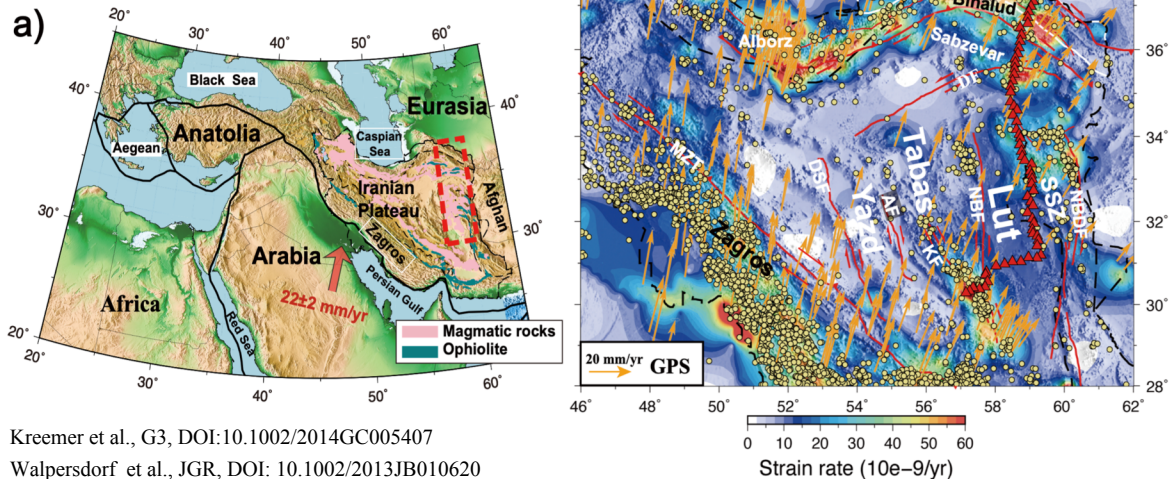
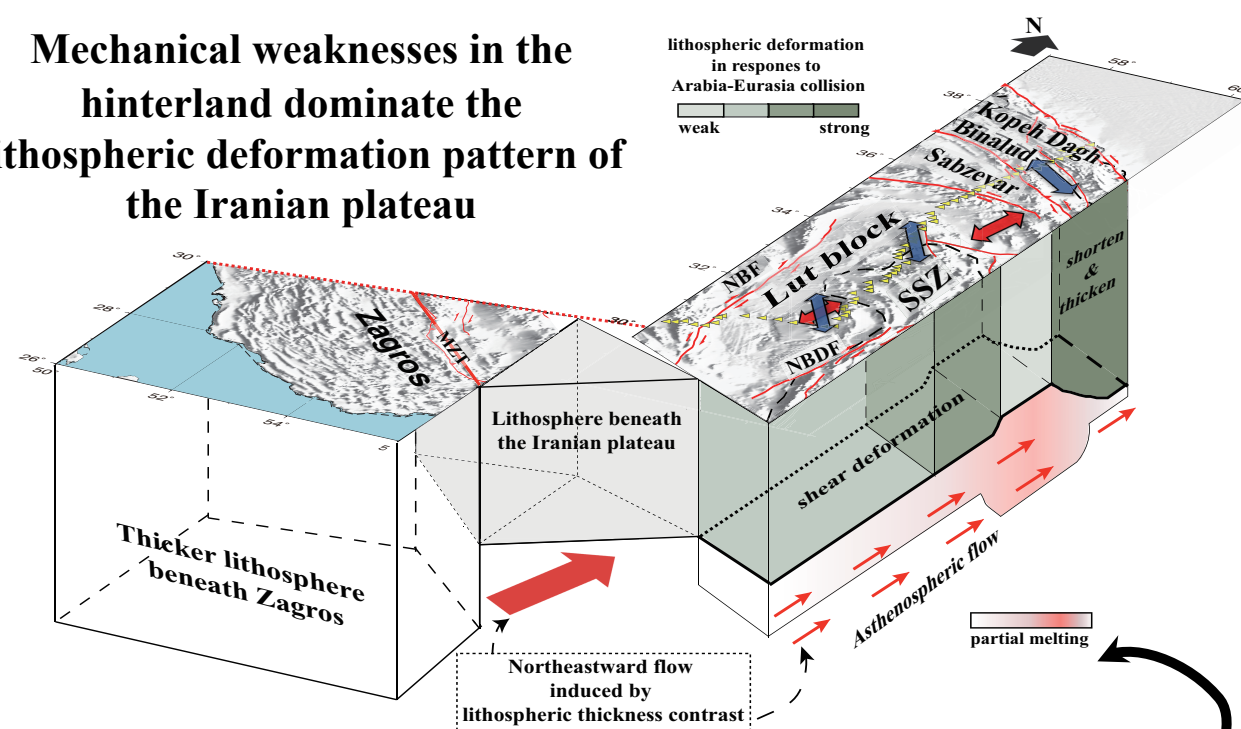


Northeastern-eastern Iranian plateau



Mechanical weaknesses in the hinterland dominate the lithospheric deformation pattern of the Iranian plateau



Northeastern Iran:

NW-SE FPDs // surface tectonics; higher strain rates; thicker lithosphere

● Lithospheric shortening and thickening

Lut block:

NW-SE FPDs // right-lateral shear;

● Fault-controlled lithospheric deformation

NE-SW FPDs have no obvious relation to the surface tectonics

● Asthenospheric flow

