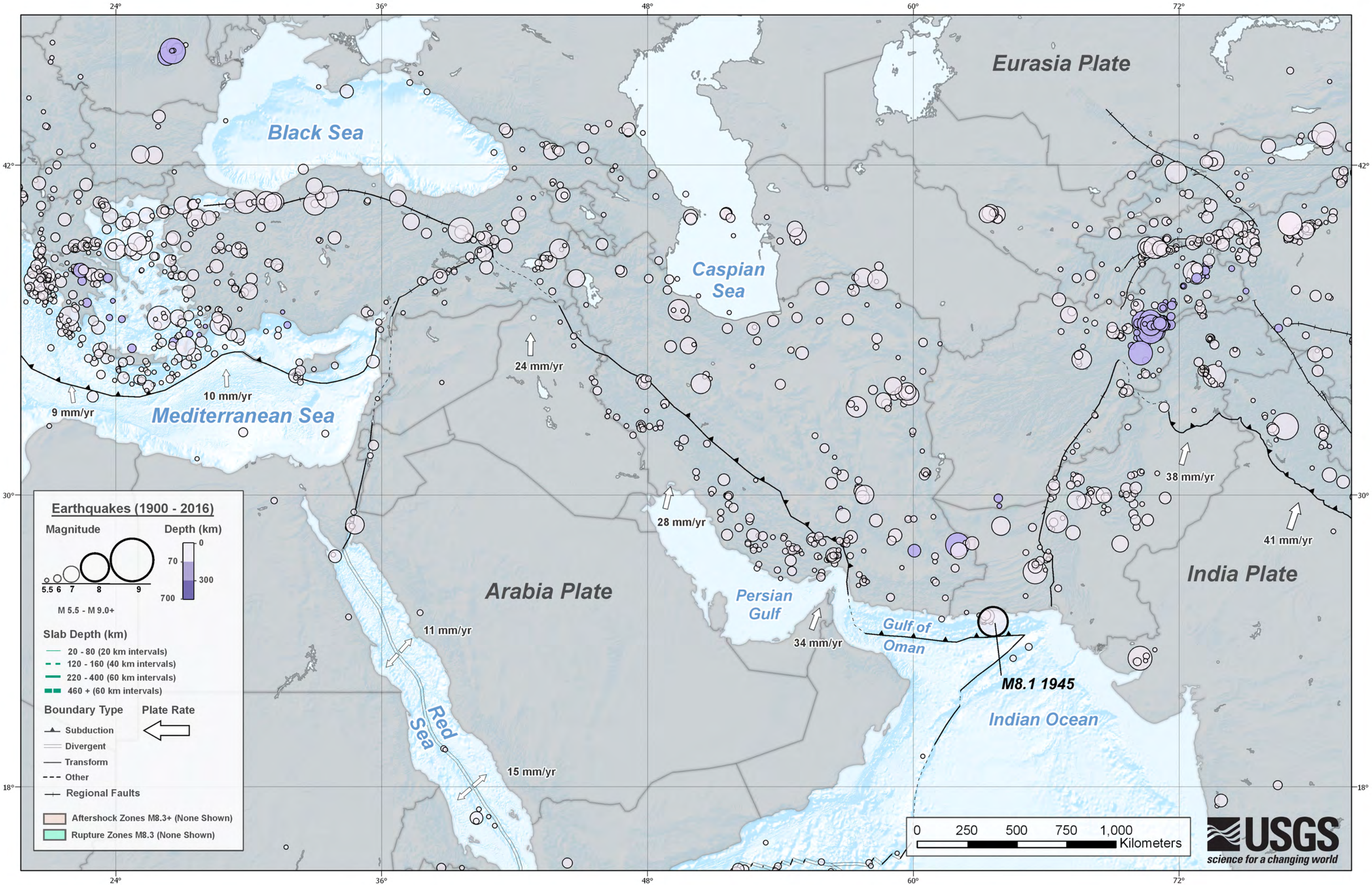
Eurasia Plate
Black Sea
Caspian Sea
Mediterranean Sea
Arabia Plate
India Plate
Persian Gulf
Gulf of Oman
Indian Ocean
Red Sea
M8.1 1945
9 mm/yr
10 mm/yr
24 mm/yr
28 mm/yr
34 mm/yr
11 mm/yr
15 mm/yr
38 mm/yr
41 mm/yr
Earthquakes (1900 - 2016)
Magnitude
Depth (km)
5.5 6 7 8 9
0
70
300
700
M 5.5 - M 9.0+
Slab Depth (km)
20 - 80 (20 km intervals)
120 - 160 (40 km intervals)
220 - 400 (60 km intervals)
460 + (60 km intervals)
Boundary Type
Plate Rate
Subduction
Divergent
Transform
Other
Regional Faults
Aftershock Zones M8.3+ (None Shown)
Rupture Zones M8.3 (None Shown)
0 250 500 750 1,000
Kilometers
USGS
science for a changing world
24°
36°
48°
60°
72°
42°
30°
18°