



REPUBLIC OF TURKEY
PRIME MINISTRY

Disaster and Emergency Management Presidency

Recent Activities for DRR in Turkey

2nd World BOSAI Forum / IDRC 2019

09 - 12 November 2019 – Sendai / JAPAN

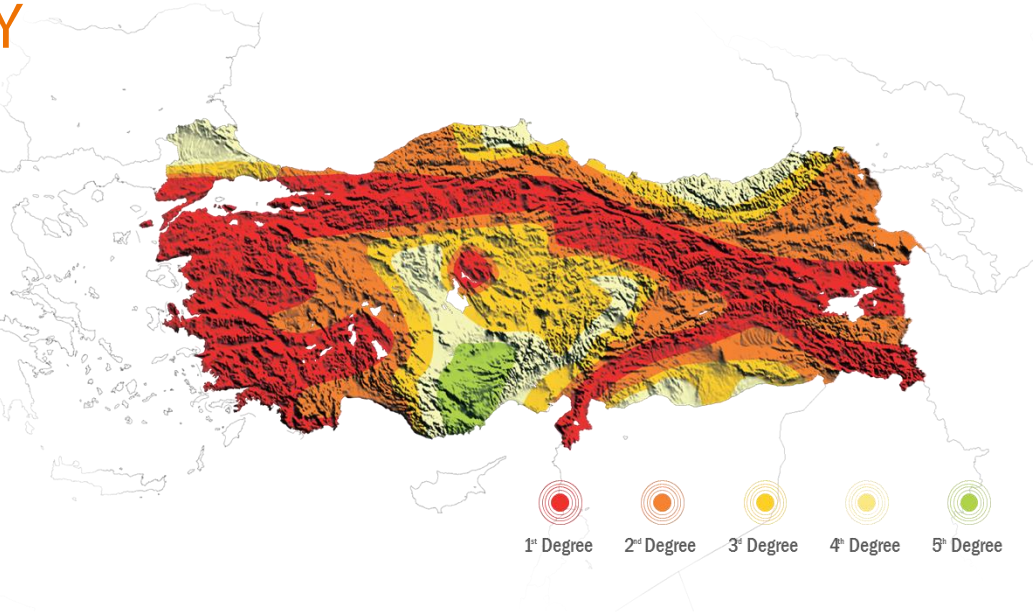
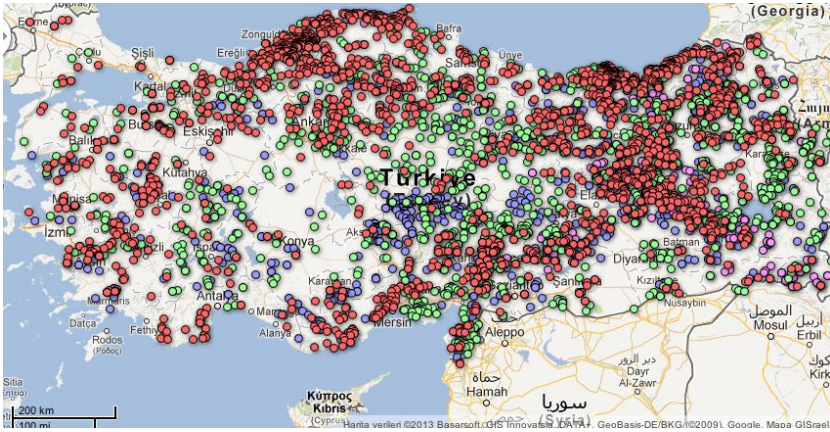


REPUBLIC OF TURKEY
MINISTRY OF INTERIOR
Disaster and Emergency Management Presidency

CONTENT

Disaster Profile in Turkey

Disaster Management System and DRR Activities



Earthquake 61% Flood 15%
 Landslide 16% Rockfall 5%
 (In terms of damages and fatalities)

- 96% of our country is under the danger of earthquake hazard
- 66% of seismic belt is right on active faultline
- 72% of our population and 75% of industrial plants are under the Earthquake Risk

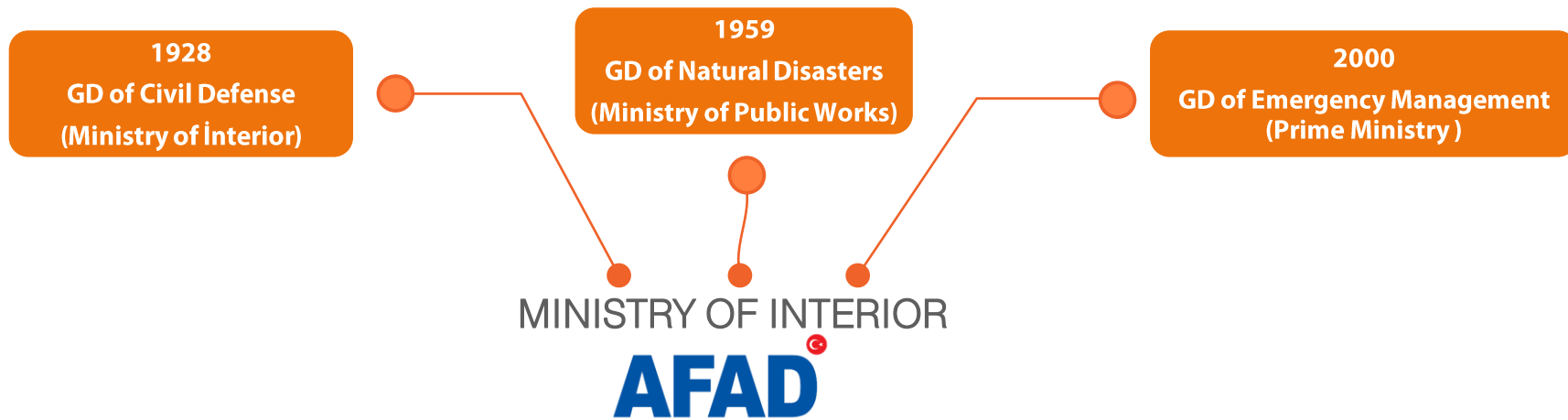


Due to Earthquakes in Turkey in the Past 58 years

More than
400,000
Buildings
Were Destroyed or
Damaged



TRANSFORMATION OF DISASTER MANAGEMENT



By the law no 5902

BEFORE

- ✓ SEVERAL INSTITUTIONS
- ✓ LACK OF EFFECTIVE AND EFFICIENT COORDINATION
- ✓ CRISIS MANAGEMENT
- ✓ LACK OF SYSTEMS APPROACH

AFTER

- ONE INSTITUTION MULTI-DISCIPLINARY APPROACH ✓
- EFFECTIVE AND EFFICIENT COORDINATION ✓
- RISK MANAGEMENT ✓
- SYSTEMS & PROACTIVE SYSTEMATIC APPROACH ✓

NATIONAL DISASTER MANAGEMENT FRAMEWORK

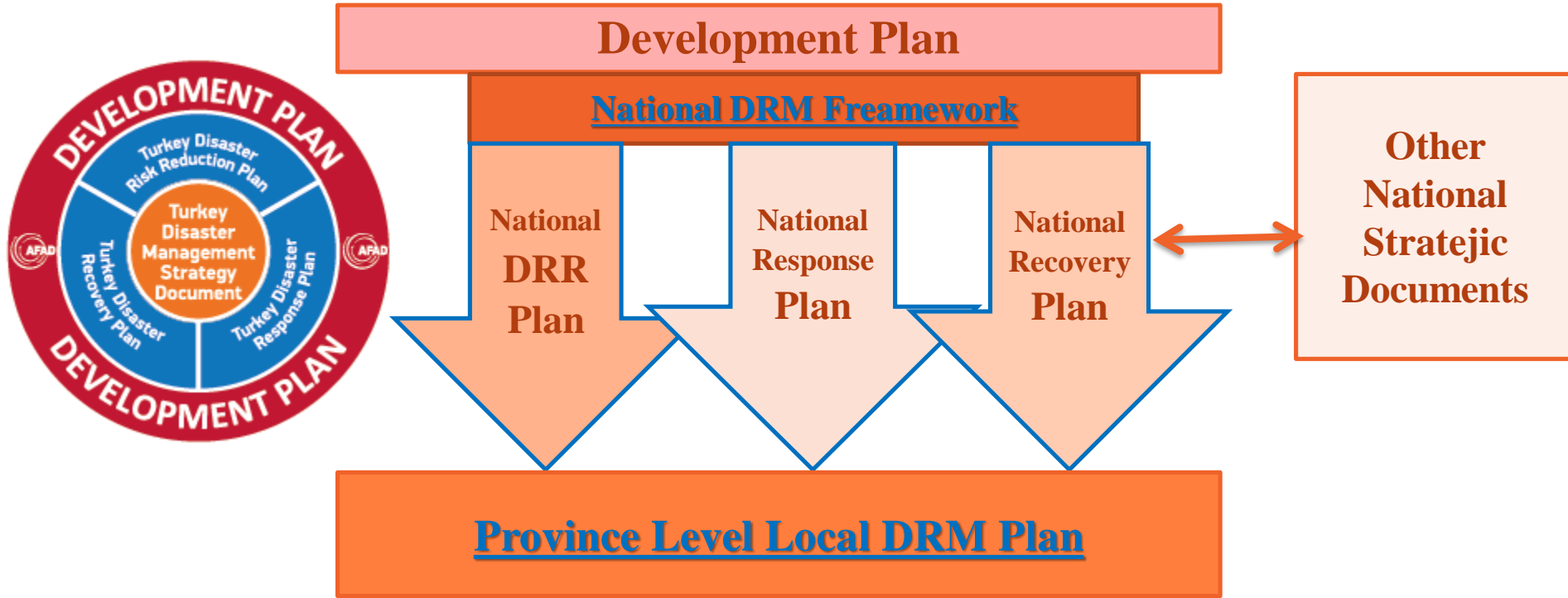


**Public Private
Organizations
NGOs and
others**

**Provincial
Directorates of
Disaster and
Emergency
Management**

- ✓ All disaster management related organisations unified
- ✓ Effective coordination
- ✓ Efficient use of capacity and capability in disaster management
- ✓ Central authority to make policies, set standards, finance projects and disasters
- ✓ Local authorities to take responsibilities and manage disasters by their own
- ✓ Integration with stakeholders

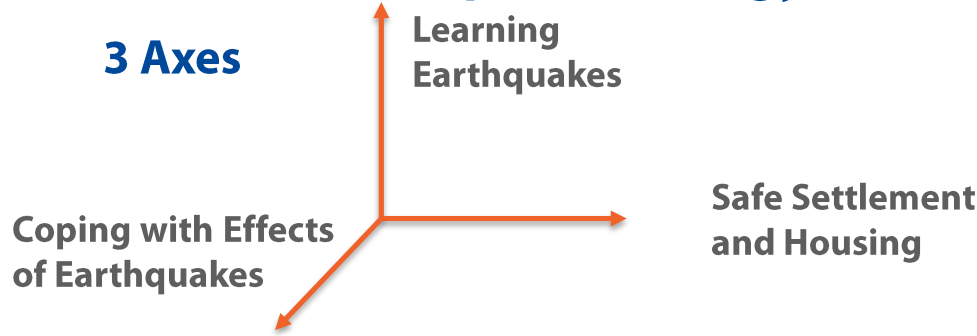
NATIONAL DISASTER MANAGEMENT FRAMEWORK



UDSEP

National Earthquake Strategy and Action Plan - UDSEP

3 Axes



Completed Actions:

- ✔ Disaster Insurance Law (Turkish Catastrophe Insurance Pool)
- ✔ Active Fault Map (Ministry of Energy and Natural Resources)
- ✔ Earthquake Research Program (AFAD)
- ✔ National Platform on Disaster Risk Reduction (AFAD)
- ✔ Integrated Disaster Hazard Maps (AFAD)

TURKEY NATIONAL DISASTER RESPONSE PLAN

Operational Plans - TAMP

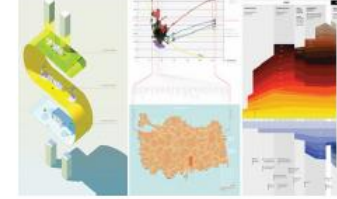
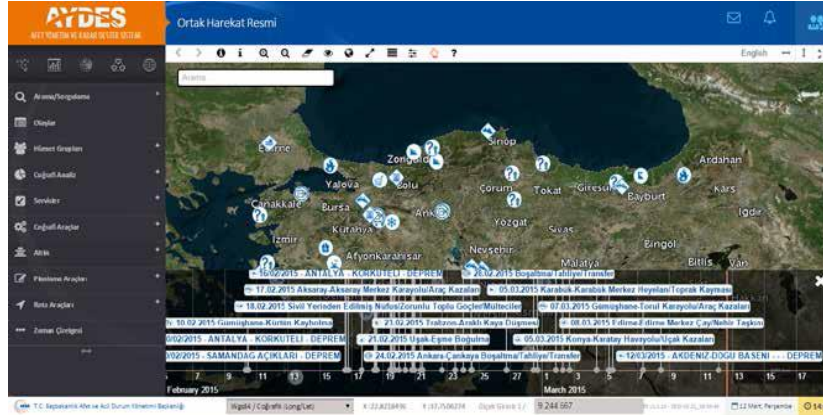


INTEGRATED DISASTER HAZARD MAPS





DISASTER MANAGEMENT AND DECISION SUPPORT SYSTEM (AYDES SOFTWARE)



**REPORT
RISK MODELLING SYSTEM**



**MODELING AND FORECAST
AFAD-RAPID EARTHQUAKE DAMAGE
CBRN DISSEMINATION SYSTEM**

GIS BASED DATA

**OBSERVATION
SATELLITES
AIRCRAFT
MOTOR VEHICLES
INSTITUTIONS (TAMP)**

DATA INTERPRETATION

DATA COLLECTION

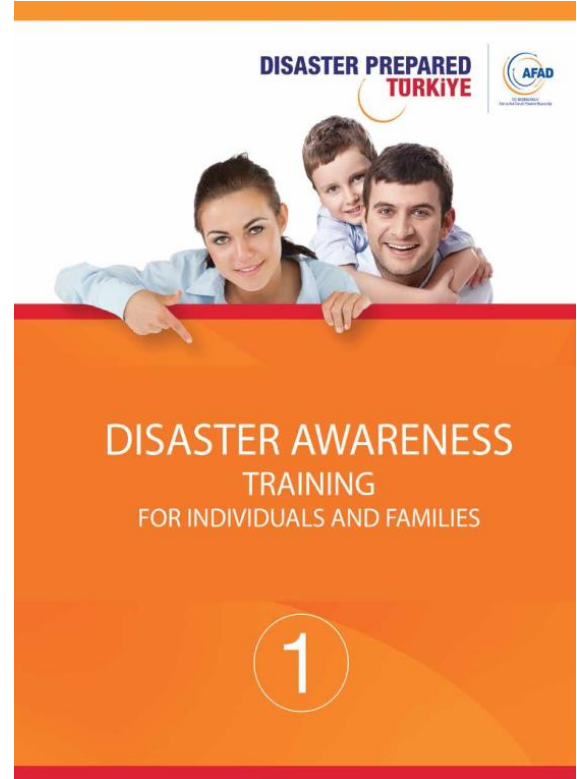
RESOURCES

MAPS





DISASTER - PREPARED TURKEY



ESTABLISHMENT OF HUMANITARIAN LOGISTICS WAREHOUSES



FOR RAPID AND EFFECTIVE RESPONSE TO EMERGENCIES



1652
WAREHOUSES



27
LOGISTICAL WAREHOUSES



PROJECTS



Mobile Disaster Training Centers



Turkey Disaster Data Center



Disaster Response Plan



Establishment of Humanitarian Logistics Warehouse Project



Enhancing the CBRN Capacity



Accreditation System



Continuous and Secure Communication System



AFAD Turkey Earthquake Data Center

PROJECTS



AFAD Turkey Earthquake
Data Center



Adequate Disaster Tents Tent
Design and Creation of Stock



Observation, Mapping & Damage
Assessment with Unmanned Air
Vehicles



Capacity Building About Disaster Types
Knowledge Expertise



RESTRUCTURING OF AREAS UNDER THE DISASTER RISKS

It is intended to create robust and safe residences based on international standards under the **law No. 6306** on “**Restructuring of Areas Under the Disaster Risks**” that aims to make cities and buildings resilient against disasters in Turkey. Within the scope of local administration reform that was put in force, municipalities have been authorized to make urban transformation.

The Regulation provides that the determination of **risky building**, which have been described as those within or outside the **risky areas** that have been decided in accordance with scientific and technical data to have completed their economic life or bear the risk of collapse or suffer from heavy damage.

**URBAN
TRANSFORMATION**
SAME TIME SOCIAL TRANSFORMATION





ISTANBUL SEISMIC RISK MITIGATION AND PREPAREDNESS PROJECT (ISMEP)

Istanbul is the most vulnerable city because of its seismic-prone location nearby the North Anatolian Fault, and its high population and commercial/industrial densities. ISMEP is a significant attempt to implement essential principles of comprehensive disaster management financed by the World Bank. The main objectives are 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. In support to the promotion of commitments for safe schools, the Government of Turkey hosted the first meeting of the "Safe School Leaders" on 30-31 October 2014, Istanbul, Turkey



ISTANBUL IS
WITH ISMEP

STRONGER



INSURANCE

Turkey introduced a requirement for earthquake insurance in 2000 and coverage is provided by the Turkish Natural Catastrophe Insurance Pool (DASK), set up under Law No 6305, which is an example of good practice. Additionally, DASK may cover disasters such as floods, storms, landslides, and hail and snow damage in the event of insurance companies failing to do so.

Insurance companies make use of risk scenarios. At present, insurance has 41 % penetration and there are 7.3 million policies. It is therefore recommended that further efforts be made to increase the penetration of compulsory earthquake insurance.

Another example of good practice in the field of insurance is the Agricultural Insurance Pool (TARSiM), which insures herbal and animal products against the consequences of hail, storm, flood, fire, landslides, tornadoes and frost. ata as provided in May 2016.





Thank You For Your Attention

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