zonning Map of Turkey (5th and current at force ),

- UNDP Project “Strengthening of Disaster Management System of Turkey”,

- Preparation for 2005 Kobe Conference,

- New Restructuring in Disaster Management (2009)
- Single national coordination body
- More decentralized system
- Powerfull local authorities
Disaster Management System Before 2009

General Directorate of Disaster Affairs

Turkish General Directorate of Emergency Management

GOVERNOR

Provincial Disaster Center

Provincial Search and Aid Group

Emergency Aid Service Groups

PM Crisis Management Center

Co-ordination Comitee for Extraordinary Events

Natural Disasters Co-ordination Comitee

Central Co-ordination Comitee for Disasters

General Directorate of Civil Protection

Provincial Civil Protection Unit

Armed Forces

Turkish Red Crescent

Provincial Red Crescent Unit

Provincial Units of Ministries

Other Govermental Institutes

"1st Meeting of the European Forum for Disaster Risk Reduction (EFDRR), 6-8 October 2010, Stenungsund, Gothenburg, SWEDEN."
Turkey changed her disaster management structure in 2009 by merging previously responsible 3 actor. The new organisation is established under Prime Ministry and called Disaster and Emergency Management Presidency (AFAD).

AFAD is responsible from implementing and coordinating:

- pre-disaster works such as preparedness, mitigation and risk management,
- syn-disaster works such as response, emergency aid,
- post disaster works such as recovery and reconstruction.
Law No: 5902
Enacted by TNGA 29.05.2009
Promulgated 17.06.2009

This new law describes the necessary administrational structure, its activities, responsibilities, relations with other units, and running of tasks related to disaster and emergency management of natural, technological and human originated hazards.

This law aims;
- To take necessary precautions and measurements on disaster and civil protection related services at country level,
- To maintain coordination amongst the organisations those have a role pre and post disaster activities,
- Policy making and implementation on disaster management
Turkish Disaster and Emergency Management Presidency (AFAD)

- Disaster & Emergency Management High Board (Ministrial Level)
- Disaster & Emergency Management Coordination Board (Undersecretarial Level)
- Disaster & Emergency Management Presidency
- Earthquake Advisory Board
- Department of Planning & Mitigation
- Department of Response
- Department of Recovery
- Department of Civil Protection
- Department of Earthquake
- Department of Administrative Affairs

"1st Meeting of the European Forum for Disaster Risk Reduction (EFDRR), 6-8 October 2010, Stenungsund, Gothenburg, SWEDEN."
Main Committees on Disaster Management

- Disaster and Emergency High Board
- Disaster and Emergency Coordination Board
- Earthquake Advisory Board
Main Committees On Disaster Management

DISASTER AND EMERGENCY HIGH BOARD

- Main Duties are; to approve reports, programmes and plans prepared for disaster and emergency situations.

- The Board is chaired by one of the Vice Prime Minister,


- The Board meets at least twice in a year. Moreover, may meet if Chairman deems it necessary.

- Secretariat of the Board is conducted by the Presidency (AFAD).
Main Committees on Disaster Management

Disaster and Emergency Coordination Board

- Main Duties are: to conduct coordination between foundations and institutions and non-governmental organizations, to evaluate information, to identify measures to be taken and ensure the application of these measures and to supervise in case of disaster and emergency situations.

- The Board is chaired by the Undersecretary of Prime Ministry.


- Board meets at least four times a year. Moreover, the Board may meet if the Chairman deems it necessary.

- Secretariat of the Board is conducted by the Presidency (AFAD).

"1st Meeting of the European Forum for Disaster Risk Reduction (EFDRR), 6-8 October 2010, Stenungsund, Gothenburg, Sweden."
Main Committees On Disaster Management

EARTHQUAKE ADVISORY BOARD

Director General
(Disaster and Emergency Management Presidency)

Secretariat
Earthquake Department

• Representative of Ministry of Public Works and Settlement,
• Head of Boğaziçi University, Kandilli Observatory and Earthquake Engineering Research Institute
• President of Turkish Scientific and Technological Research Council,
• General Director of G.D. Of Mineral Research and Exploration,
• President of Turkish Red Crescent,
• Academicians (5 Members)
• Non Governmental Organisations (3 Members),
  • Turkish Earthquake Foundation,
  • Turkish Contractors Association,
  • Earthquake Engineering Association

"1st Meeting of the European Forum for Disaster Risk Reduction (EFDRR), 6-8 October 2010, Stenungsund, Gothenburg, SWEDEN."
Some Duties of AFAD

- Determination and declaration of disaster prone areas and to take necessary measures,

- Determination of basis for in kind, in cash and humanitarian aids,

- Public awareness raising campaigns and education,

- Establishment and operation of early warning and monitoring systems,

- Coordination of all necessary activities related with the response,

- Determination of all national resources to be used in case of a disaster,

- Ensure the establishment and management of emergency management centers both at central and local levels,

- Determination of standards for fire brigade services, search and rescue services and maintain co-ordination between several voluntary groups,
Some Duties of AFAD

➢ To take necessary measures for an effective post-disaster rehabilitation,

➢ Secure post disaster temporary housing, post disaster social and physiological rehabilitation,

➢ Coordination of international emergency assistance activities,

➢ Maintain coordination amongst various governmental units for post-disaster planning, public works and supervision of those activities,

➢ Plan, manage and supervise civil defense activities at governmental units and private sector,

➢ Determination of all precautions and measures against chemical, biological and nuclear materials and maintain coordination between all stakeholders in the country,

➢ Determination of policies for earthquake preparedness, response and earthquake risk management,

➢ Earthquake awareness raising activities, public information,
Crisis Management Cycle

**Response**
AFAD, General Staff, Min. Of Health, Undersec. Maritime, Police Hq, Gendarmeire, Atomic Energy Directorate, Provincial Units, NGOs,

**Recovery**
AFAD, Treasury, Provincial Units, NGOs,

**Mitigation and Planning**
AFAD, MPWS (GD of Technical Research), Min. Of Education, Min. Of Environment and Forestry, Provincial Units, Municipalities, State Hydraulic Works, Turkish Red Crescent, NGOs

Source: Nuvit BEKTAS, 2010

**Reconstruction**
AFAD, Min. Of Environment and Forestry, Provincial Units, Municipalities, Treasury, Bank of Provinces, Housing Development Admin.

"1st Meeting of the European Forum for Disaster Risk Reduction (EFDRR), 6-8 October 2010, Stenungsund, Gothenburg, SWEDEN."
Prime Ministry Crisis Management Center has three sub-groups

- Crisis Coordination Committee
  PRIME MINISTER / STATE MINISTER

- Crisis Evaluation and Monitoring Board
  UNDERSECRETARY of PM

- Secretariat
  DEPUTY UNDERSECRETARY of PM

Source: Nuvit BEKTAS, 2010
Disaster Management at Local Level

- PROVINCIAL DISASTER and EMERGENCY MANAGEMENT OFFICES

- MUNICIPALITIES

- NGOs
Disaster Management at Local Level

PROVINCIAL DISASTER and EMERGENCY MANAGEMENT OFFICES (Governors)

- Have the main role and responsibility to prepare provincial emergency plans in coordination with other stakeholders,

- Implementation and monitoring of emergency and response plans in times of disasters,

- Determination of hazards and risk at provincial level,

- Management of provincial disaster and emergency management center,

  - Damage and loss assessments,

  - Training, awareness activities,

  - Maintain coordination with NGOs and other voluntary groups,

"1st Meeting of the European Forum for Disaster Risk Reduction (EFDRR), 6-8 October 2010, Stenungsund, Gothenburg, SWEDEN."
MUNICIPALITIES

- Municipalities have the role to coordinate, arrange and implement mitigation, prevention and risk reduction activities,

- Preparation and implementation of master plans,

- Licencing construction,

- Public Awareness Activities.
“1990 – 1994” 6th Five Years Development Plan (Focused on principles and policies related to reduce EQ and other disasters. A national plan to reduce EQ damages was prepared),

“1996 – 2000” 7th Five Years Development Plan (More comprehensive approaches in order to reduce disaster losses),

“2001 – 2005” 8th Five Years Development Plan (Most powerful and dedicated plan that has several references to DRR. Plan defines preparation of hazard maps, disaster plans and effective construction supervision or auditing system),

2010 Programme (there stated 3 policy priorities and measures; National Disaster Management Strategy and Action Plan will be prepared, Settlements under the risk of natural disasters across the country will be prioritized with respect to the level of disaster risk and Natural Disaster Insurance system will be developed.

National Climate Change Strategy Plan (2010-2020)
The Way Forward

- National Earthquake Reduction Strategy Plan will be launched in 2011,
- National Disaster Reduction Strategy Plan will be launched in 2011 or 2012,
- R&D and Scientific Studies are continuing,
- Legal Arrangements (Unification and Restructuring of Laws and Regulations),
- Establishment of a NP for DRR,
- Effective coordination amongst various stakeholders both at national and local levels,
- More regional and international collaboration,
- More effective integration of local sources to DRR and disaster response and recovery processes

"1st Meeting of the European Forum for Disaster Risk Reduction (EFDRR), 6-8 October 2010, Stenungsund, Gothenburg, SWEDEN."
Some Recommendations to EFDRR for Future

- HFA 2015 +,

- More bilateral, multilateral and/or regional collaborations,

- More focus on implementation and practice,

- Scientific and Technical Cooperation and Collaboration,
Final Words

From Jean Jacques Rousseau’s letter to Voltaire after 1755 Lisbon EQ

If this tragedy happened, it is not the fault of mother nature. It was not nature who gathered together twenty thousand buildings in this place.
A NEW DISASTER MANAGEMENT STRUCTURE IN TURKEY

Kerem KUTERDEM

Address: Afet ve Acil Durum Yönetimi Başkanlığı, Eskişehir Yolu 9.km Lodumlu/ANKARA
Phone: + 90 2202600 - + 90 2872680 / 1704-1576
E Mail: kuterdem@deprem.gov.tr; isdr@deprem.gov.tr

www.afetacil.gov.tr

www.deprem.gov.tr

"1st Meeting of the European Forum for Disaster Risk Reduction (EFDRR), 6-8 October 2010, Stenungsund, Gothenburg, SWEDEN."