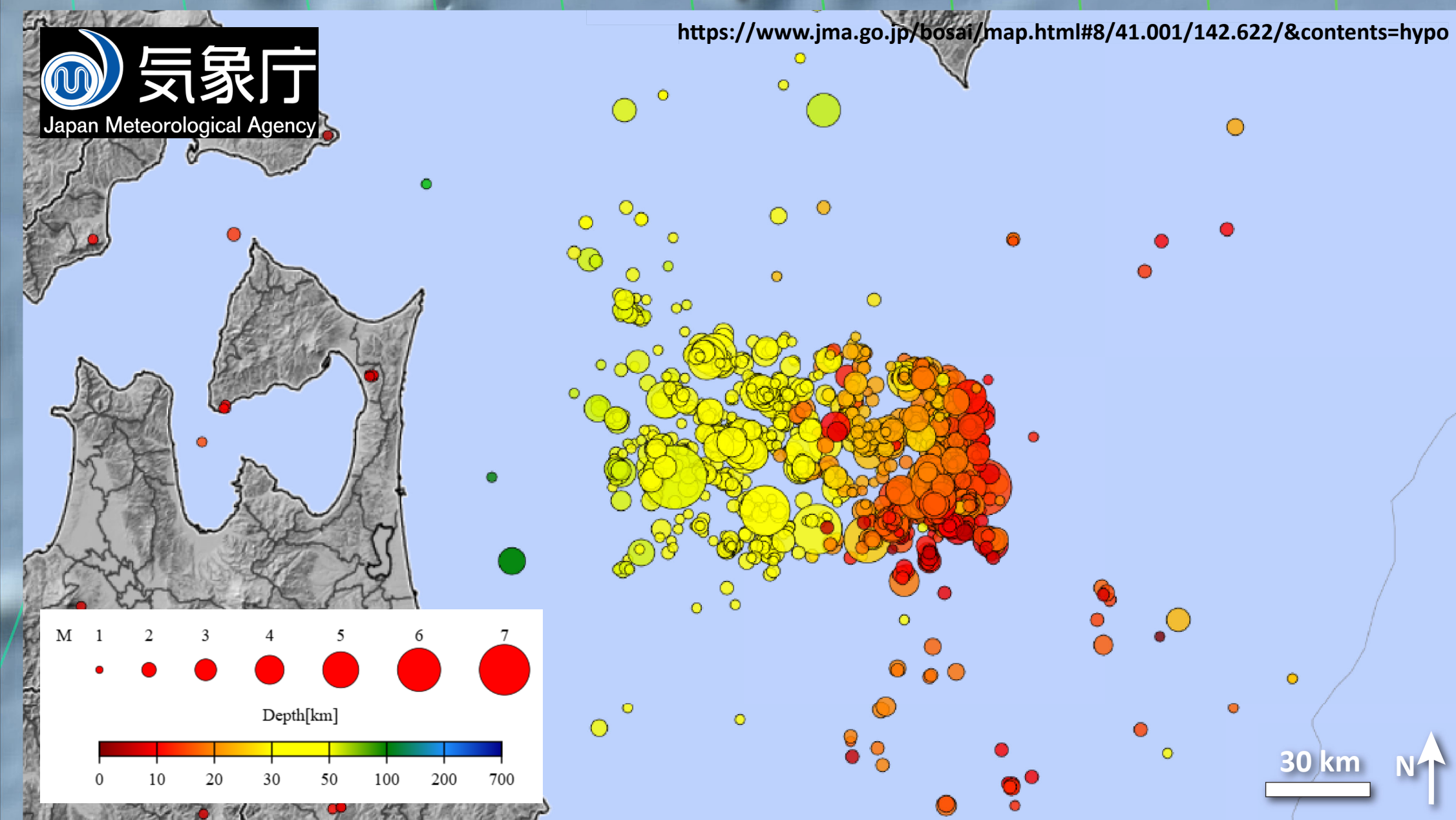
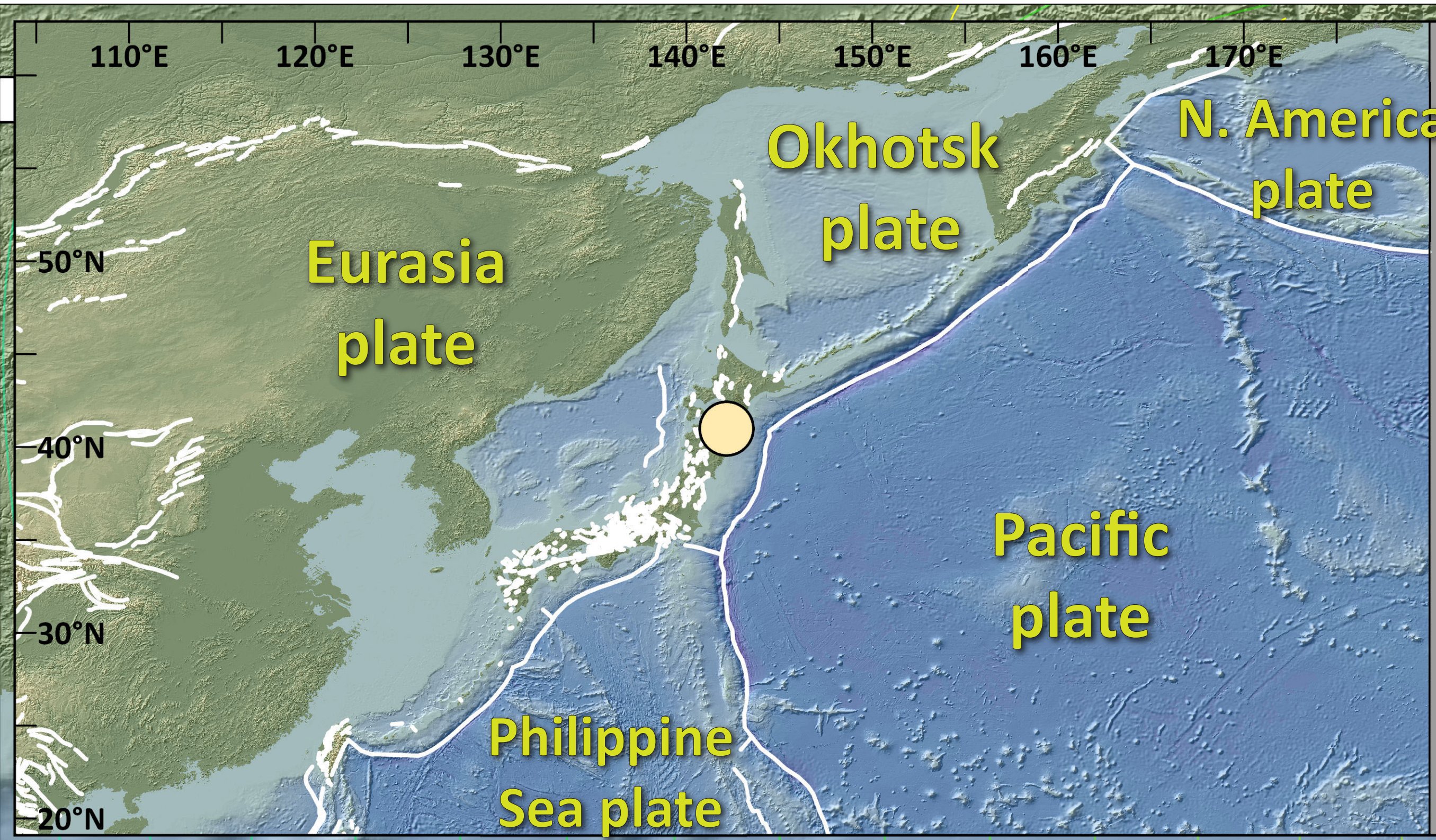


Earthquake Report: 2025.12.08

M 7.6 Japan(& USGS Seismicity 1925-2025 M ≥ 7.0)

Mechanism Types	Normal Fault			Thrust Fault			Strike-Slip Fault						
	Top View												
	Side View												
	Side View												
SHAKING				Not Felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme	
DAMAGE				Note	None	None	Very Light	Light	Moderate	Moderate/Heavy	Heavy	Very Heavy	
PGA (%)				<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	



8 Dec '25 M 7.6

seismicity (USGS - 1 month)

magnitude

- 0.0 - 1.0
- 1.1 - 2.0
- 2.1 - 3.0
- 3.1 - 4.0
- 4.1 - 5.0
- 5.1 - 6.0
- 6.1 - 7.0
- 7.1 - 7.6

Depth to Slab (km)

0 50 100 150 200 250 300 350 400 450 500 550 600 650 700

8 Dec '25 M 7.6 Aftershocks Fault

11 March '11 M 9.1

2011 M 9.1 Aftershocks

seismicity (USGS - 1 century)

magnitude

- 7.0 - 7.5
- 7.6 - 8.0
- 8.1 - 8.5
- 8.6 - 9.0
- 9.1 - 9.5

Crustal (CCOP)

(GEM)

Populated Place

Topography: GMRT Ryan et al., 2009 DOI: 10.1029/2008GC002332

Natural Earth

Jason R. Patton earthjay.com © 2025

CCOP

GEM GLOBAL EARTHQUAKE MODEL working together to assess risk

USGS science for a changing world

0 100 200 Miles

0 150 300 Kilometers

