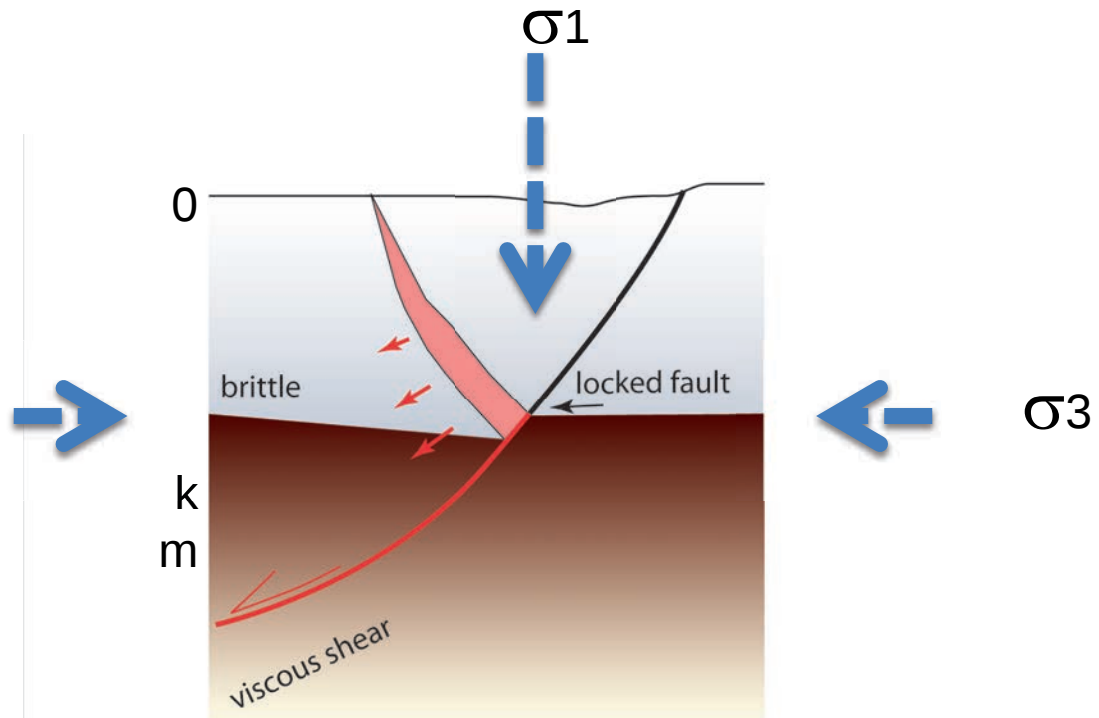
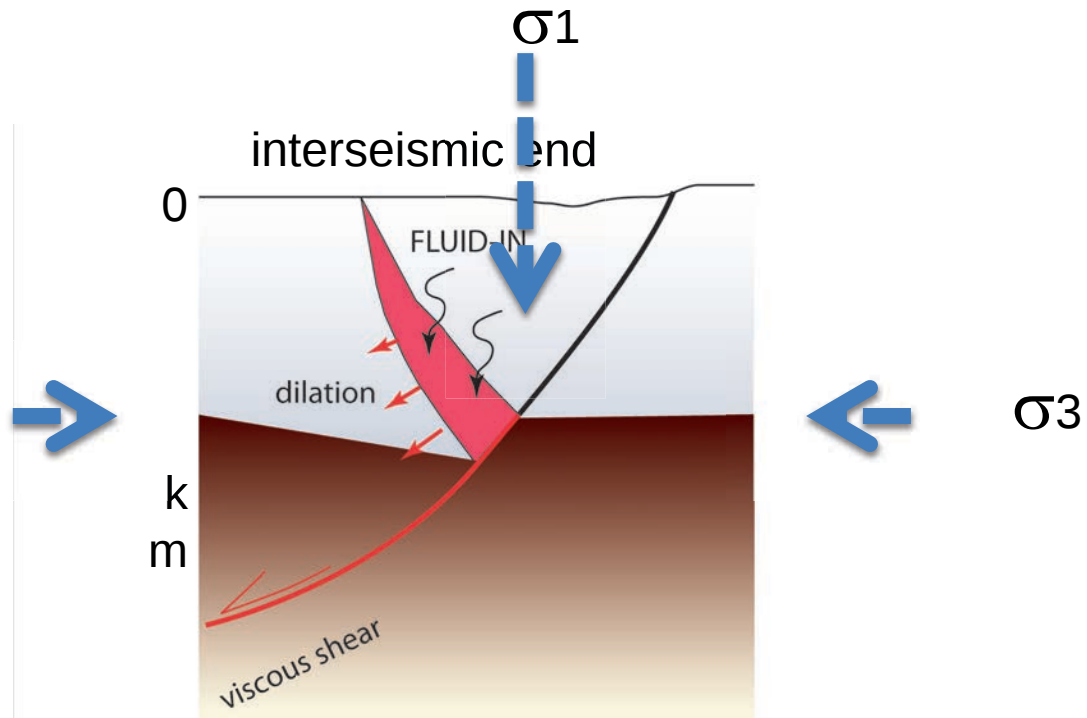
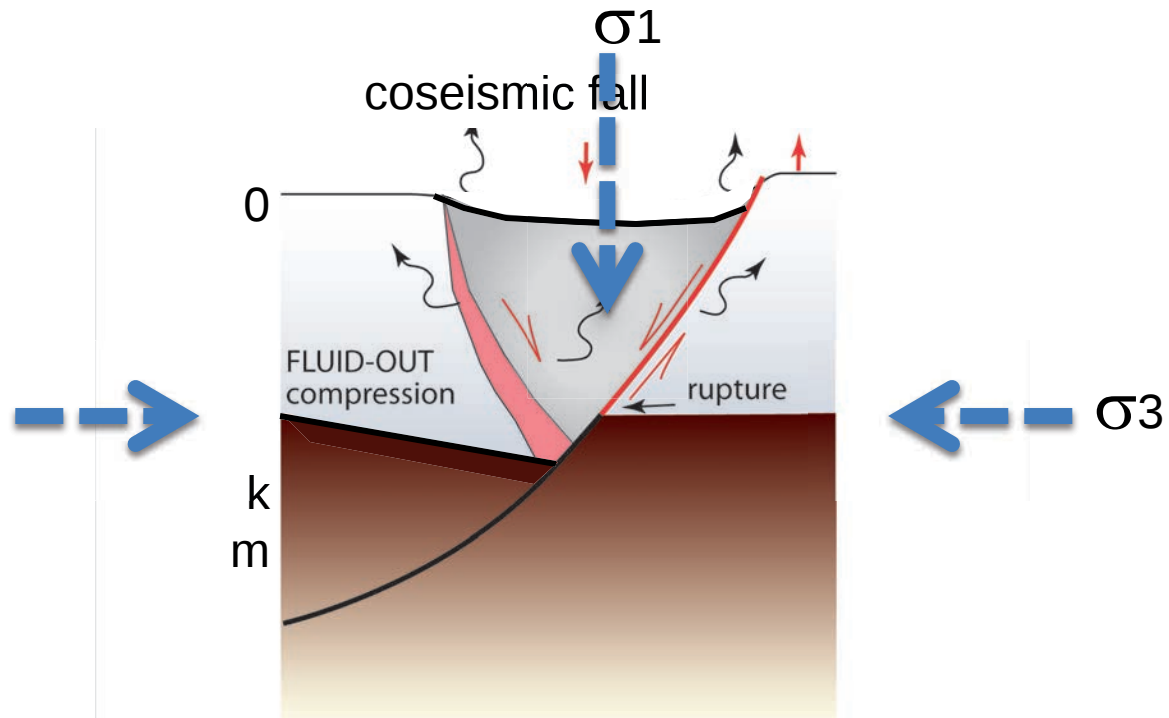
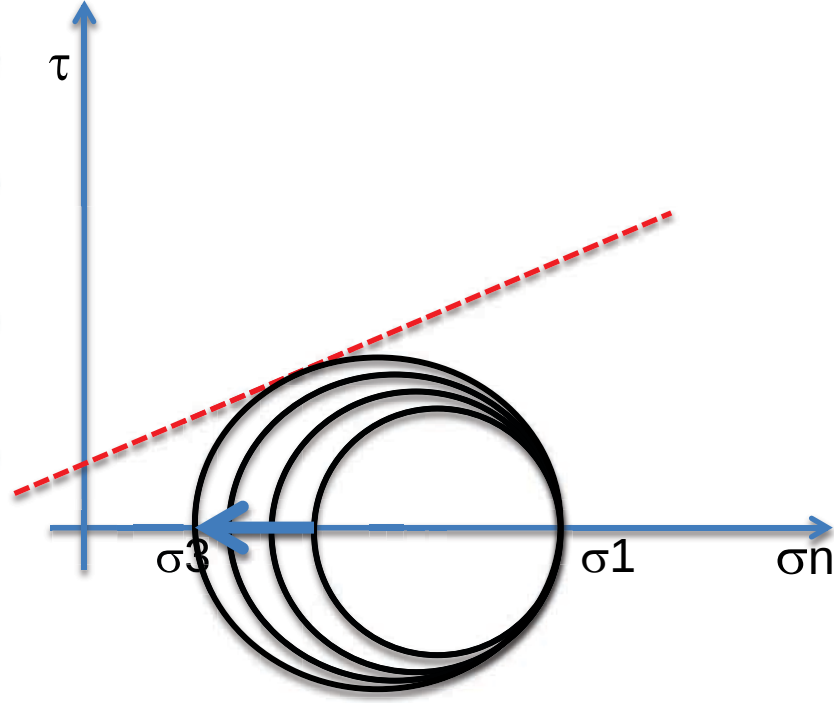
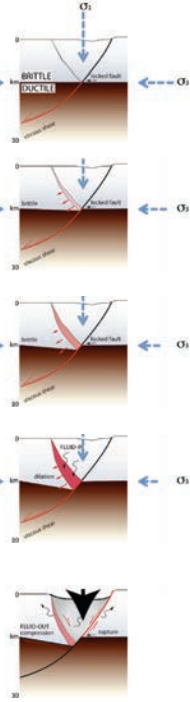


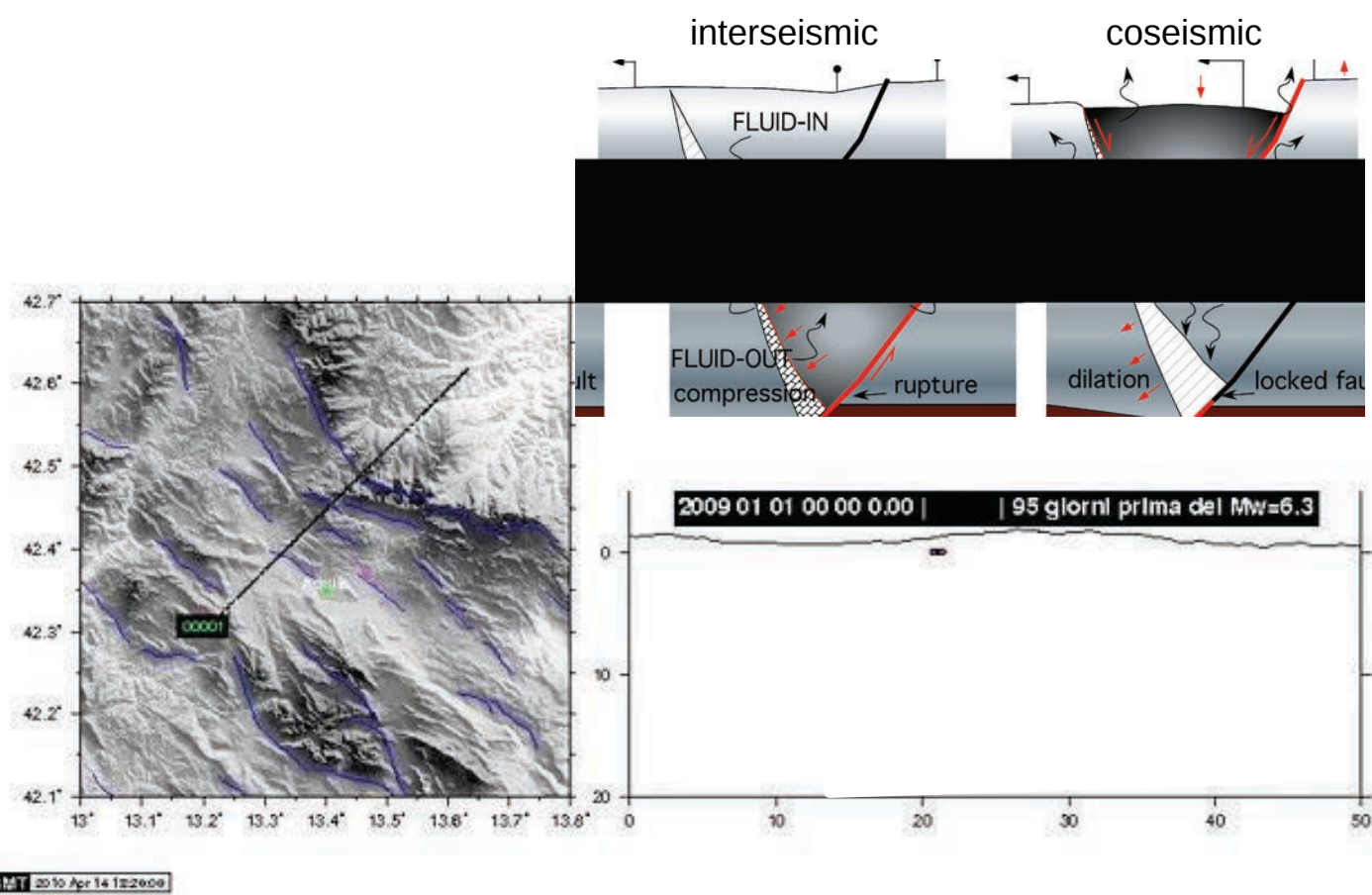




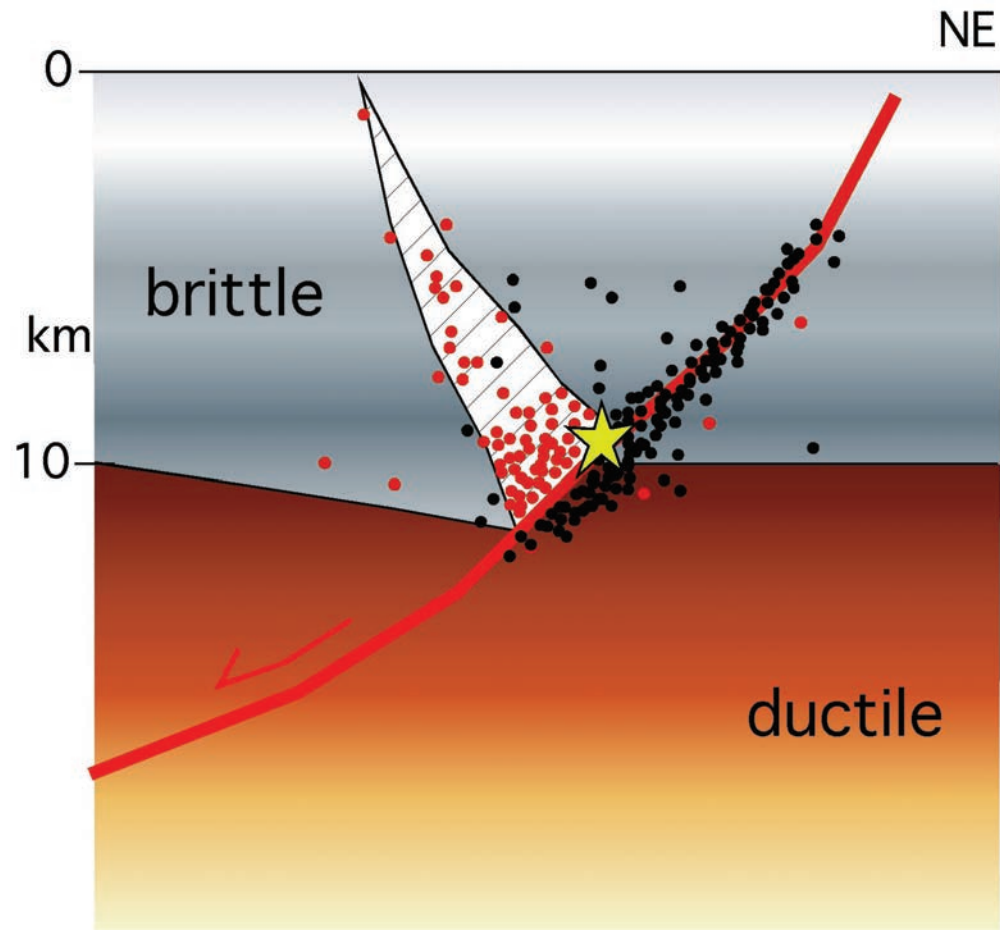


seconds
centuries - interseismic
coseismic

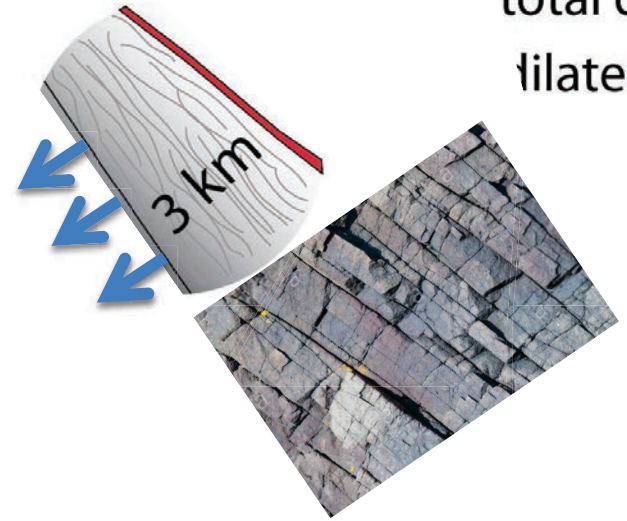
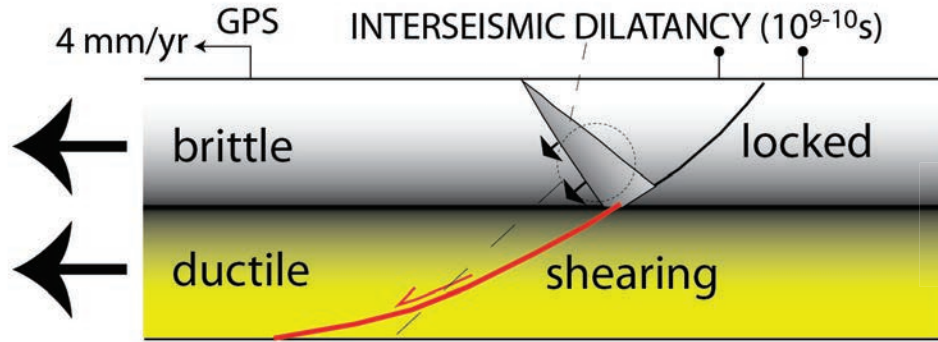




Courtesy R. Di Stefano



normal fault seismic cycle

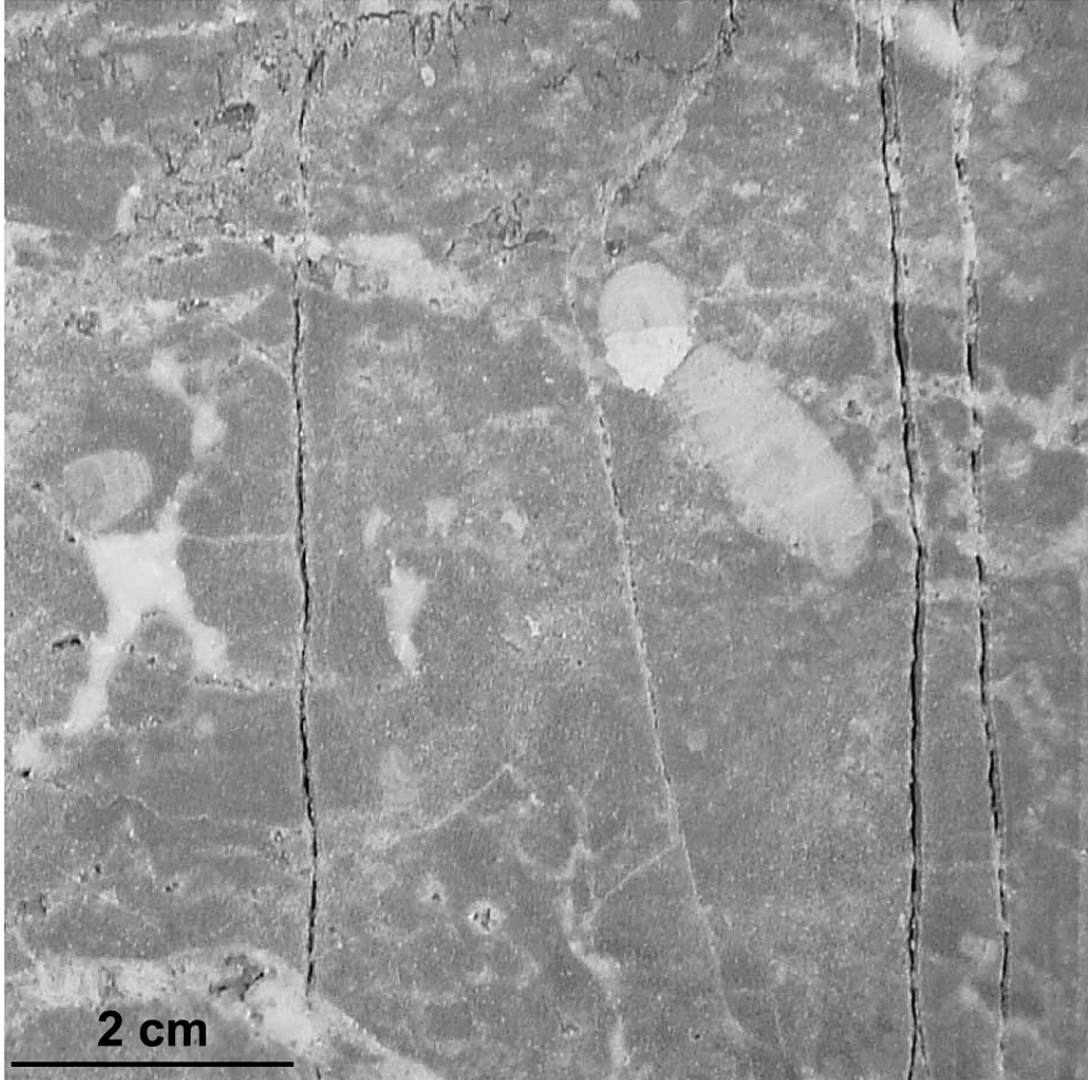


total dila
dilated fr

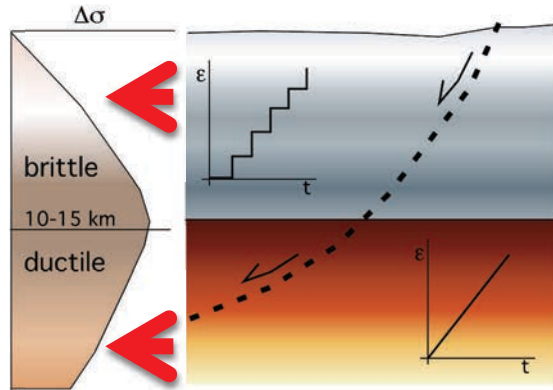
50% recl

Packstone 2300 m
Pennsylvania well

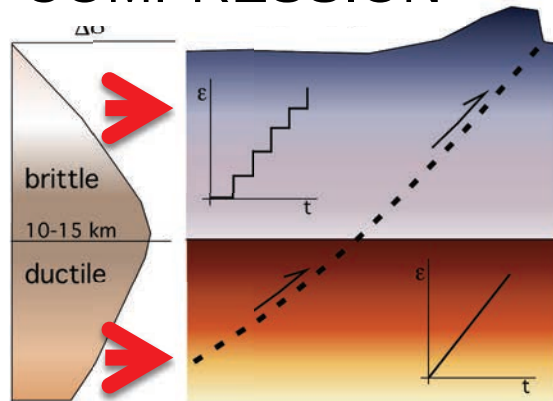
2 cm



EXTENSION

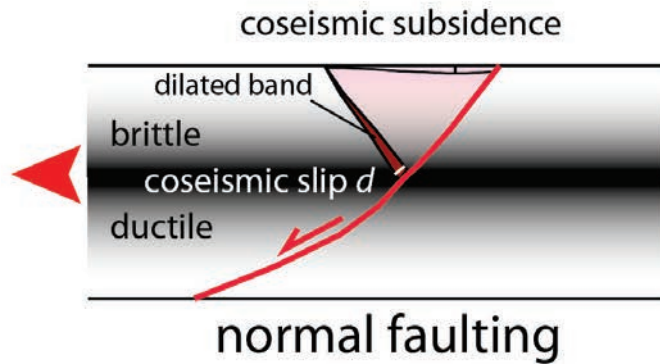


COMPRESSION

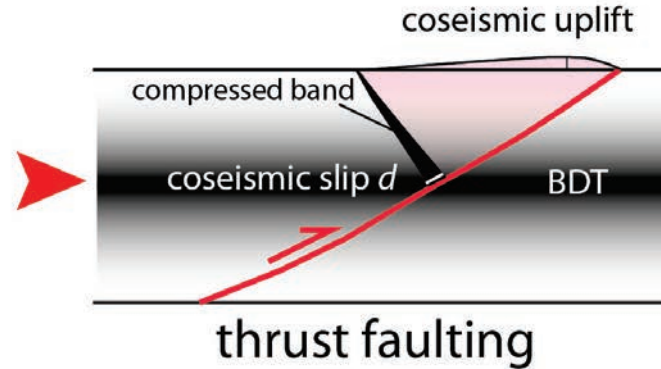


EARTHQUAKE ENERGY

GRAVIQUAKE



ELASTOQUAKE



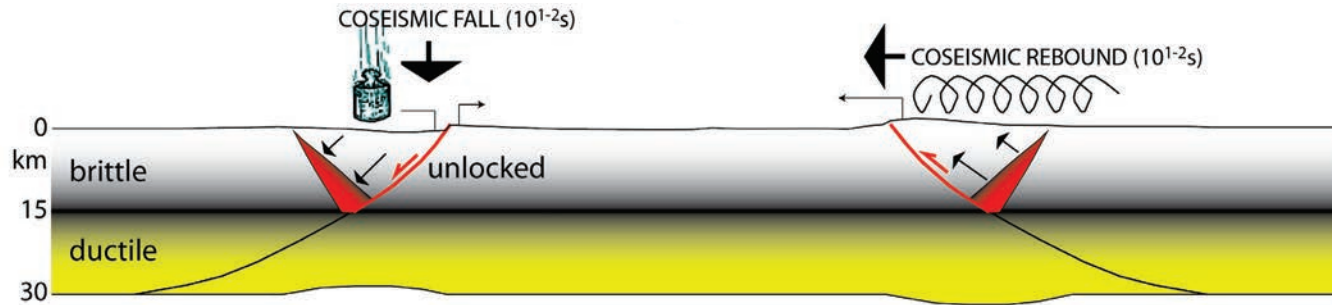
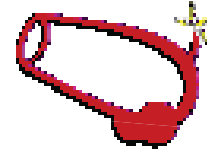
$$E = mgh(\mu_s, \Theta)$$

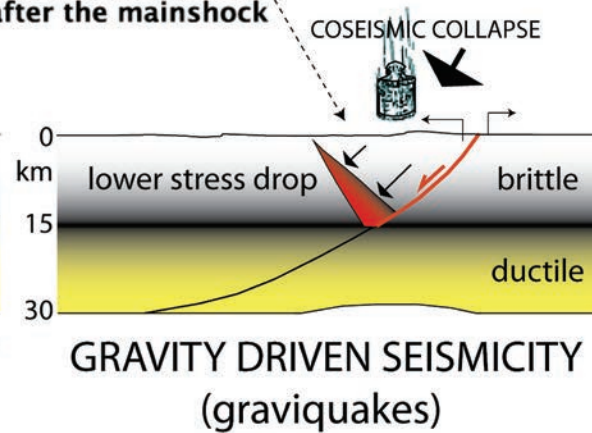
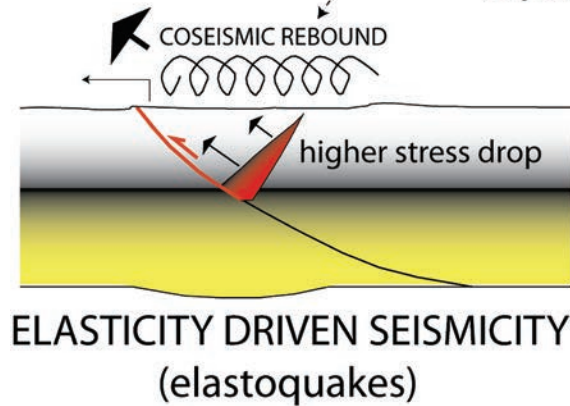
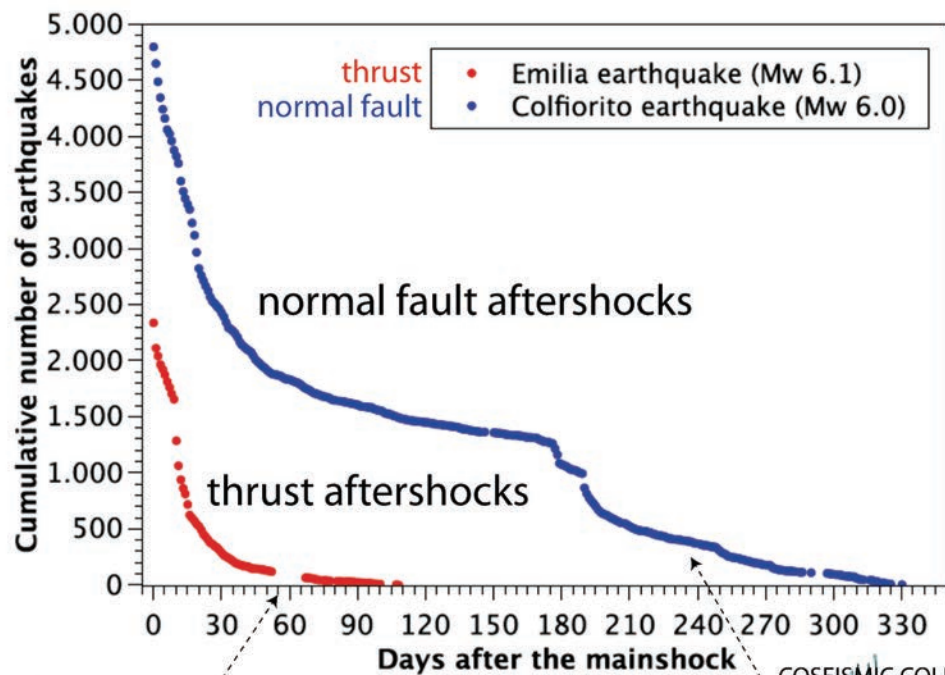
$$E = \frac{1}{2} K \left(\frac{\Delta V (\mu_s, \Theta)}{V} \right)^2 \frac{m}{\rho}$$

pro gravity



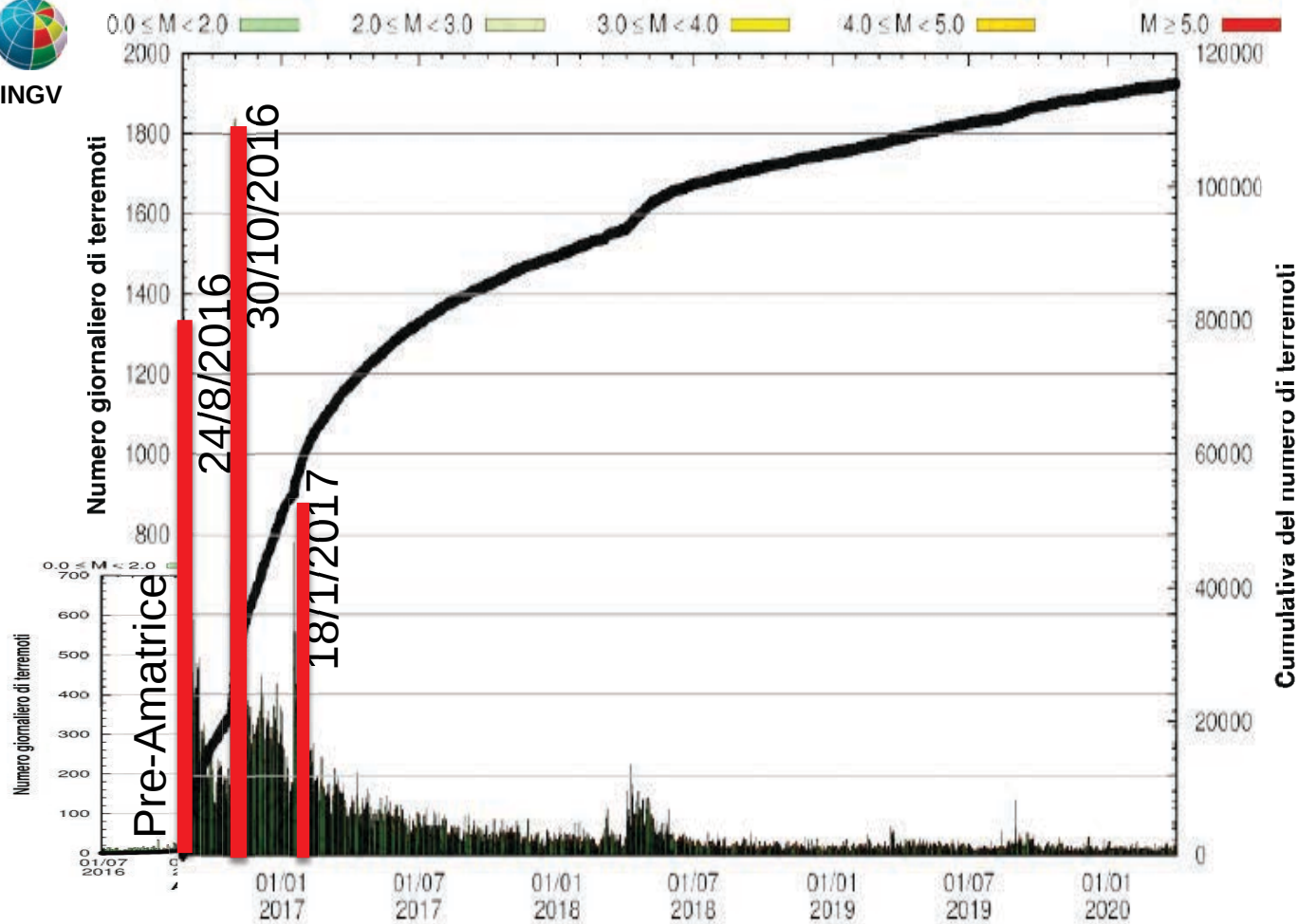
against gravity

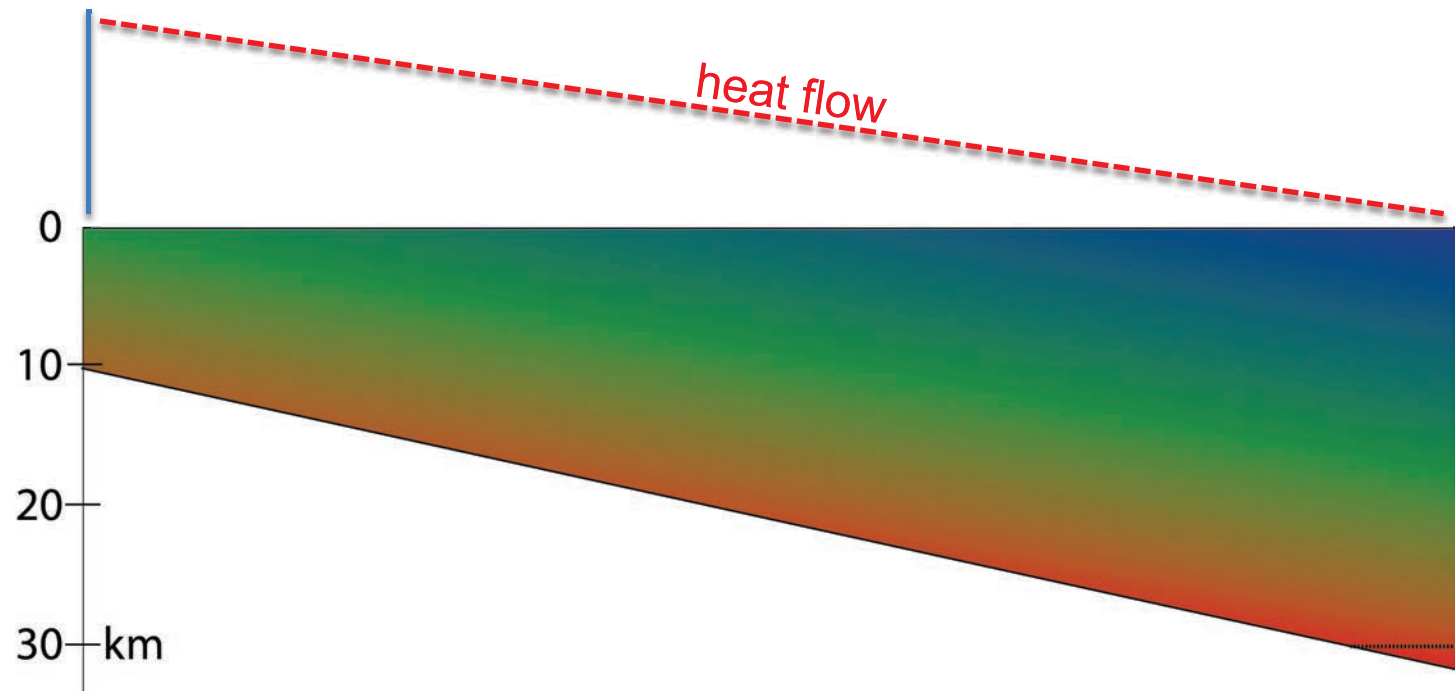


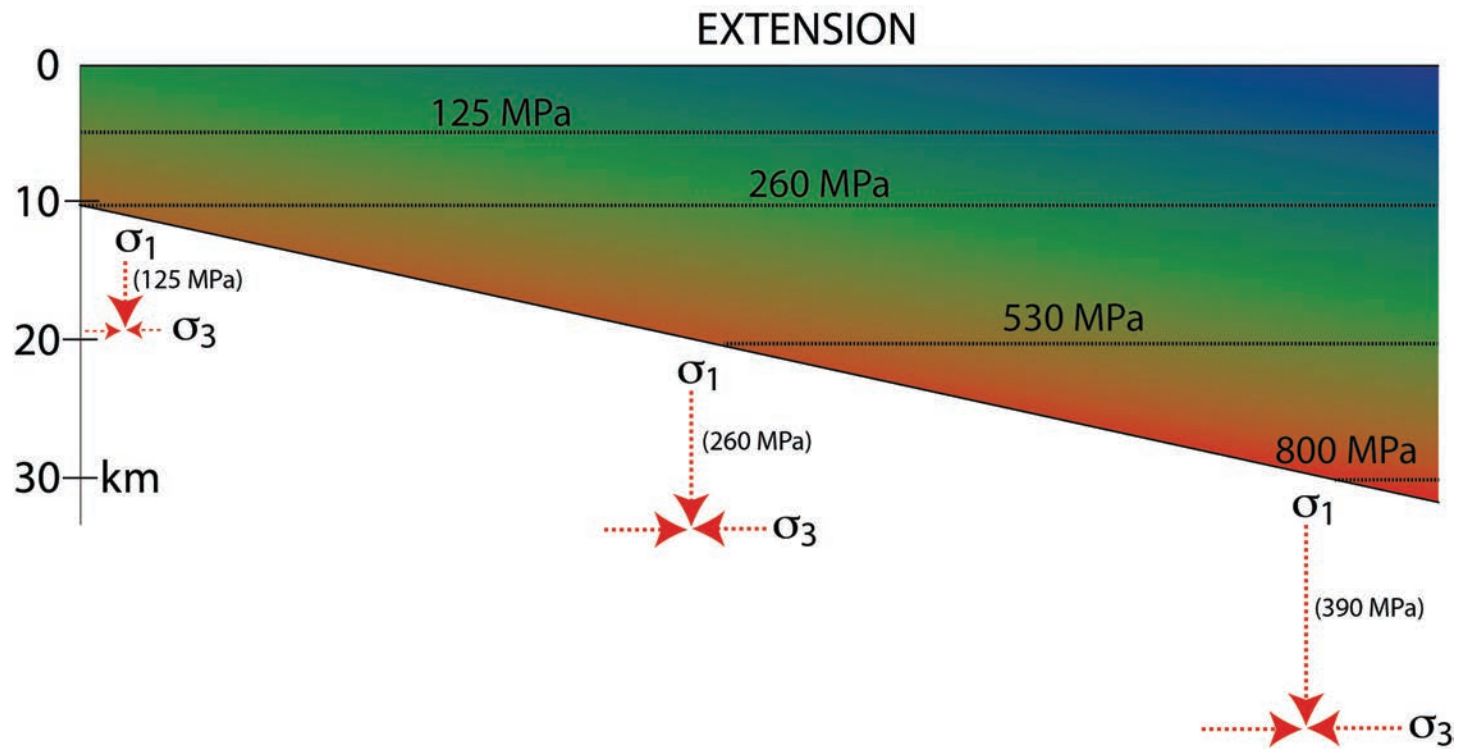


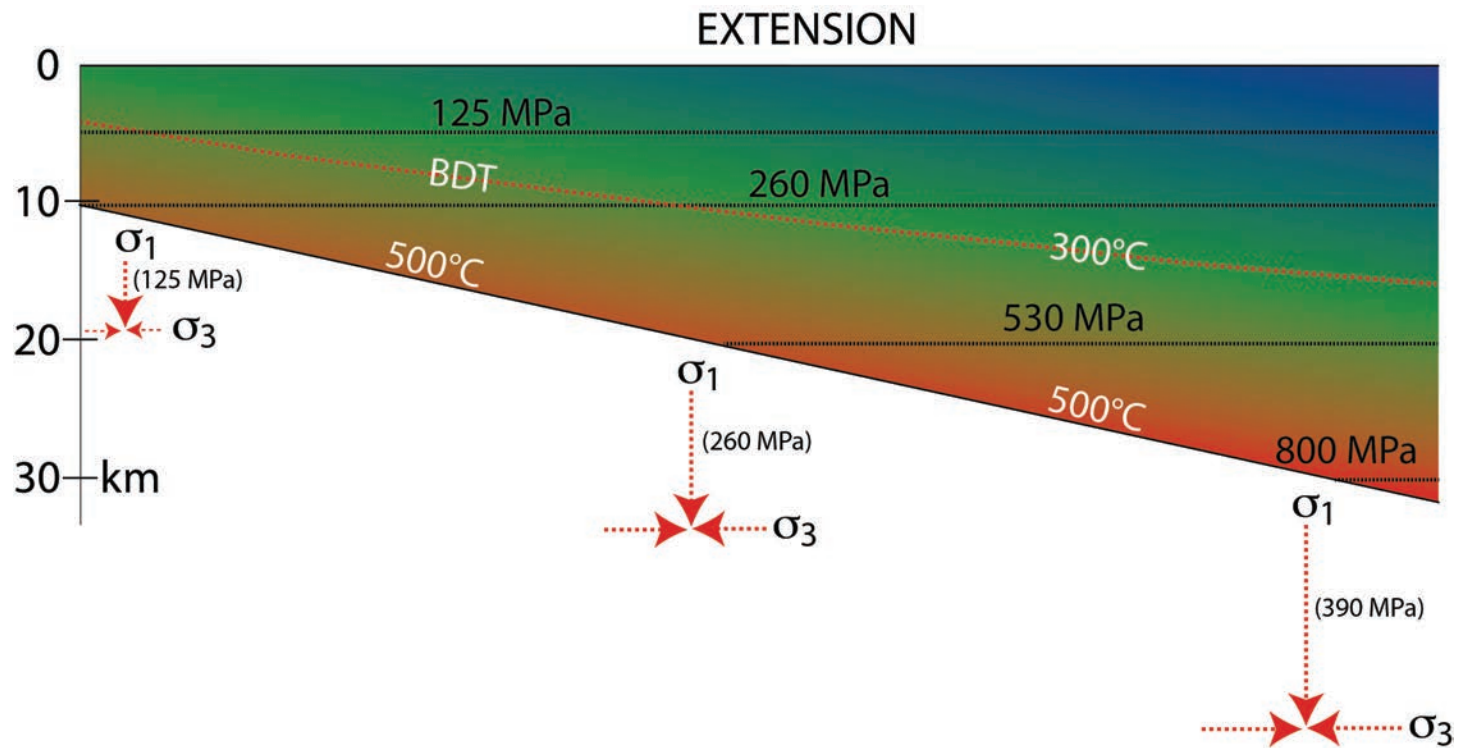


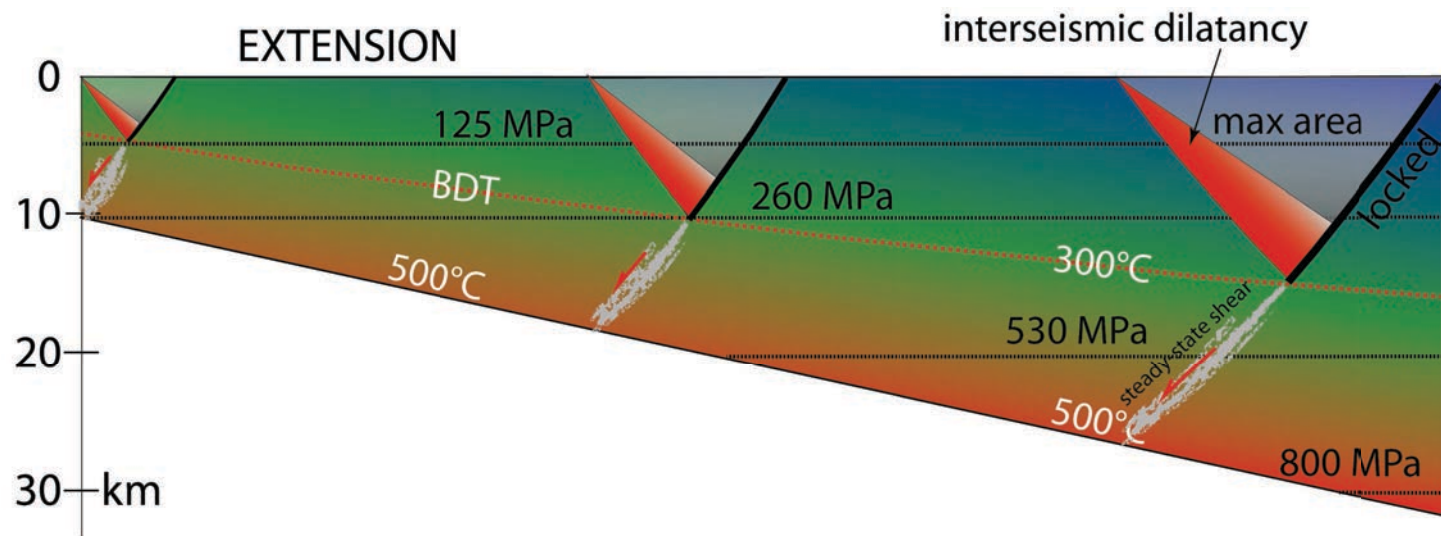
INGV

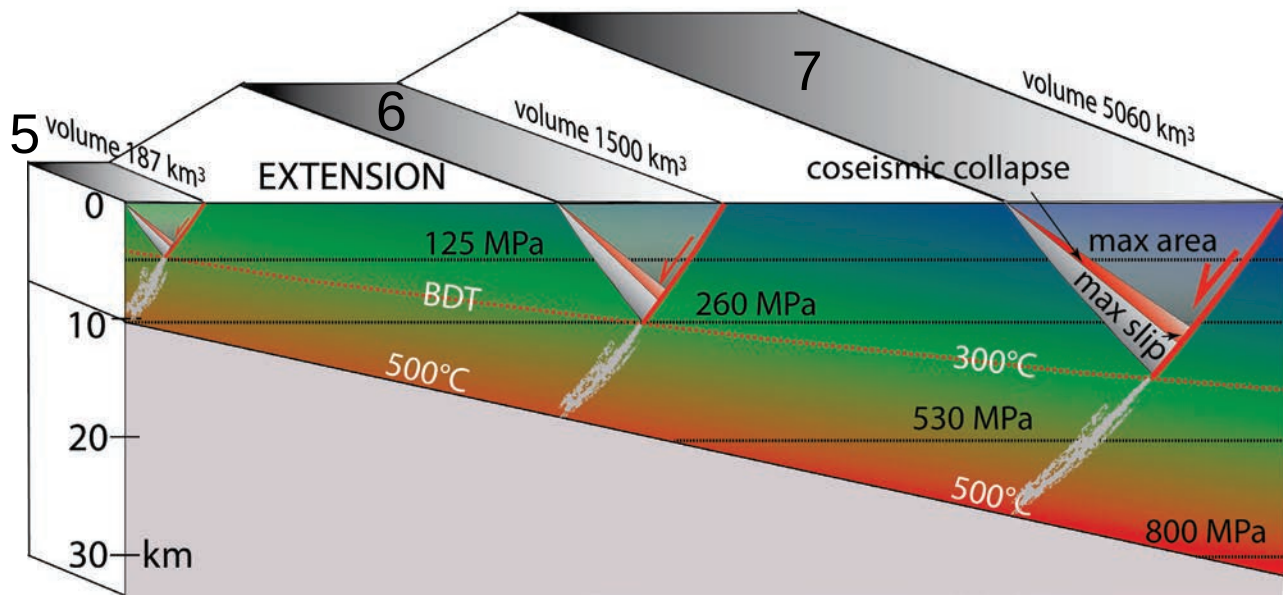
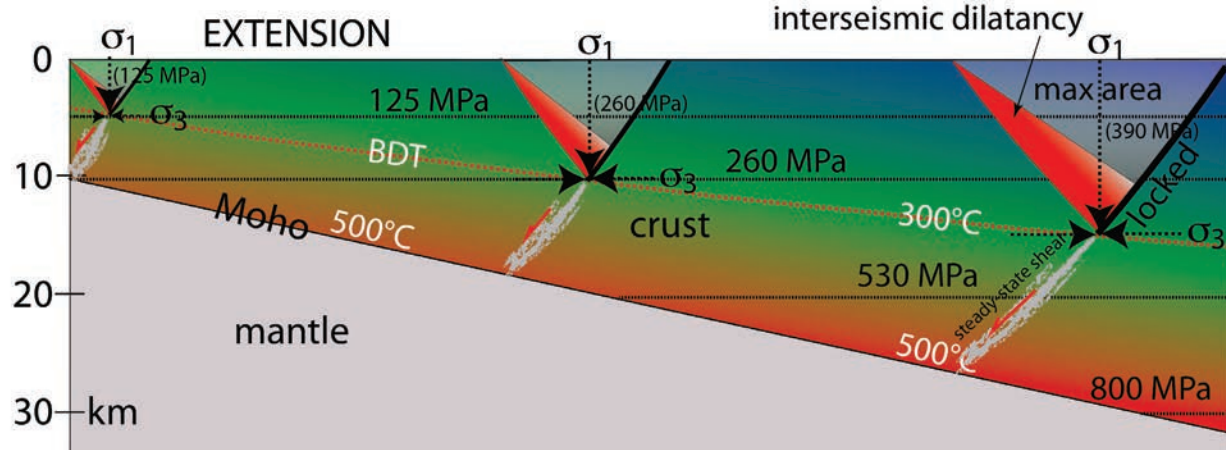














PROTEZIONE CIVILE

Presidenza del Consiglio dei Ministri
Dipartimento della Protezione Civile



CNA
PPC

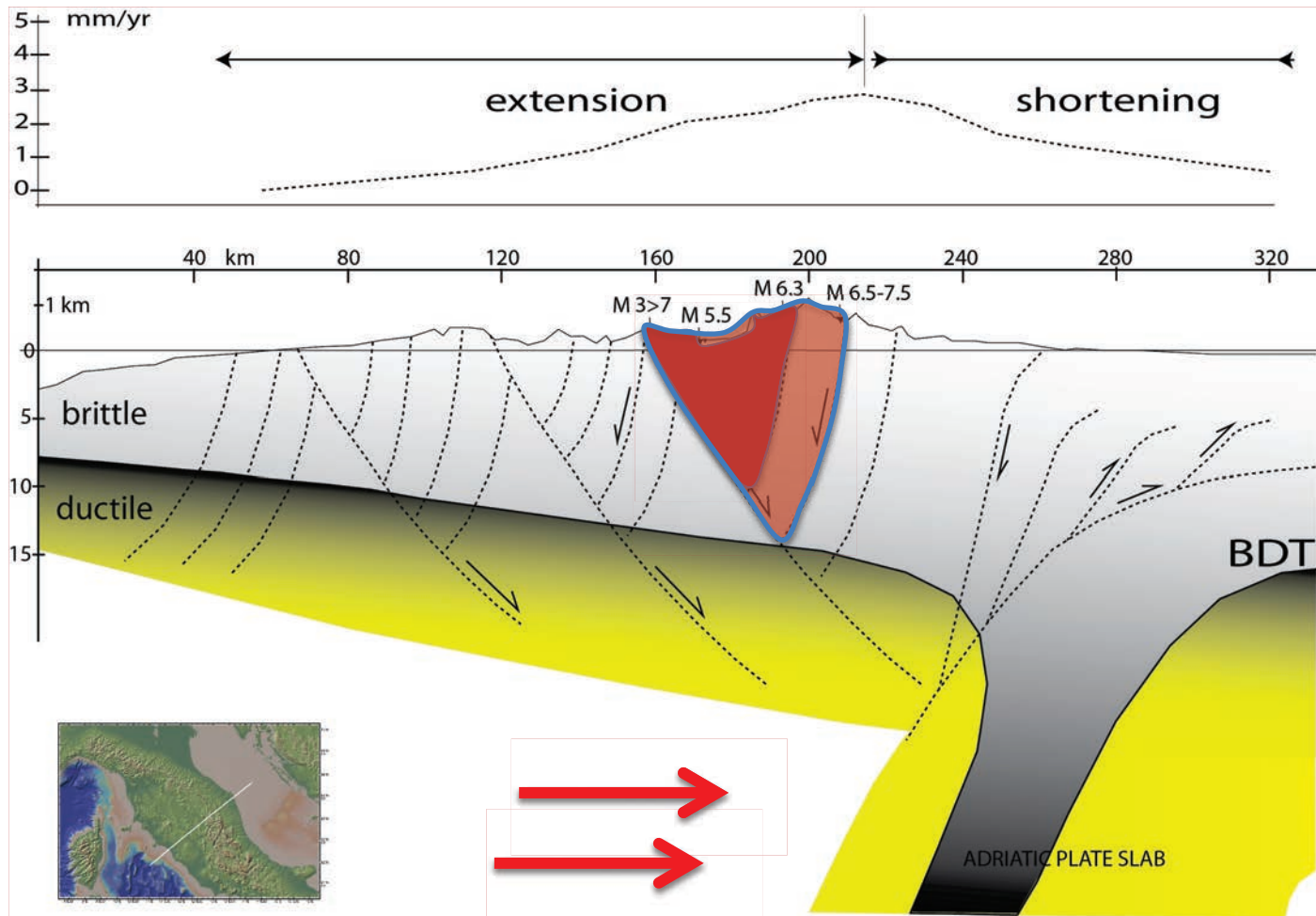


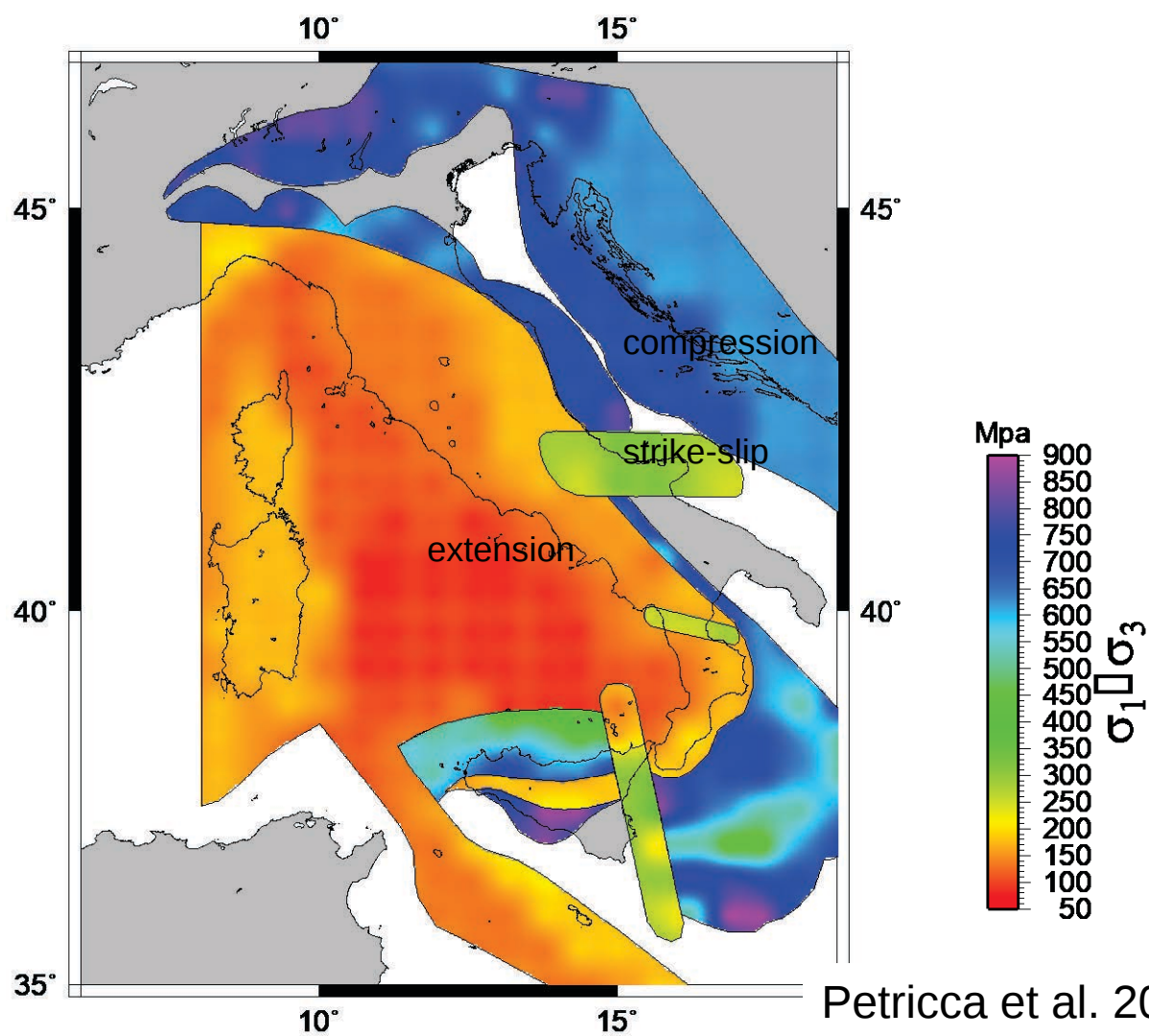
CONSIGLIO NAZIONALE
DEGLI ARCHITETTI
PIANIFICATORI
PAESAGGISTI
E CONSERVATORI

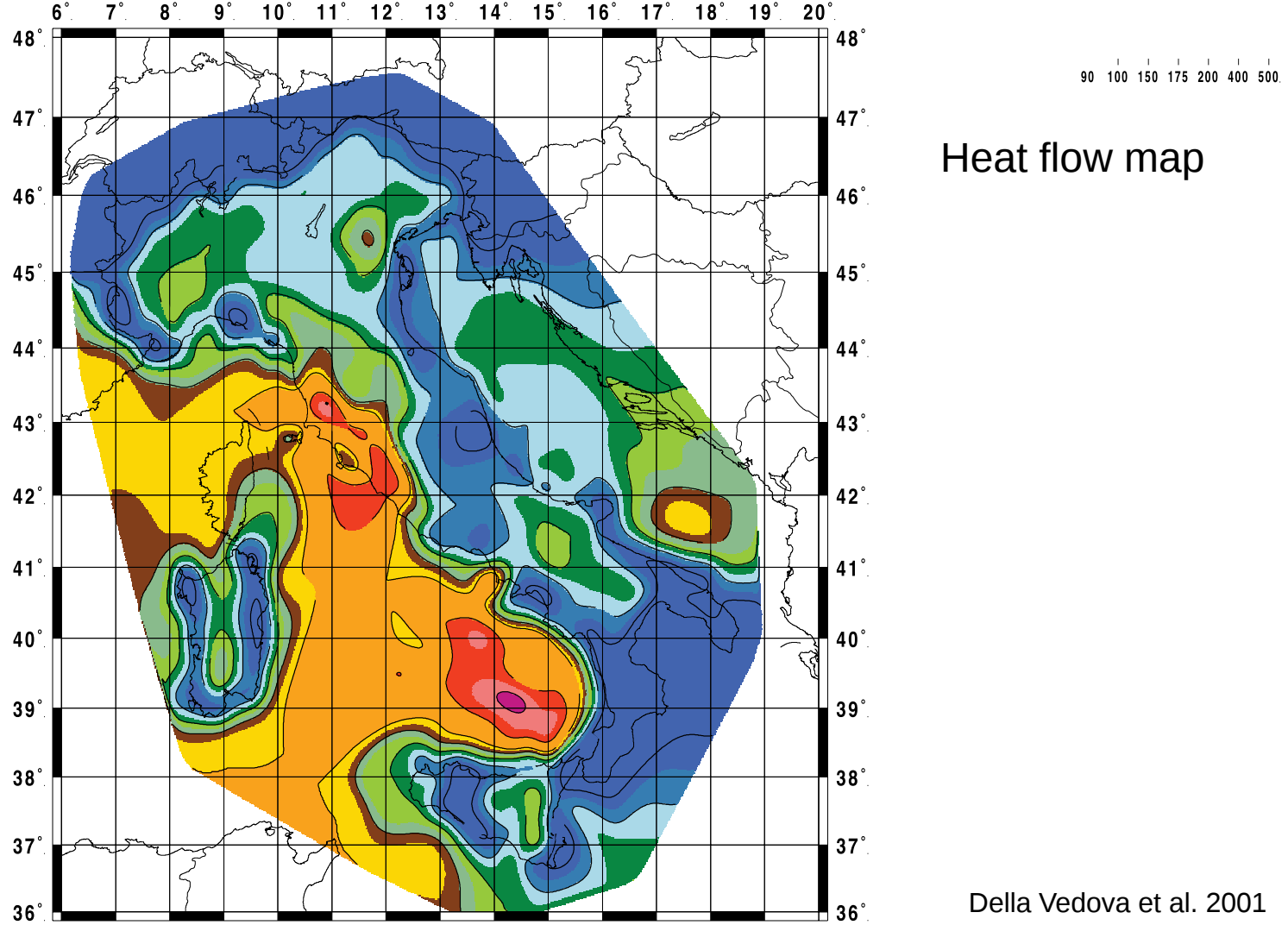


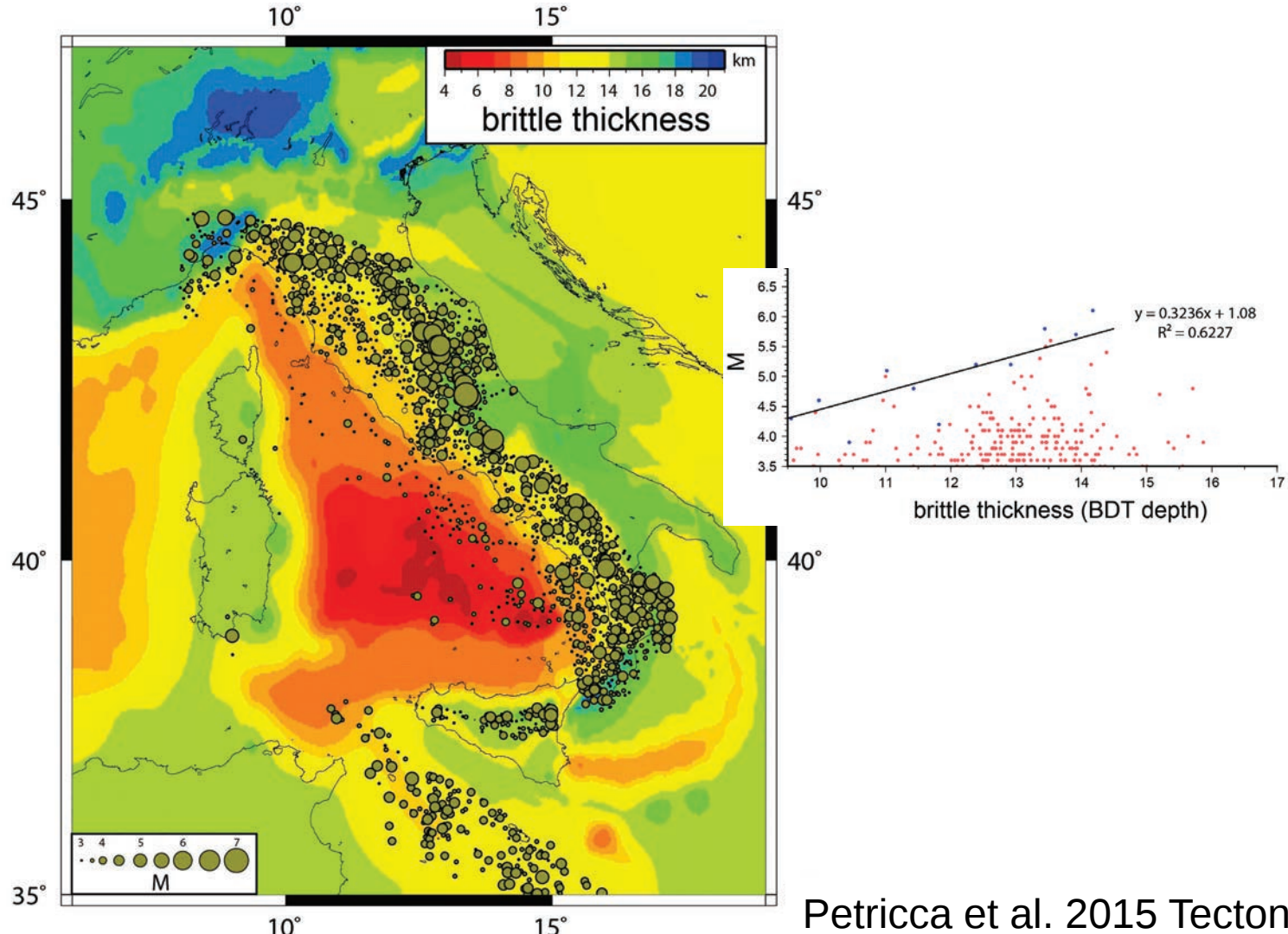
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DEI GEOLOGI



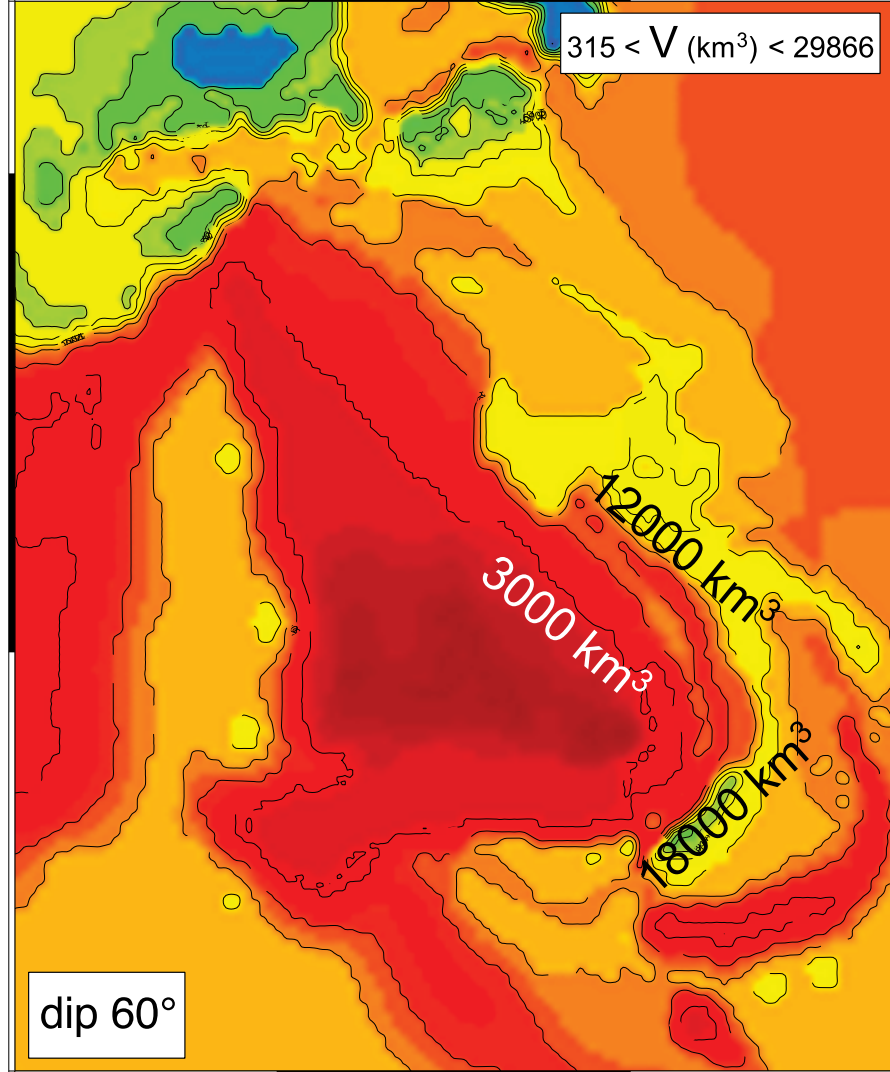








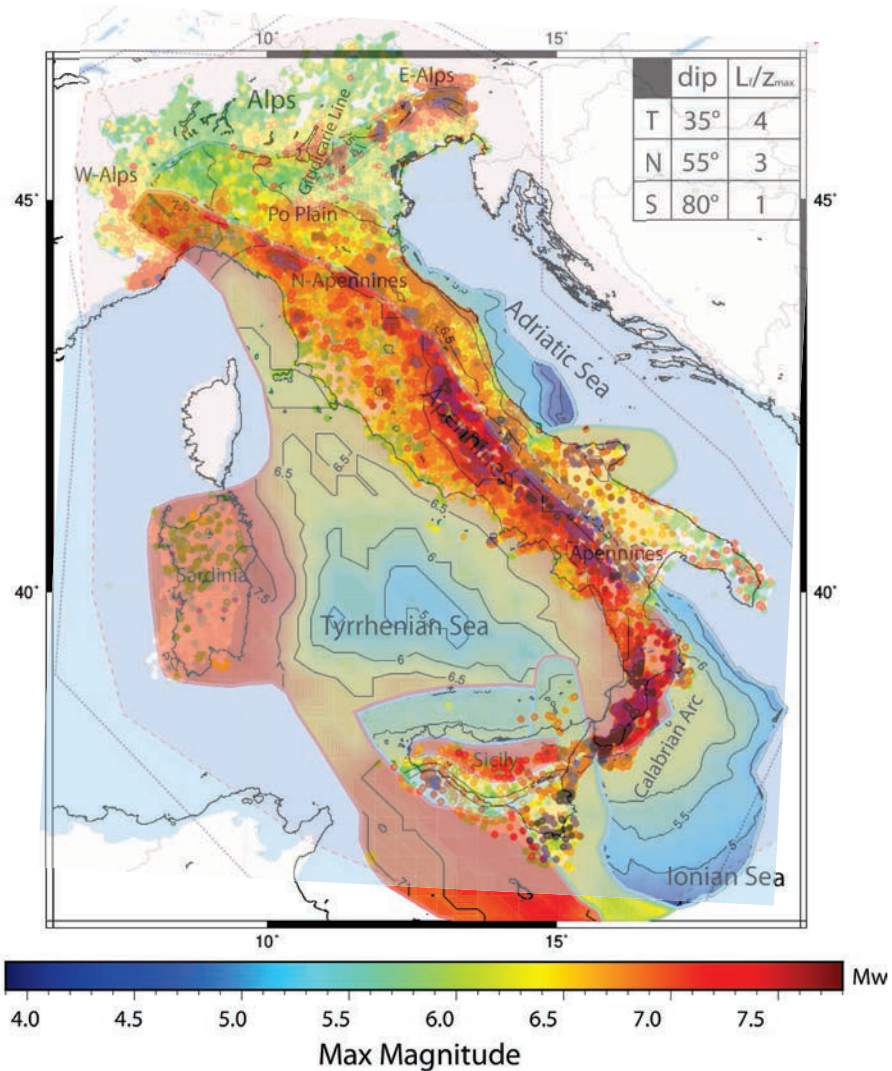
Petricca et al. 2015 Tectonophysics

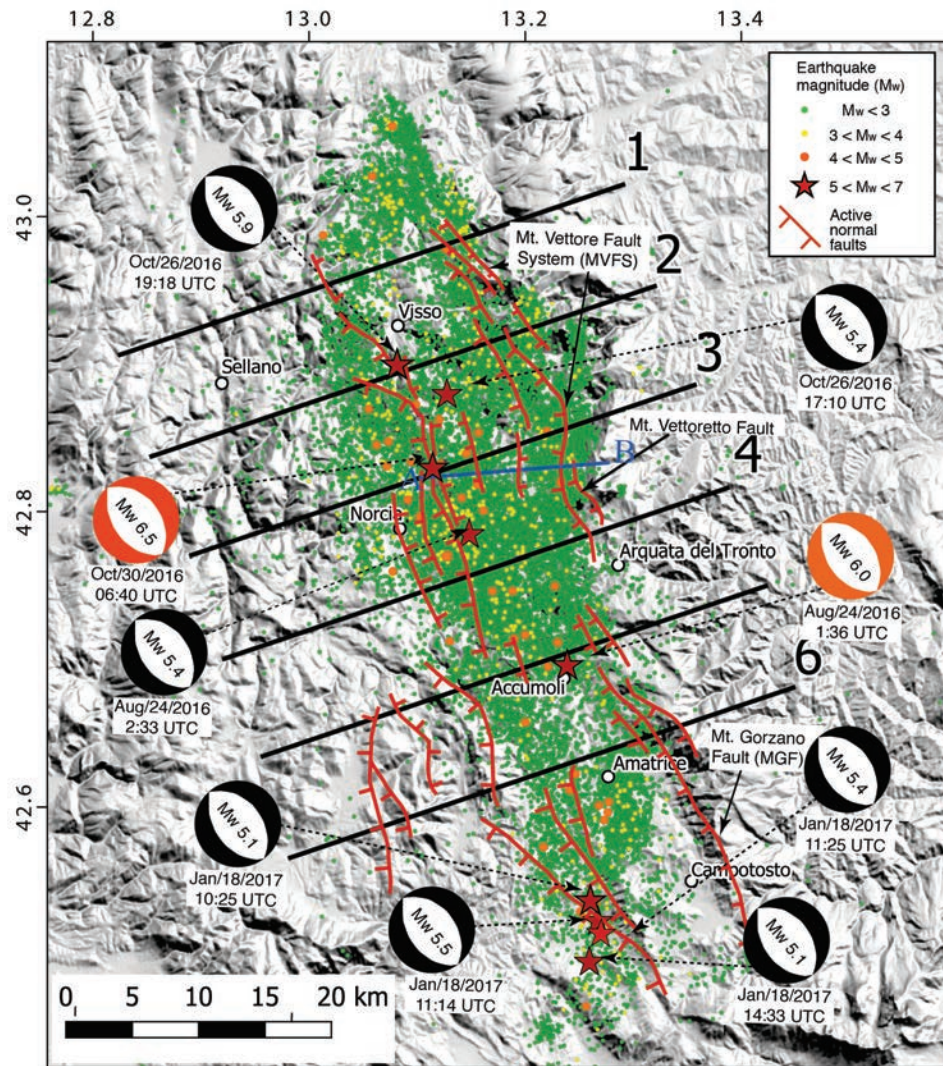




INGV

dip 45°





3.4

