

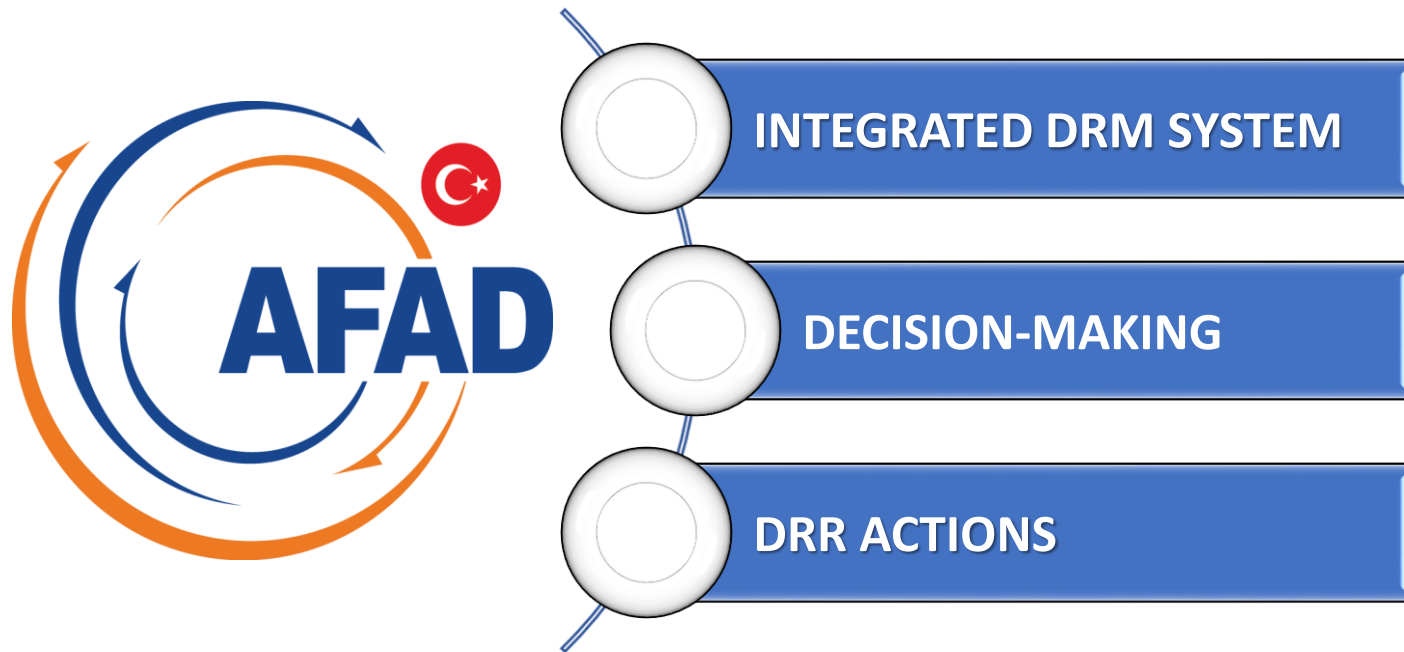


INTEGRATED DISASTER RISK MANAGEMENT FOR A RESILIENT COUNTRY

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Outline



Disaster, Risk, Vulnerability Prevention?



Disaster risk Prevention
Recovery Exposure
Preparedness Build back better
Economic loss Mitigation Hazard
Extensive disaster risk Vulnerability
Critical infrastructure Resilience
Risk transfer Capacity Early warning system

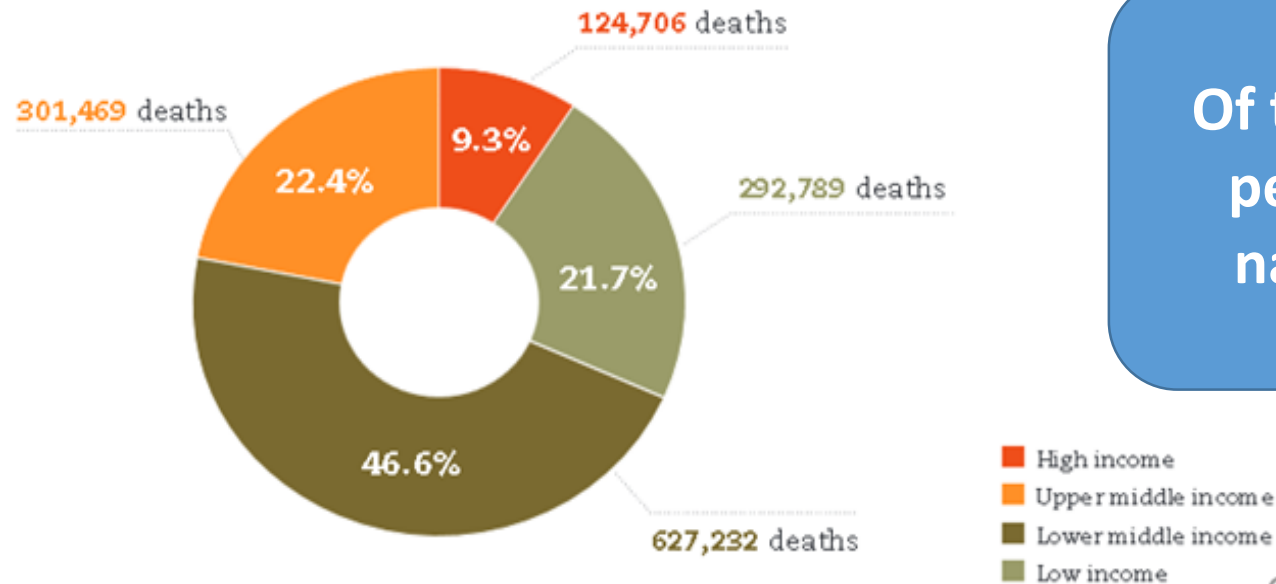


Designed by Vecteezy





Who is the most effected?



Number of deaths per income group for all natural hazards, 1996-2015

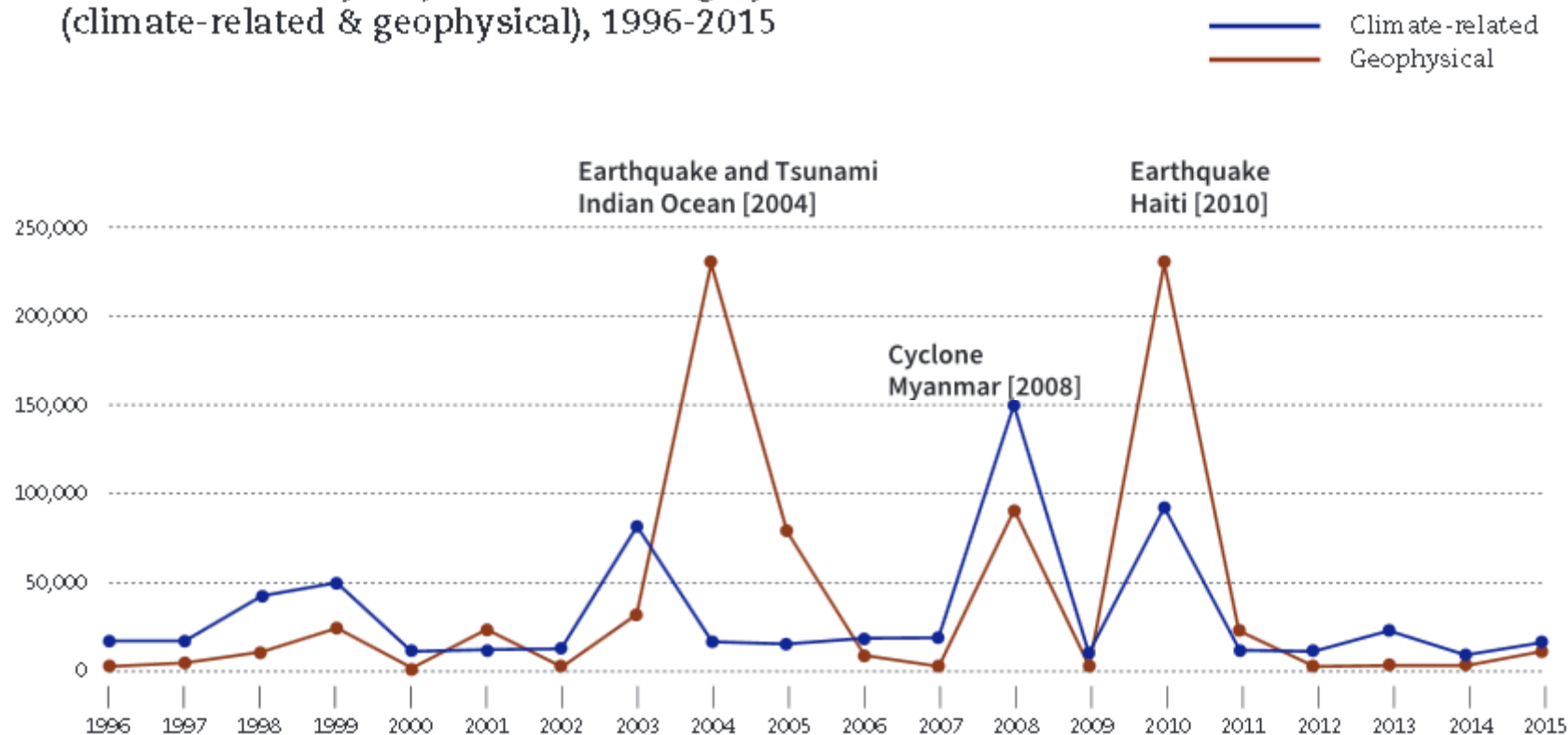
Of the 1.35 million people killed by natural hazards

Natural hazards strike countries regardless of national income, but the severity of the impacts are directly related to development levels.



Impacts of Disasters

Annual deaths by major disaster category
(climate-related & geophysical), 1996-2015



The Economic Impact of Disasters in the last 10 years

€1.2 trillion

Total damage

What is Disaster Risk Management?



- Prevent new disaster risks
- Reduce existing disaster risks,
- Manage residual risks
- Minimize economic and social losses
- Achieve sustainable development

**We cannot stop the disasters,
but can protect
more life with DRM**







Turkey Disaster Management Strategy Document (2018-2022)

Risk Reduction Plan

- Analysing Risk and **define** priority
- Determine **short and long term** actions
- Assign **responsibilities**
- Setting budget
- Monitoring and evaluating actions

Response Plan

- When a disaster/emergency occurred
- Determine basic principles of response
 - Define missions
 - Assigning responsibilities at national and local
 - Assumptions and scenarios

Recovery Plan

- Rehabilitation period
- Shows temporary settlement process
- Social and psychological support
- Reconstruction effected places and infrastructure



- Determine the requirements in DRM
- Produce **policies and strategies**
- **Monitor** implementation
- **Contribute** public awareness
- **Share** lessons learned nationally and internationally.
- **Support** local administrations on disaster risk reduction



53 STAKEHOLDERS

- Public institutions,
- Universities,
- NGO
- Professional associations,
- Media,
- Private sector

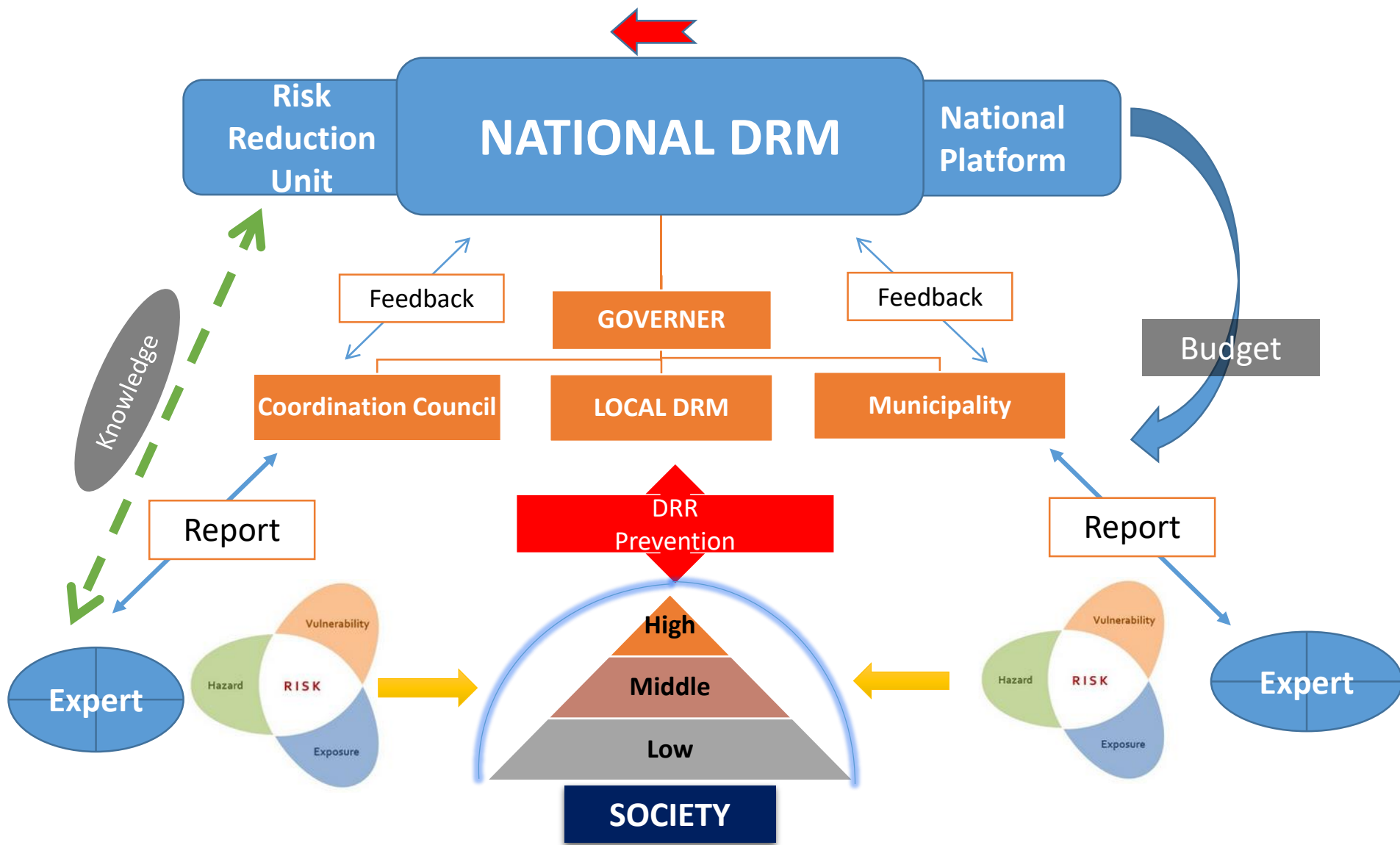


- Produce policy, strategy and solutions
- Approve local plans
- Determine **prevention** measures
- Define **critical facilities** and take measures
- Coordinate public- private sector
- Monitoring implementation and **report to up-level**





National Sub-National mechanism





- Science-based risk assessments
- Multi-sectoral participation in **decision-making** mechanism
- Assign **responsibilities** clearly
- The combination of **top-down/ bottom-up** approach,
- **Concrete** prevention measures
- Provide **all-of-society engagement** and partnership
- Integrated **cross-sectoral** and multi-risk approach

*No single
form for
Integrated
DRM*



Benefits

- Understand priorities
- Reduce losses
- Rising awareness
- Institutional development and positive image
- Continuity of public services
- Efficiently using resource

Challenges

- Acceptability of sectoral
- Acceptability of public
- Addressing risks of all sectors
- Unpredictable or new risks



Peer Reviews

Exchange of good practices



- Reflected the current situation.
- Positive contribute policy-making,
- Provide **mutual learning**
- Raise awareness at all stakeholders
- Accelerated DRM efforts.

**Better
Understanding**

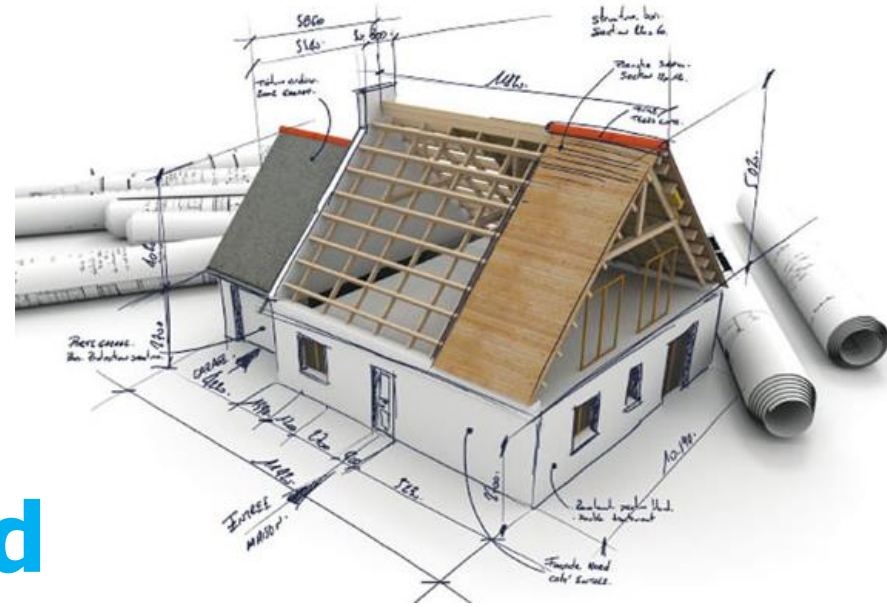




Boulding Codes Earthquake Hazard Maps

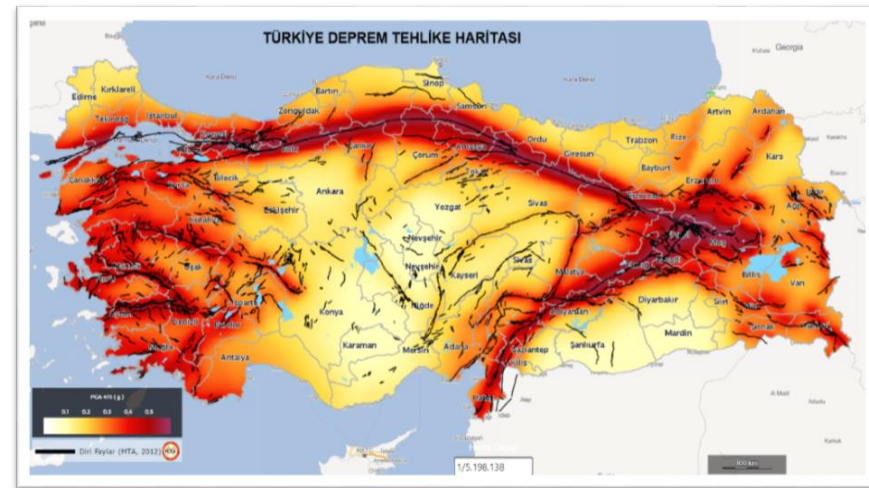


- Determine designing rules
- Design new buildings
- Evaluation of exist buildings
- Under impacts of earthquake

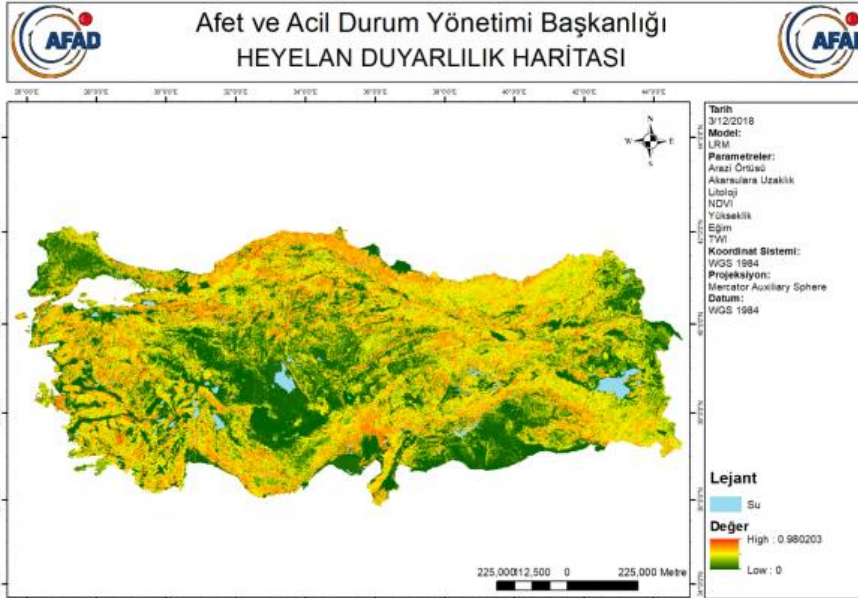


Safe construction and retrofit

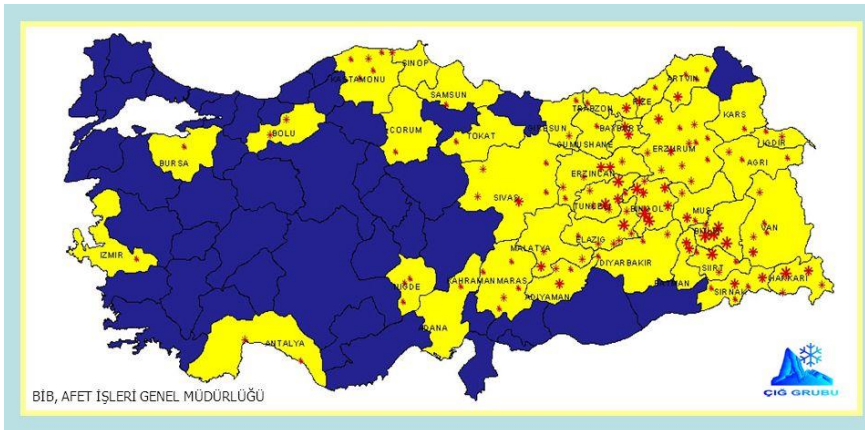
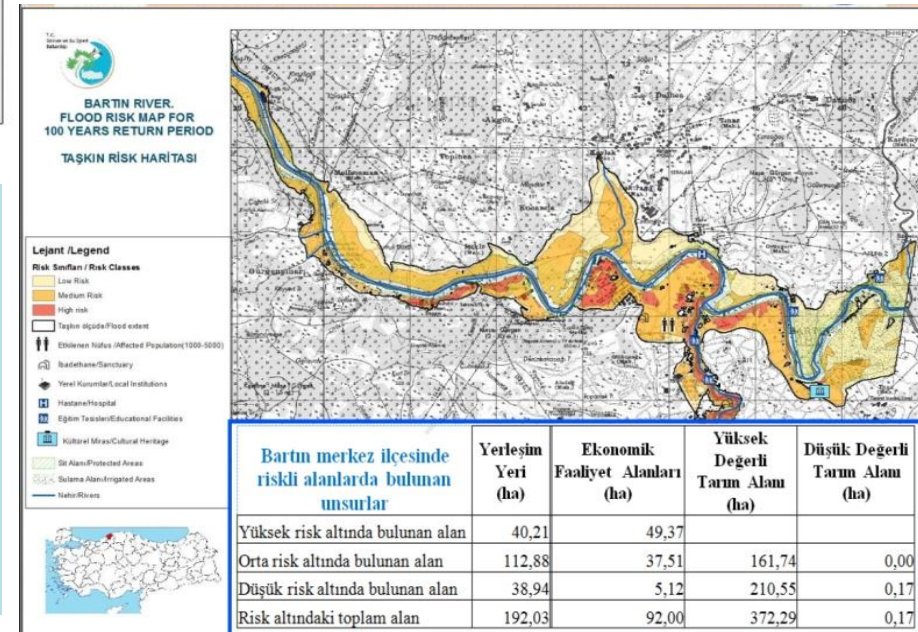
Earthquake Hazard Map of Turkey renewed and published March 18, 2018



Disaster Hazard and Risk Maps



- Learning risk areas
- Prevention of hazards
- Land use planning
- Raise awareness
- Better city planning





- **Provides assurance** for dwellings
- Against **Earthquakes** and caused by earthquakes **fires, explosions, landslides, tsunami**



Policy	: 8.581.654
Total House	: 17.661.690
Insurance rate	: % 48,6

DISASTER-READY TURKEY



Trained Within The
Scope of "Disaster
Ready Turkey Project"
9.250.898 Person



**Disaster-Ready
Workplace**
368 Person
trained employees
of Industrial Institution.



**Disaster-Ready
Family**
1.451.008 Person
trained in disaster
awareness.



DISASTER-READY TURKEY



Disaster-Ready Youth
1790 Person
trained university students
and youth volunteer leaders.



Disaster-Ready School
7.793.970 Person
trained countrywide



Disaster-Ready Disabilities

A total of 60 disable and their families were educated in 2017.



Disaster Volunteers

Disaster Volunteers (140) are founded from the each neighbourhood and they are educated on basic level disaster culture





- The biggest effort in the DRM should be spreading of this culture, understanding and adoption by all.
- Just a ministry/institution should not be responsible from DRM. Responsibilities should spread to all sectors and should be a strong information flow between them.
- Local governments engage local community into the DRM, address their concerns correctly and able to produce local solution.

Resilience Country

**Sustainable
Development**



T.C. BAŞBAKANLIK
Afet ve Acil Durum Yönetimi Başkanlığı

Thank you for your attention

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