



REPUBLIC OF TURKEY
PRIME MINISTRY

Disaster and Emergency Management Presidency

STANDARDIZATION FOR PREPARATION OF NATURAL HAZARD MAPS

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REPUBLIC OF TURKEY
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- ✓ **MASS MOVEMENT GUIDELINE FOR THE PREPARATION OF DISASTER HAZARD MAPS**

ESTABLISHMENT OF AFAD



By the law no 5902 dated year 2009

VALUES AND PRINCIPLES

VALUES

Dedicated

Human focused

Reliable

Sensitive

Self-confident



PRINCIPLES

Openness and Transparency

Participation and Sharing

Accountability

Effectiveness and Efficiency

Consistency and Integration

NATIONAL LEVEL



PRIME MINISTRY

LOCAL LEVEL

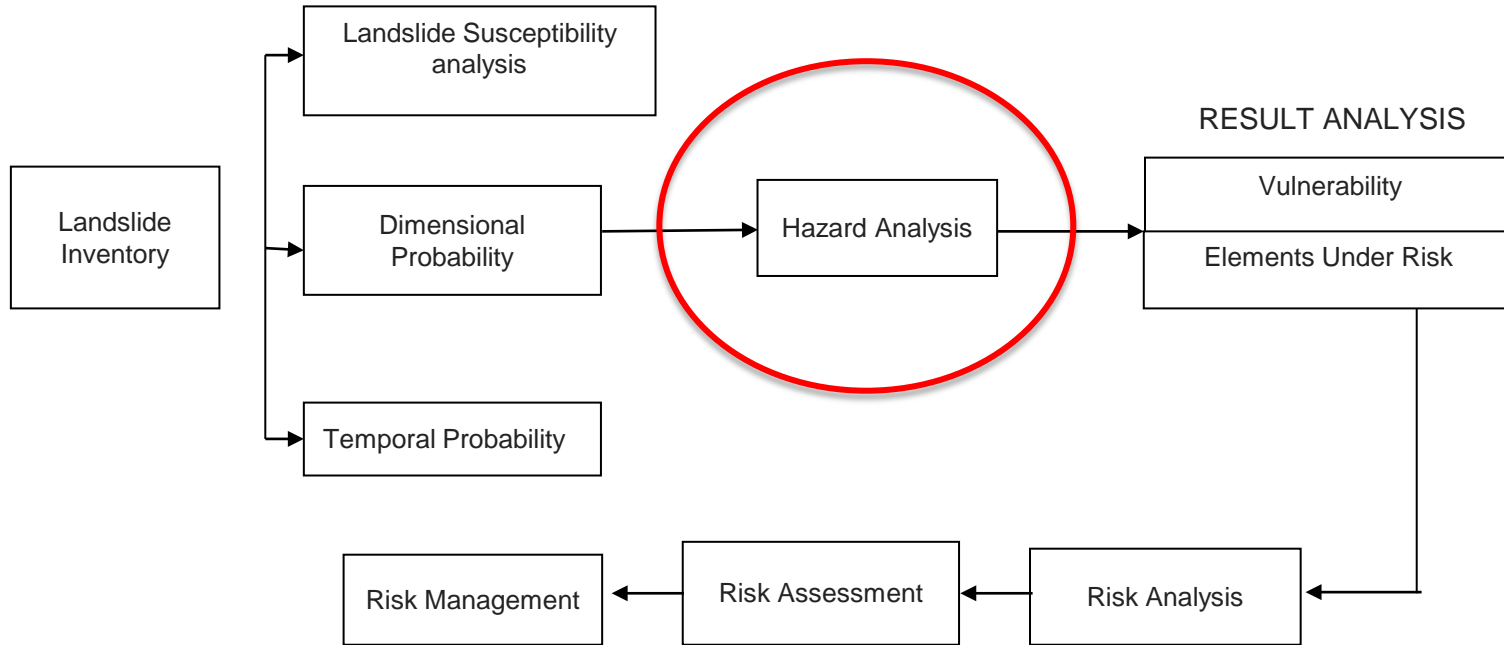
- ✓ AFAD PROVINCIAL DIRECTORATES
- ✓ BRIGADES OF CIVIL DEFENSE SEARCH AND RESCUE (Governorship)

SUSCEPTIBILITY: The concept of subjectively classifying areas with the probability of landslides occurring in the future as a results of assessments conducted considering preparative parameters effective in landslide occurrence

HAZARD:The occurrence probability of a potentially detrimental landslide in a certain region within a certain timeframe

RISK: The Digital value estimating the casualties, damages, and economic losses to be suffered as a result of a landslide at a certain location and at a certain time.

LANDSLIDES RISK ASSESMENT



WHY WE NEED TO PREPARE HAZARD MAPS FOR MASS MOVEMENT?

Disaster Victims						
Disaster Type	Disaster Number	Effective Transfer	Additional Transfer	Ineffective Transfer	Transfer Cancellation	Number of Total Affected Disaster Victims
Landslide	13494	65759	2622	3998	13034	59345
Rock-Fall	2956	19699	935	2442	3654	19422
Flood	4067	29020	506	1197	8566	22157
Earthquake	5318	157794	45	637	235	158241
Other Disasters	1175	11309	8	85	2165	9237
Avalanche	731	4409	181	336	542	4384
Multiple Disasters	2024	17221	629	838	6478	12210
Unclassified Disasters	42	0	0	0	0	0
Total	29807	305211	4926	9533	34674	284996

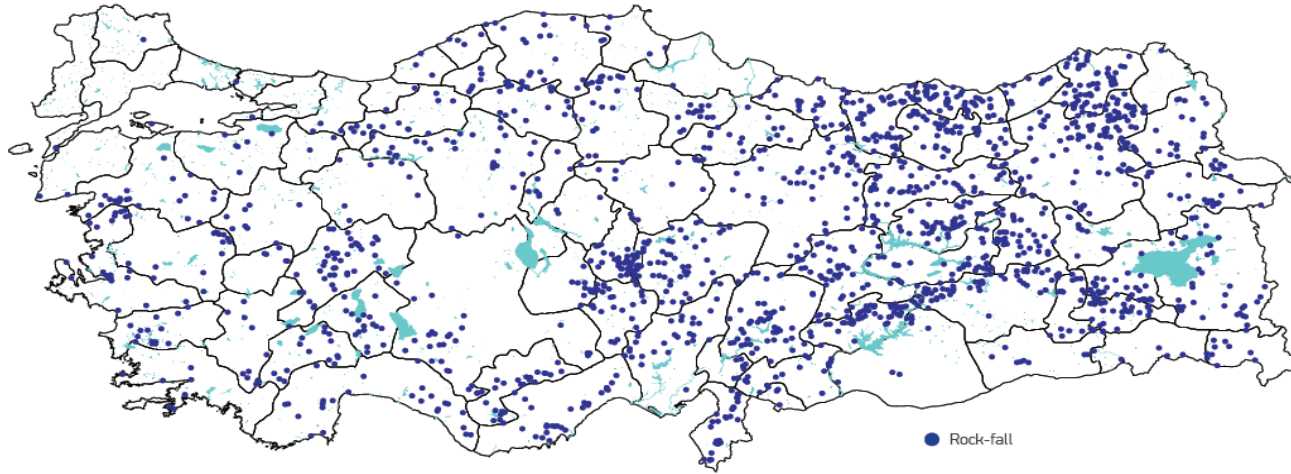
Number of disasters and disaster victims according to disaster type (Gökçe et al., 2008).

WHY WE NEED TO PREPARE HAZARD MAPS FOR MASS MOVEMENT?



Locational distribution of landslides in Turkey between 1950 and 2008 (Gökçe et al., 2008).

WHY WE NEED TO PREPARE HAZARD MAPS FOR MASS MOVEMENT?



. Locational distribution of rock-falls occurring in Turkey between 1950 and 2008 (Gökçe et al., 2008).

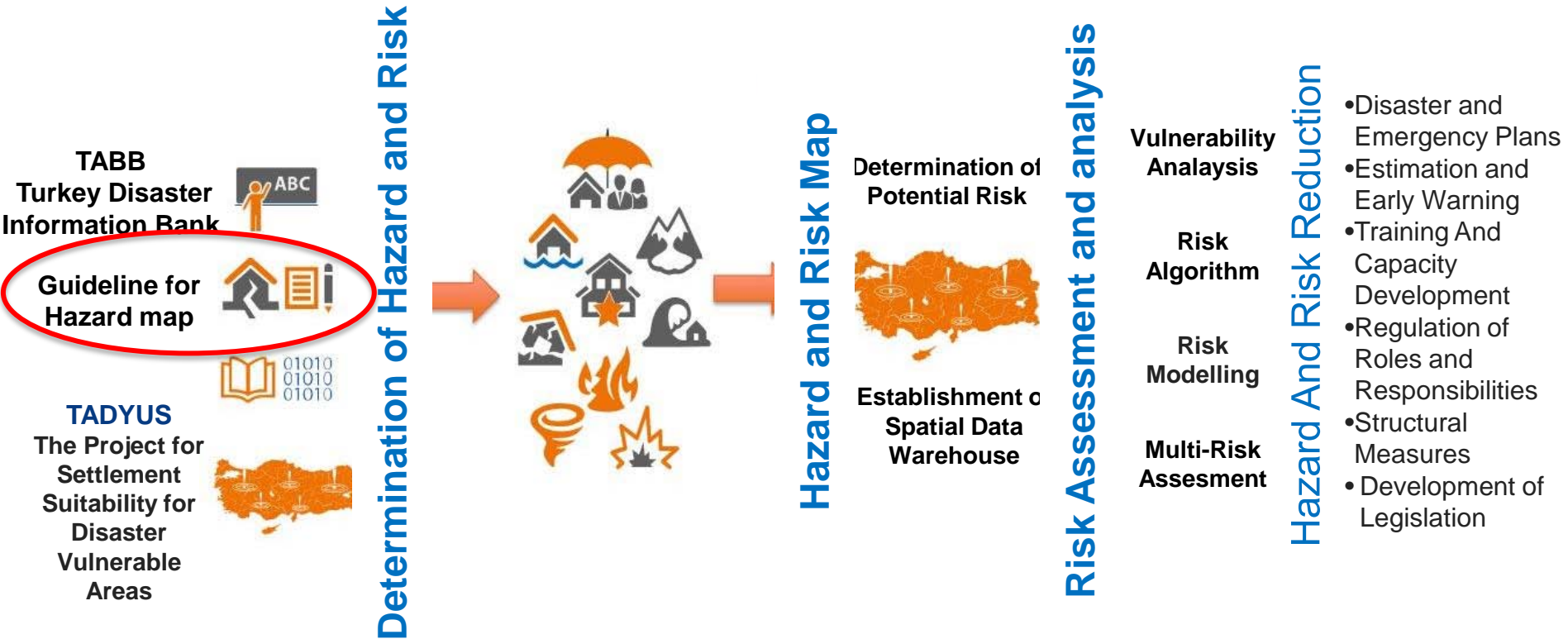
MASS MOVEMENT GUIDELINE FOR THE PREPARATION OF DISASTER HAZARD MAPS

MASS MOVEMENT GUIDELINE FOR THE PREPARATION OF DISASTER HAZARD MAPS

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- LANDSLIDES AND THEIR GENERAL CHARACTERISTICS
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- ROCK-FALL ANALYSIS
- LANDSLIDE GLOSSARY

MASS MOVEMENT GUIDELINE FOR THE PREPARATION OF DISASTER HAZARD MAPS





THANK YOU FOR YOUR ATTENTION

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