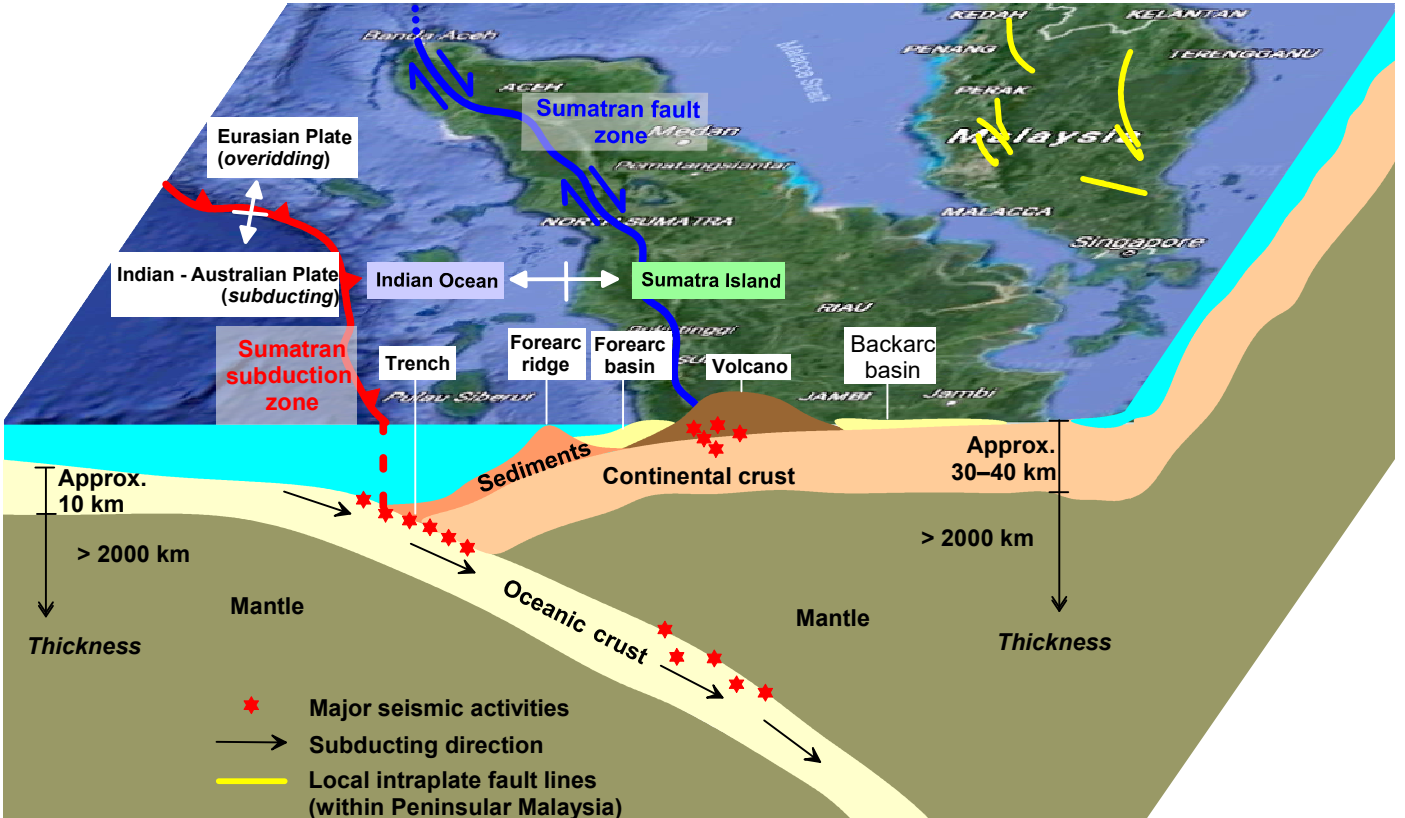
Eurasian Plate
(overidding)
Indian - Australian Plate
(subducting)
Indian Ocean
Sumatra Island
Sumatran fault zone
Sumatran subduction zone
Trench
Forearc ridge
Forearc basin
Volcano
Backarc basin
Sediments
Continental crust
Approx. 10 km
> 2000 km
Mantle
Thickness
Oceanic crust
Approx. 30–40 km
> 2000 km
Mantle
Thickness
Major seismic activities
Subducting direction
Local intraplate fault lines
(within Peninsular Malaysia)
Banda Aceh
ACEH
Medan
NORTH SUMATRA
RIAU
Pulau Siberut
JAMBI
Jambi
Malacca Strait
KEDAH
KELANTAN
PENANG
TERENGGANU
PERAK
Malaysia
MALACCA
Singapore