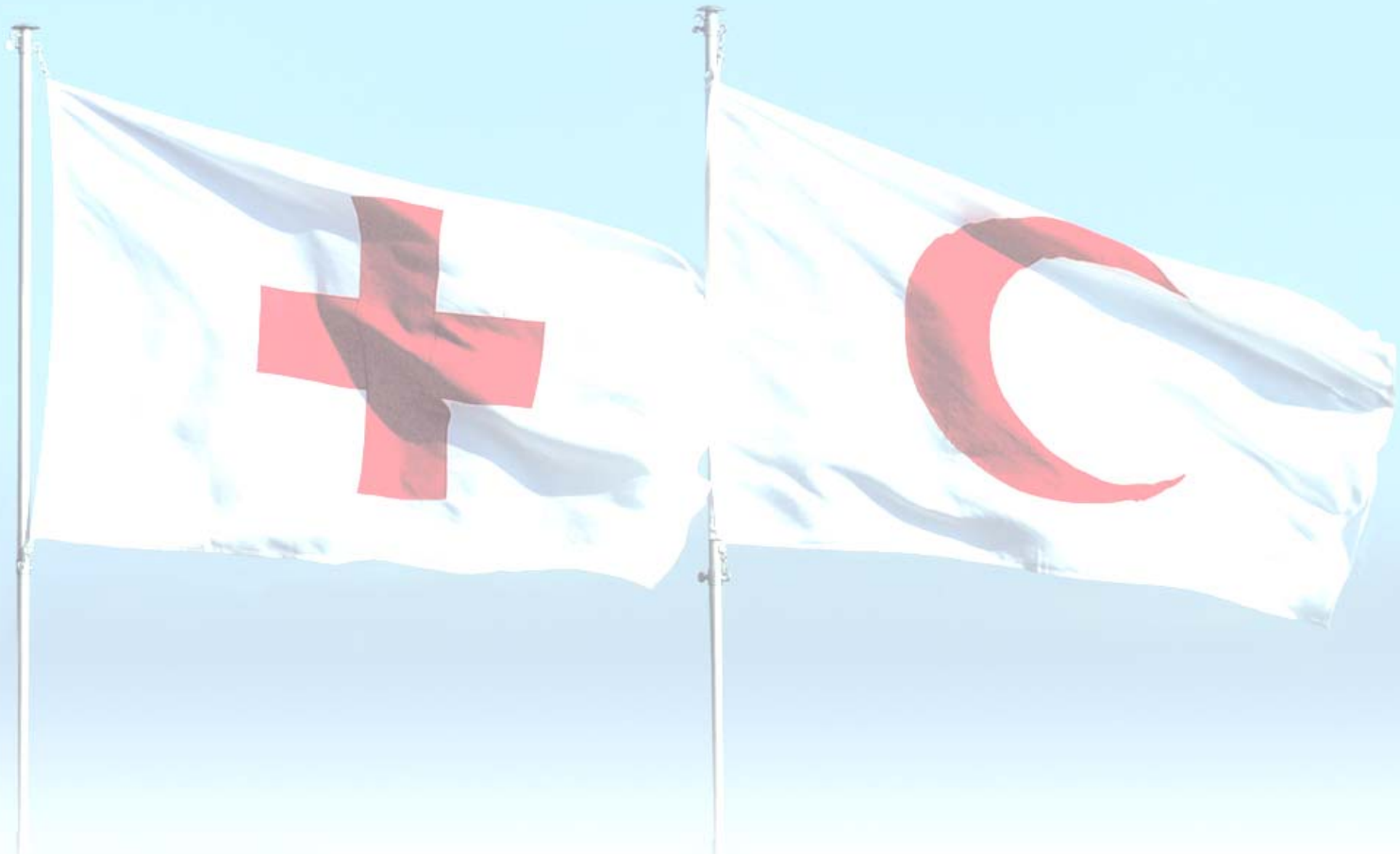




International Federation
of Red Cross and Red Crescent Societies



**INTERNATIONAL FEDERATION OF RED CROSS & RED CRESCENT
SOCIETIES**

(IFRC)



Outline of the presentation

- *An Introduction to the Federation*
- *Disasters in Turkey, 1999 Marmara Earth. and its' Implications from Different Aspects*
- *How the Federation/NSs/International Humanitarian Agencies Responded to the Earthquakes*
- *Disaster Risk Management/Reduction and A Case Study From Turkey*
- *Conclusions*



The Federation of the Future

■ ***Our Vision:***

“We strive, through voluntary action, for a world of empowered communities, better able to address human suffering and crises with hope, respect for dignity and a concern for equity.”

■ ***Our Mission:***

“To improve the lives of vulnerable people, by mobilising the power of humanity”



The Federation





The Federation

THE FUNDAMENTAL PRINCIPLES

- **Humanity**
- **Impartiality**
- **Neutrality**
- **Independence**
- **Voluntary Service**
- **Unity**
- **Universality**





What The Federation Does

- ***Humanitarian Values***
- ***Disaster Response***
- ***Disaster Preparedness***





What The Federation Does

- ***Health and Community Care***
- ***Capacity Building***





Disasters in Turkey, the Marmara Earthquake and its' Implications

- ***Geographical and Geological Characteristics***
- ***People are vulnerable to Disasters***
- ***Damage Ratio:***
 - ***Earthquakes*** : ***66 %***
 - ***Floods*** : ***15 %***
 - ***Landslides*** : ***10 %***
 - ***Rock Falls*** : ***7 %***
 - ***Meteo*** : ***2 %***



Disasters in Turkey, the Marmara Earthquake and its' Implications

- *Major part sitting on the earthquake zones*
- *44 % of the Population living in the first zone*
- *98 % of the Population living with the threat*
- *95 % of the land of the two most developed regions are located in first degree earthquake zone*



Disasters in Turkey, the Marmara Earthquake and its' Implications

- *In the second half of 1999, two major earthquakes struck Marmara Region*
- *İzmit Earthquake:*
 - *18.000 deaths*
 - *44.000 injured*
 - *300.000 homes damaged/collapsed*
- *Düzce/Kaynaşlı Earthquake:*
 - *845 deaths*
 - *4.948 injured*



Disasters in Turkey, the Marmara Earthquake and its' Implications

- ***According the World Bank Assessment Report prepared in 1999***
 - ***Wealth Loss of USD 3 – 6.5 BILLION (1.5-3.3 % OF GNP)***
 - ***Indirect Costs equivalent to USD 1.2 – 2 BILLION***
 - ***Negative Social Impact***
 - ***Fatality Rate : 14.3 more than five times normal rate***
 - ***400.000 – 600.000 people homeless***
 - ***114.000 School aged children homeless***
 - ***Unemployment rate in affected area 20-50 %. An added burden on Turkey's Social Protection System.***



Disasters in Turkey, the Marmara Earthquake and its' Implications

Table 2: Marmara Earthquake Preliminary Damage Assessment

Sector	Damage Assessment (US\$ million)	
	Lower Bound	Upper Bound
Housing	1,100	3,000
Municipal Infrastructure	70	70
Environment	n.a.	n.a.
Roads, bridges, and highways	78	78
Ports	12	12
Railways, railcar factory	72	72
Telecoms	38	38
Electricity	82	82
Oil and Gas (includes Tuzlas Refinery)	387	387
Enterprises (rounded)	1,100	2,600
Education	100	100
Health	37	37
TOTAL	3,076	6,476



Disasters in Turkey, the Marmara Earthquake and its' Implications

- ***Government Response to the Earthquakes***
 - ***Severe Criticism***
 - ***Damaged Telecommunication System***
 - ***Heavy Human Toll and Extensive Material Damage***
 - ***Inadequate coverage of Earthquake Insurance in housing***
- ***Upgrading the Emergency Response System***
- ***Implementing more effective mechanisms to enforce the building codes***
- ***Introducing a national compulsory disaster insurance system.***

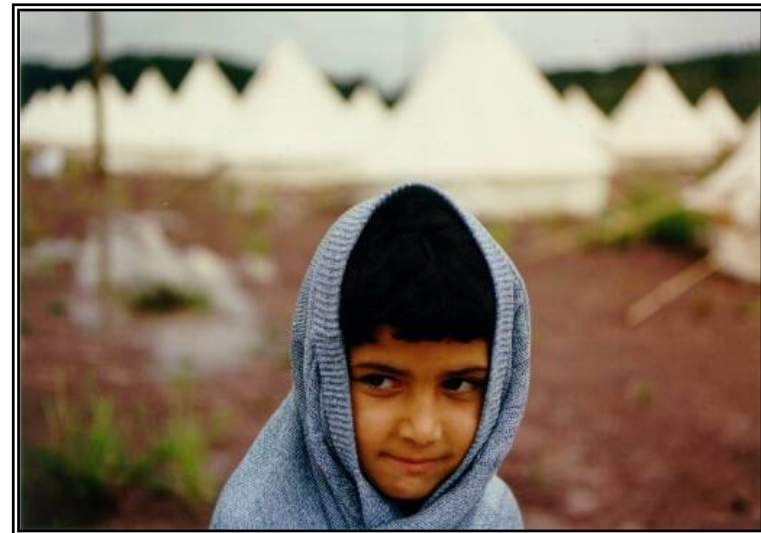


- ***How the Federation/PNs/International Humanitarian Agencies responded to the earthquakes***
 - ***Emergency Response***
 - ***Post - Emergency***
 - ***Rehabilitation/Reconstruction***
 - ***Preparedness***



How responded

- ***Emergency Response***
 - ***6 tent camps***
 - ***25.000 sheltered***
 - ***40.000 summer tent***
 - ***Relief items distributed***
 - ***Mobile kitchens***
 - ***Water and Sanitation***





How responded

- ***Emergency Response***
 - ***Fed Logs. Support***
 - ***Telecom support Japanese Red Cross***
 - ***70 unit prefabricated house Belgian RC***
 - ***208 flats funded by Iraqi RC***
 - ***2.000 winter tents and 20 sanitary containers by Swiss RC***
 - ***ECHO***
 - ***Oxfam***
 - ***Water & Sanitation***
 - ***Health***





How responded

- ***Post-Emergency***





How responded

- ***Rehabilitation/Reconstruction***
 - ***Social Welfare Programmes***
 - ***PSP Programmes***
 - ***Reconstruction of Water Pipeline in Kandira***
 - ***Rehabilitation/Reconstruction of Health, Educational and Social Facilities***



How responded

- ***Preparedness***
- ***TRCS Restructuring process in 2000***
- ***Disaster Preparedness, Response and Management Programme***
- ***Logistics and Warehousing Systems***
- ***Disaster Operation Center***
- ***Telecommunication***
- ***Emergency Health Workshop***
- ***First Aid Trainings***





Disaster Risk Management/Reduction and A Case Study from Turkey

- ***Hyogo Framework For Action (HFA)***
- ***ProVention***
- ***The Federation, Disaster Preparedness and Risk Reduction***
- **Strengthening disaster preparedness planning**
- **Building effective disaster response mechanisms**
- **Raising community awareness and public education**
- **Disaster mitigation and reduction.**



Disaster Risk Management/Reduction and A Case Study from Turkey

- **Strengthening disaster preparedness planning**
 - **110 National Societies**
 - **60 programmes**
 - **Training in better programming initiative (BPI)**
 - **Vulnerability and capacity assessment (VCA)**
 - **Well-prepared National Societies self-assessment questionnaire**
 - **Disaster management and regional disaster response teams (RDRT) training provided**
 - **Support given to National Societies**
 - **Advocate for national and community level disaster plans with National Societies.**



Disaster Risk Management/Reduction and A Case Study from Turkey

- **Supporting national Red Cross and Red Crescent societies to build safer communities**
 - **Mapping and monitoring of hazards**
 - **Disaster Management Information Systems (DMIS).**
 - **Training National Societies and communities**
 - **Public awareness and education campaigns.**



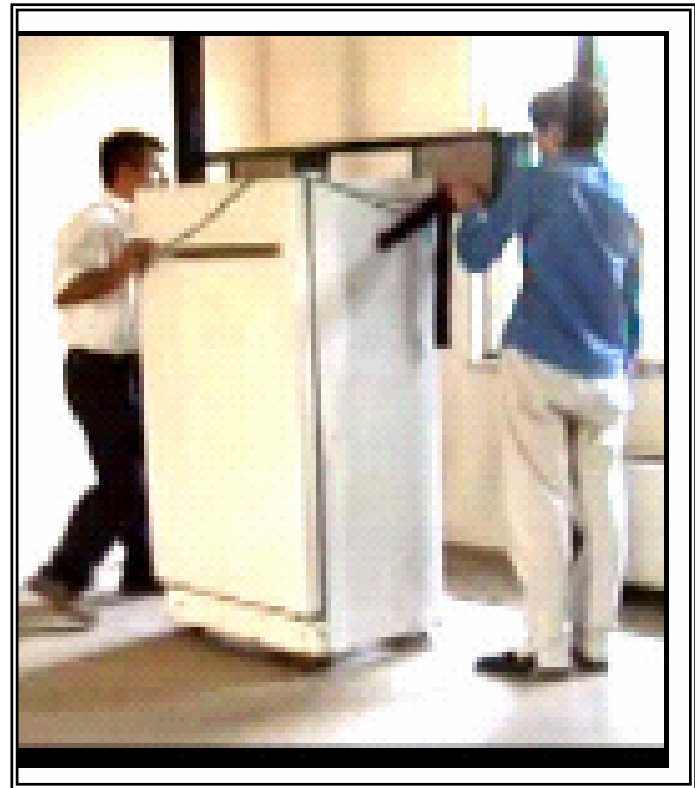
Disaster Risk Management/Reduction and A Case Study from Turkey

- **A Case Study: Non-Structural Mitigation in Turkey**
- **Based on the results derived from the earthquakes**
- **Community Risk Reduction Programme**



Disaster Risk Management/Reduction and A Case Study from Turkey

- **A Case Study: Non-Structural Mitigation in Turkey**
- **Aiming to promote a nationwide culture of mitigation**
- **Changes Stimulated by the Experience**





Conclusion

- **The measures (disaster preparedness) before the disasters**
- **The well-prepared reaction (disaster response) to save the human lives.**
- **Culture of risk reduction**
- **Istanbul, economic and industrial capital of Turkey**



THANK YOU...