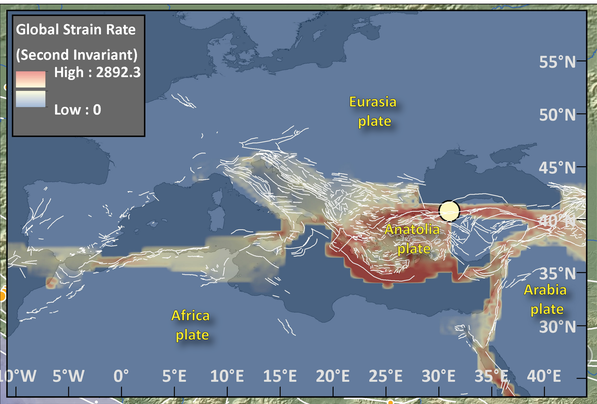
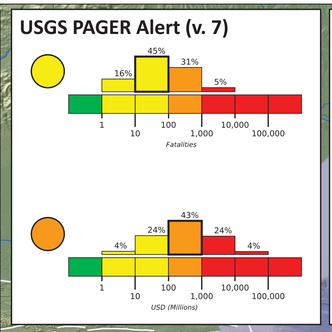
Earthquake Report: 2022.11.23

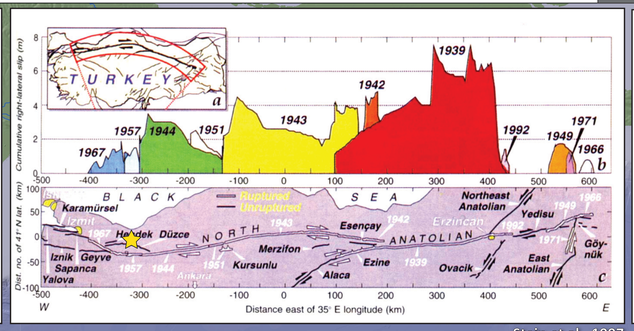
M 6.1 Turkey (& USGS Seismicity 1922-2022 M ≥ 6.0)

Mechanism Types: Normal Fault, Thrust Fault, Strike-Slip Fault

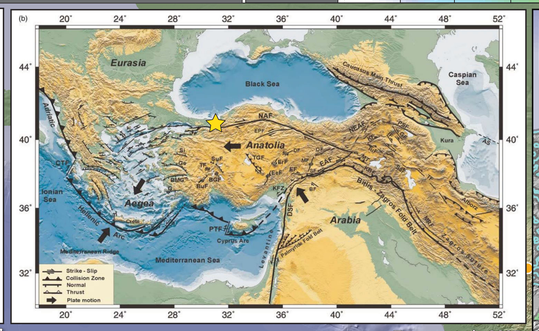
SHAKING	Not Felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
DAMAGE	None	None	None	Very Light	Light	Moderate	Moderate/Heavy	Heavy	Very Heavy
PGA (%g)	<0.05	0.3	2.76	6.2	11.5	21.5	40.1	74.7	>139
PGV (cm/s)	<0.02	0.13	1.41	4.65	9.64	20	41.4	85.8	>178
INTENSITY	1	2-3	4	5	6	7	8	9	10



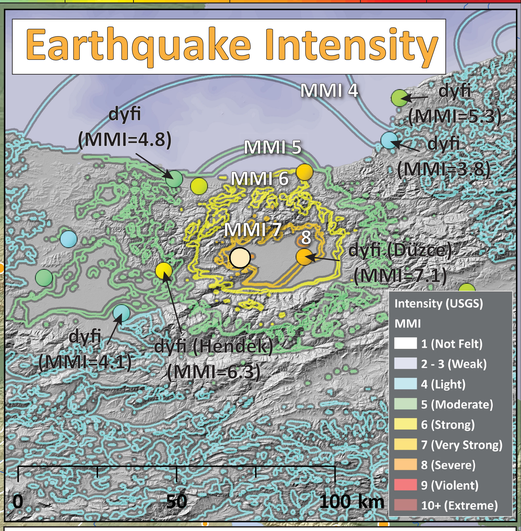


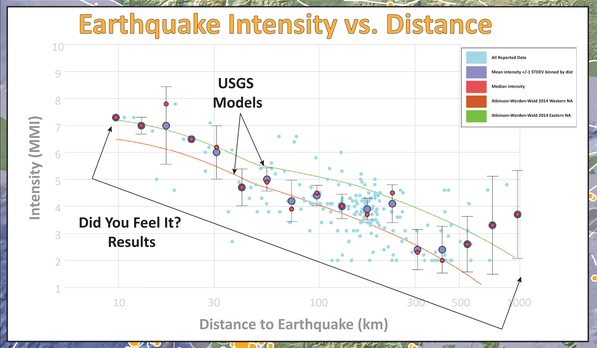


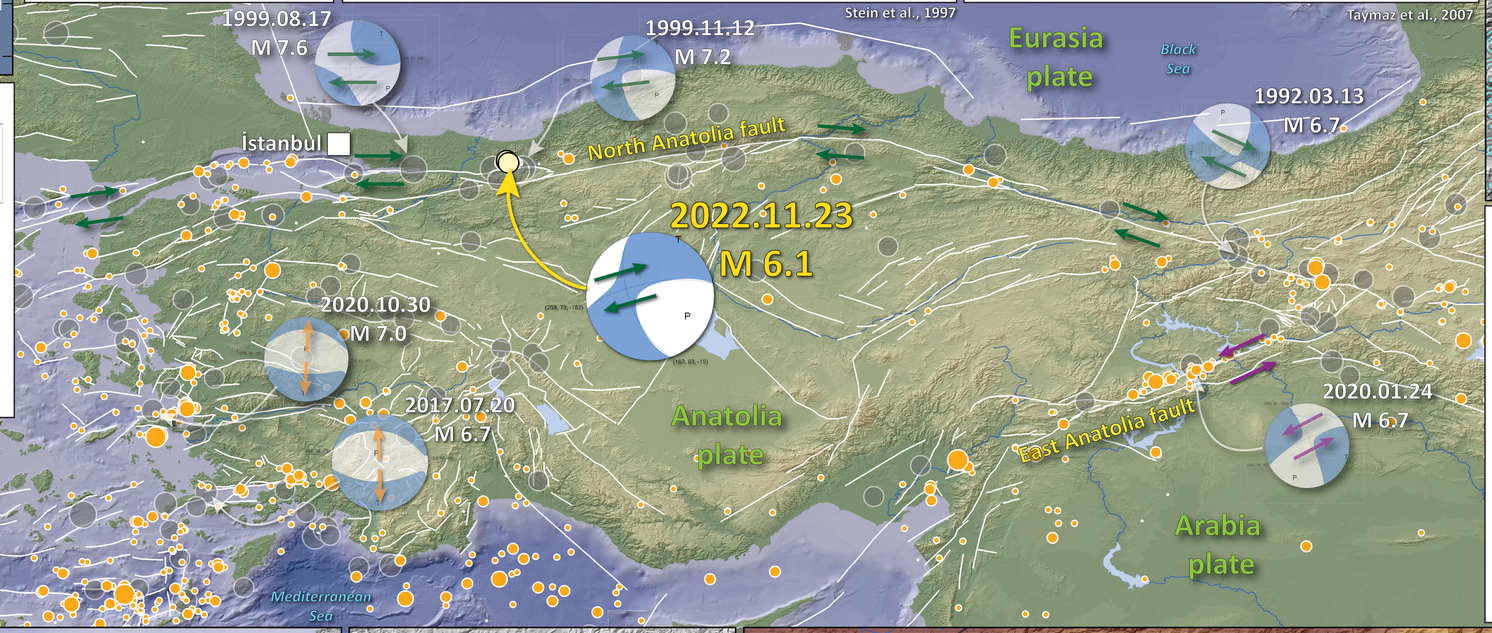
Stein et al., 1997

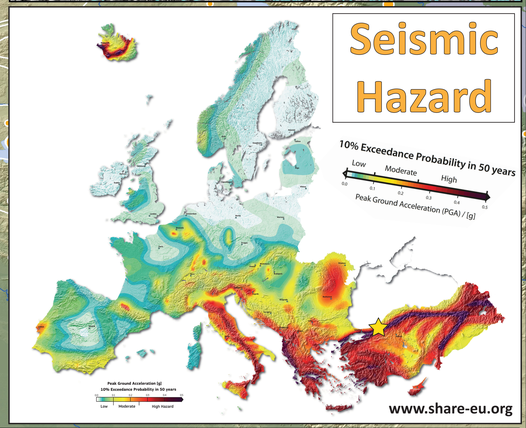


Taymaz et al., 2007









23 Nov '22 M 6.1 (EMSC)
23 Nov '22 M 6.1 (USGS)
Seismicity (EMSC - 3 month) magnitude
0.5 - 2.0
2.1 - 3.0
3.1 - 4.0
4.1 - 5.0
5.1 - 6.1
Fault (DISS)
Lake
River
Seismicity (USGS - 1 century) magnitude
6.0 - 6.5
6.6 - 7.0
7.1 - 7.5
7.6 - 8.1
Elevation: High / Low
Depth: Shallow / Deep
Elevation:
GMRT - Ryan et al. (2009)
ALOS World 3D™(AW3D)
Faults:
1 - Global Earthquake Model (GEM)
2 - SHARE - Giardini et al., 2013
doi: 10.12686/SED-00000001-SHARE
0 50 100 200 Miles
0 62.5 125 250 Kilometers
Made with Natural Earth
CSEM EMSC
GEM GLOBAL EARTHQUAKE MODEL working together to assess risk
DISS
Jason R. Patton earthjay.com © 2022
USGS science for a changing world

