



2464-8

Earthquake Tectonics and Hazards on the Continents

17 - 28 June 2013

Recognizing and characterizing thrust faults and earthquakes in Iran

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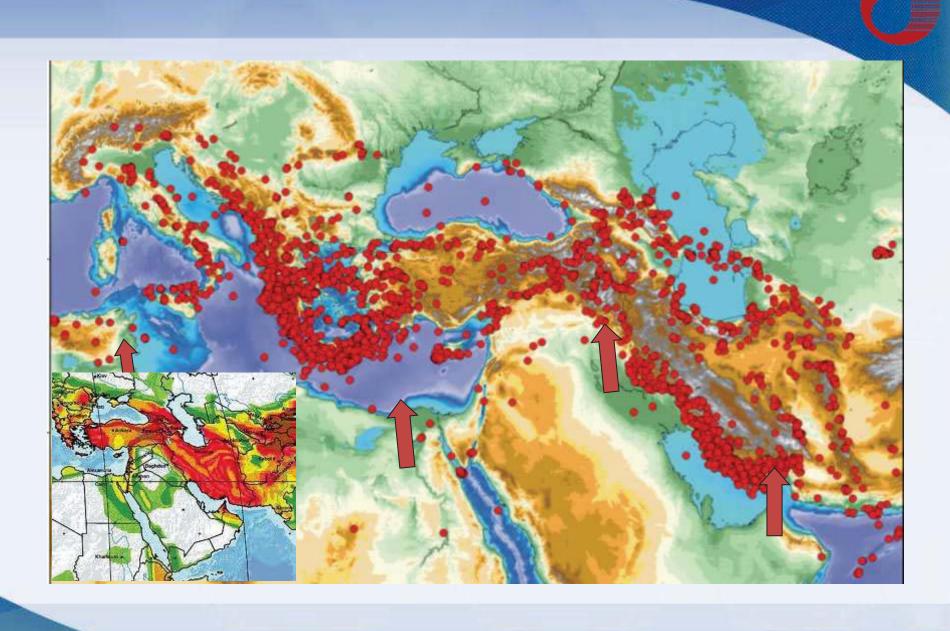
Iran

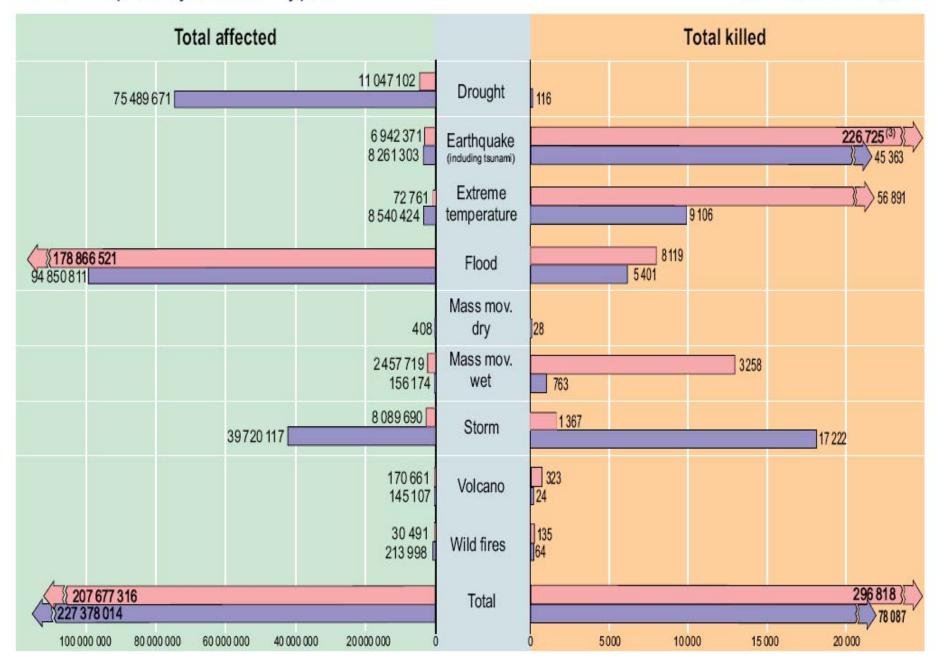


Blind faulting in Tehran

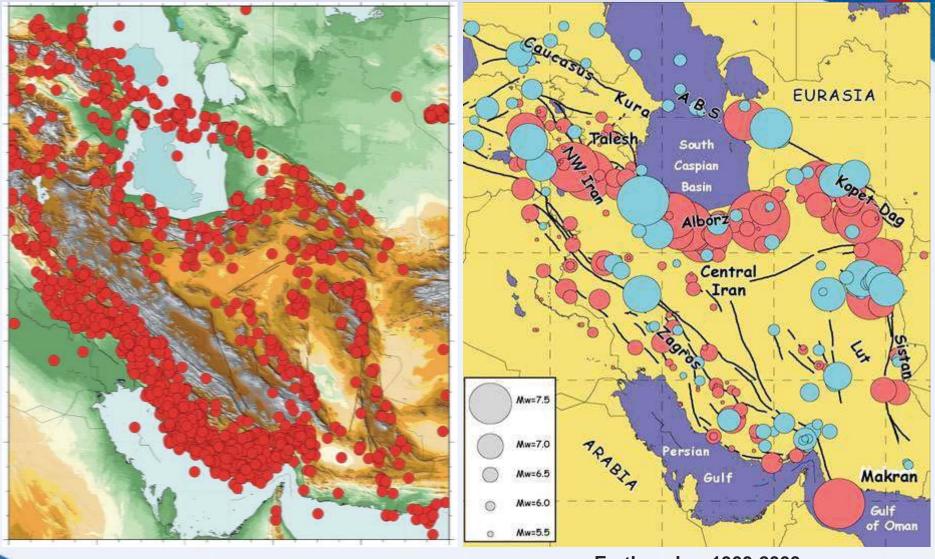
Morteza Talebian and Hamid Nazari Research Institute for Earth Sciences, Geological Survey of Iran









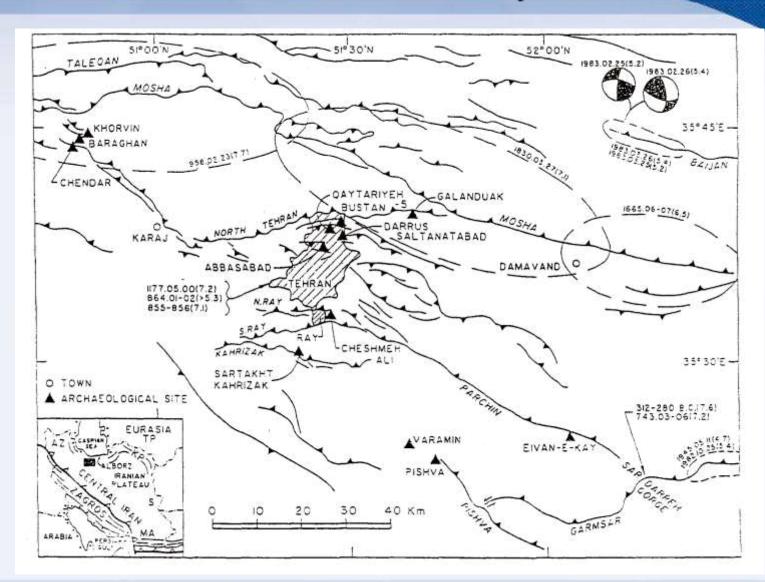


Earthquakes 1900-2000

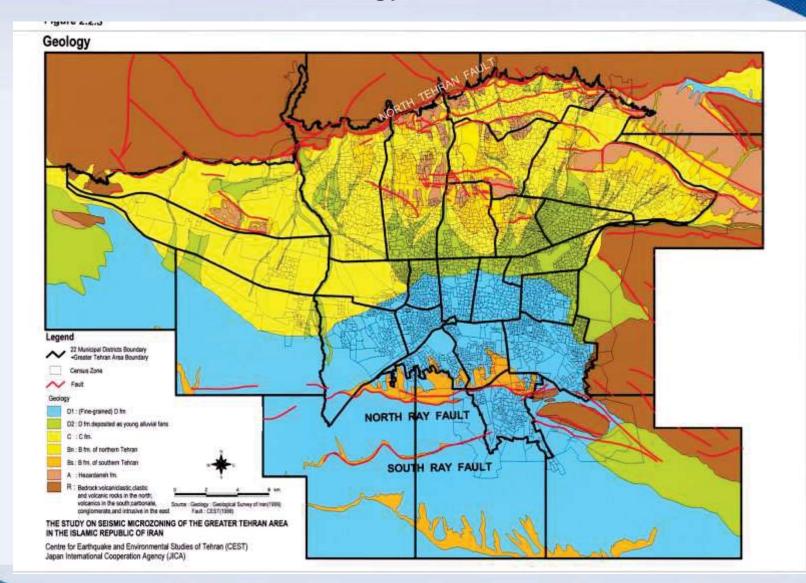
(red before 1960; blue after 1960)

Active faults and historical seismicity around Tehran

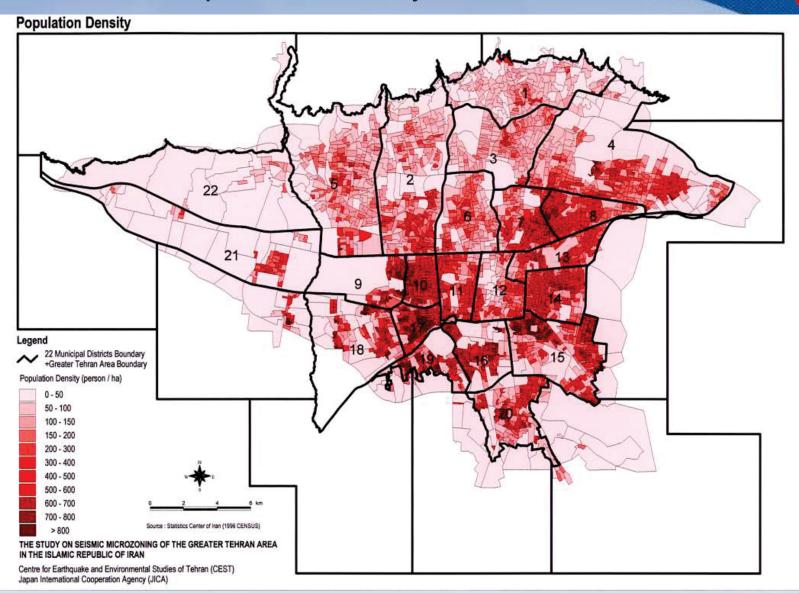




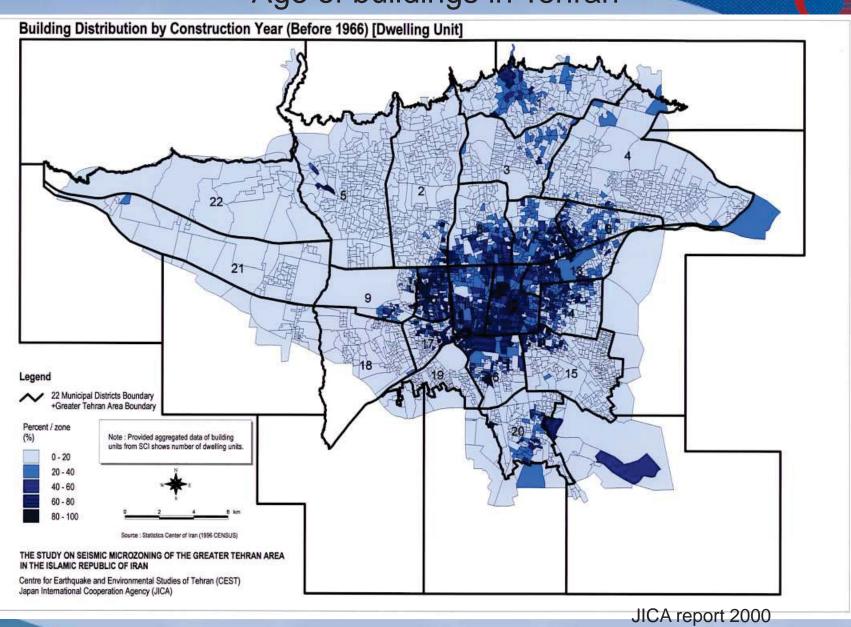
Geology of Tehran

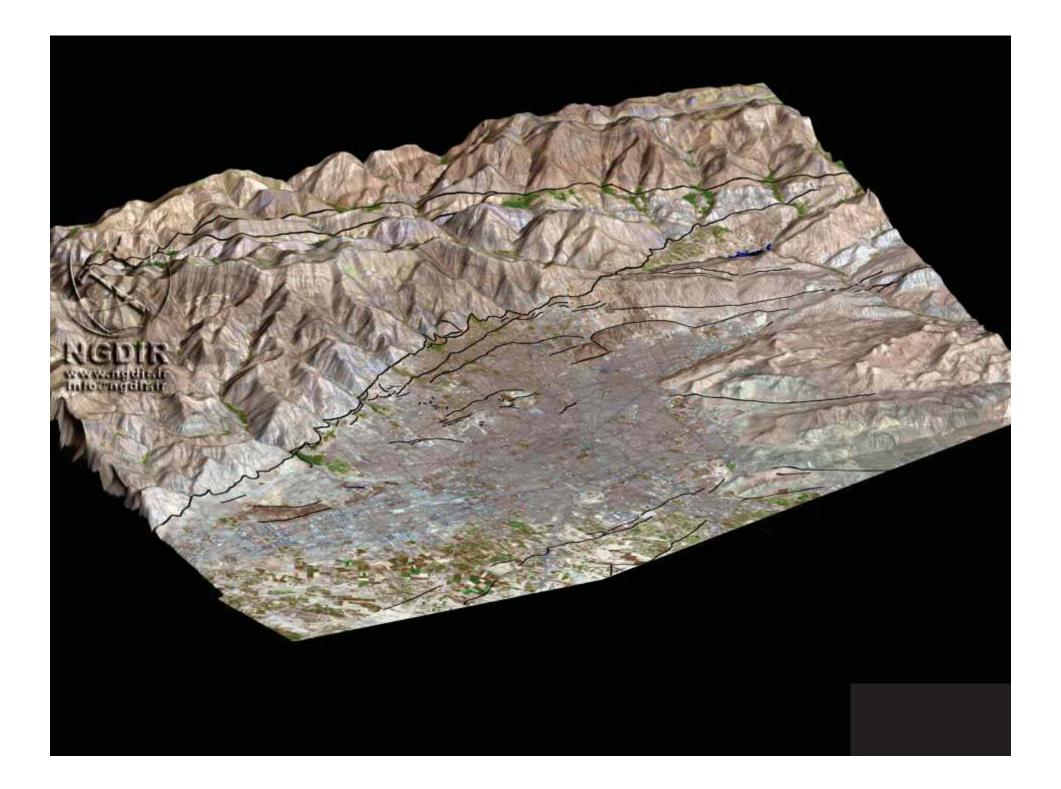


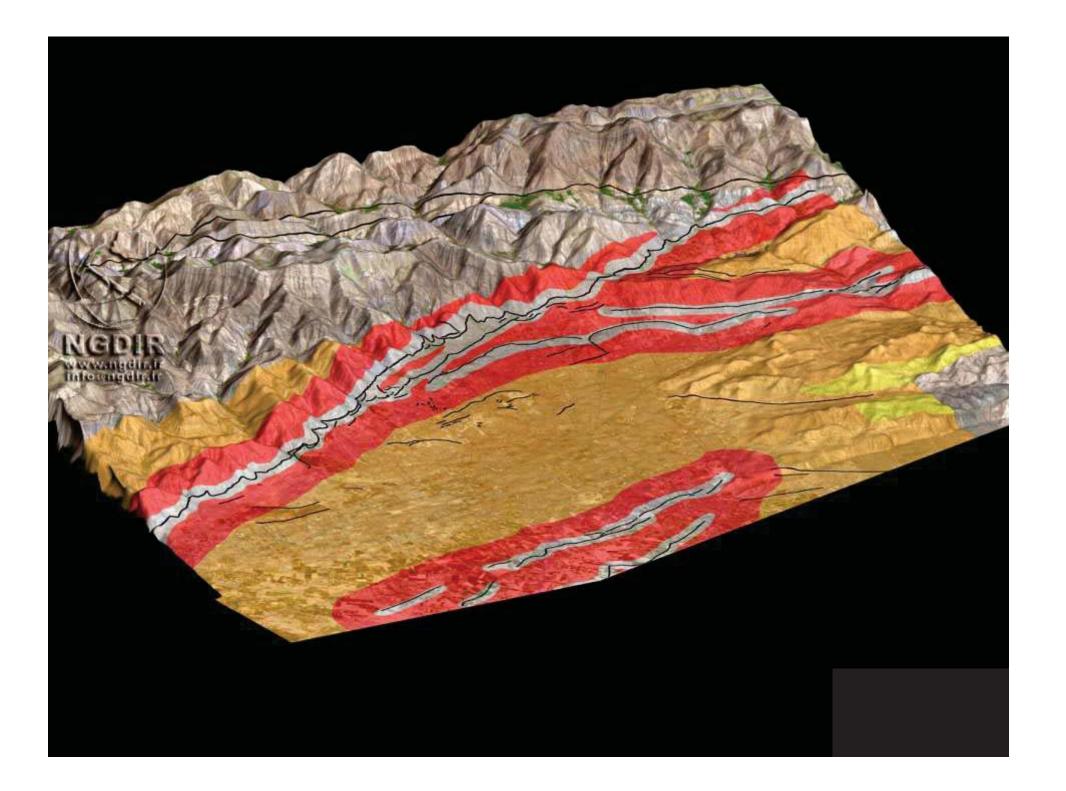
Population density of Tehran

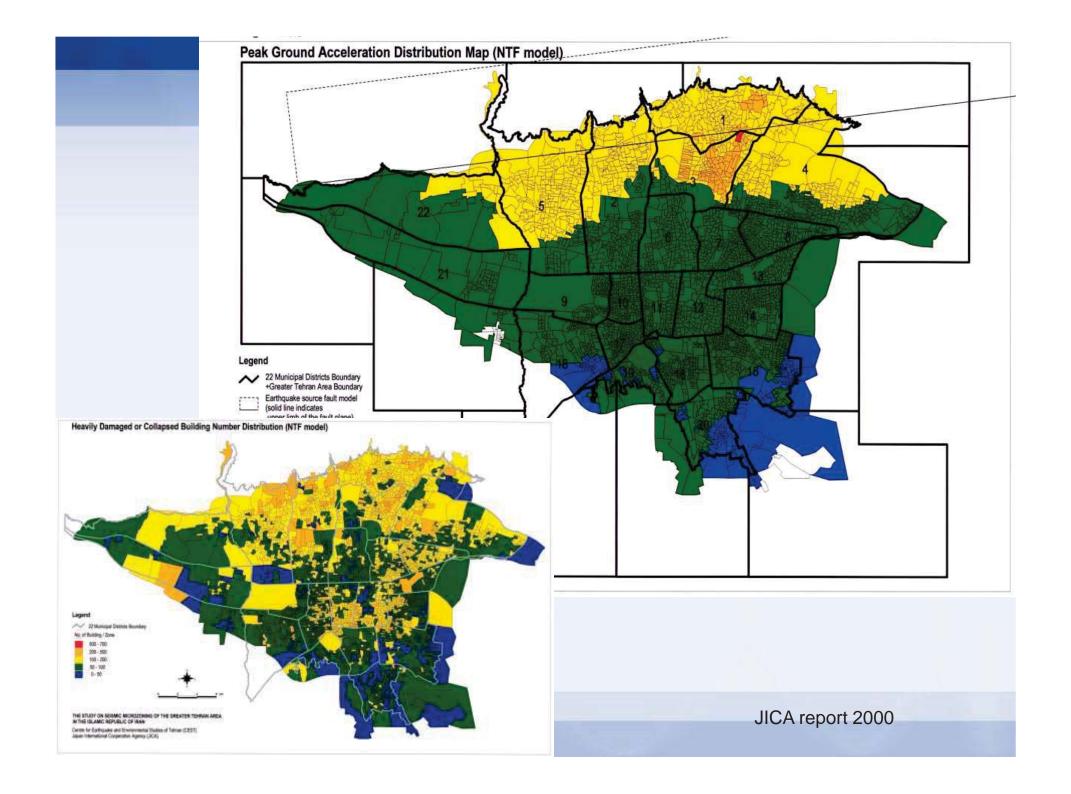


Age of buildings in Tehran

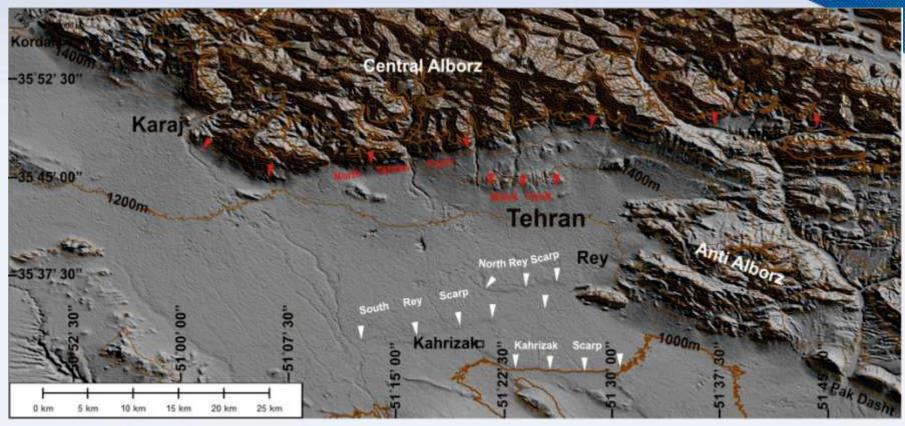






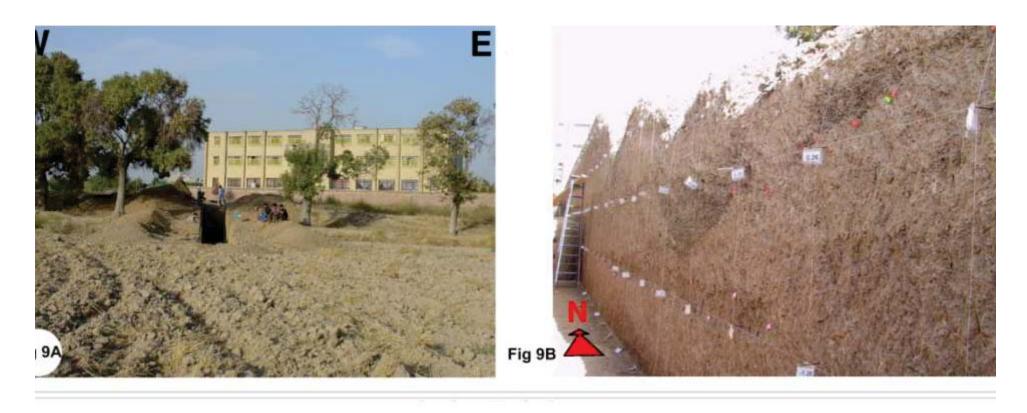


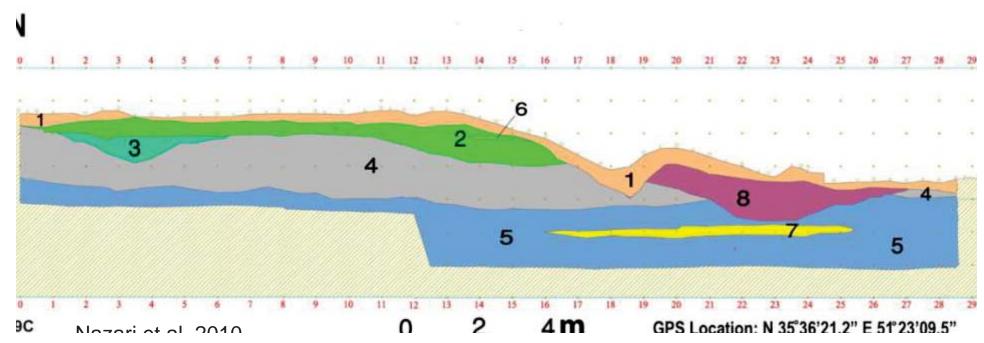


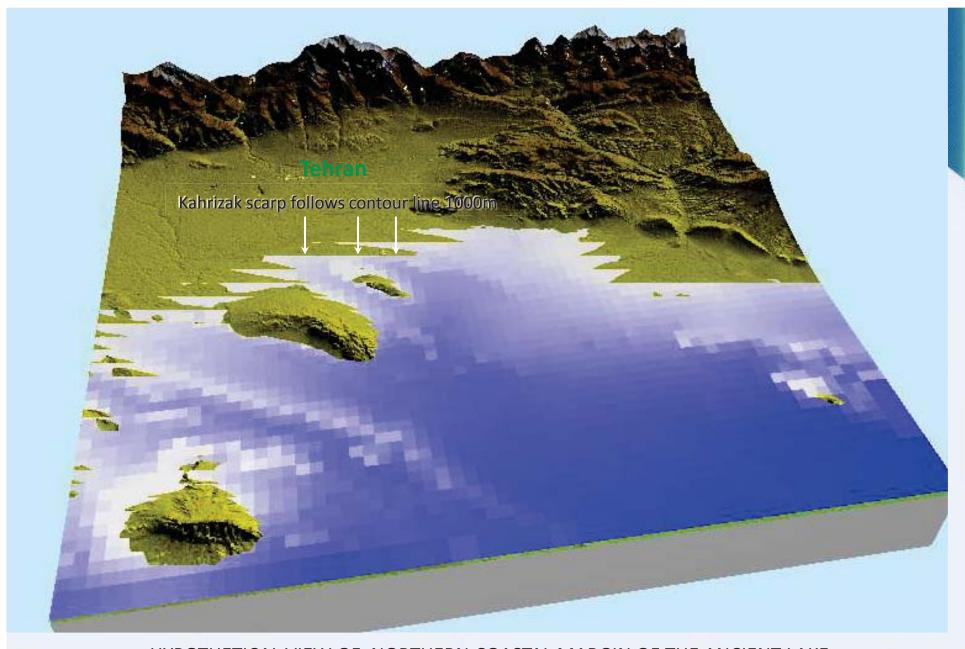


SRTM image of the Tehran plain. Red triangles indicate the location of the North Tehran fault at the southern foothills of the Central Alborz and the Milad blind thrust fault (Nazari and Ritz, 2008). White triangles point out the North Rey, South Rey and Kahrizak scarps in the southern Tehran plain.

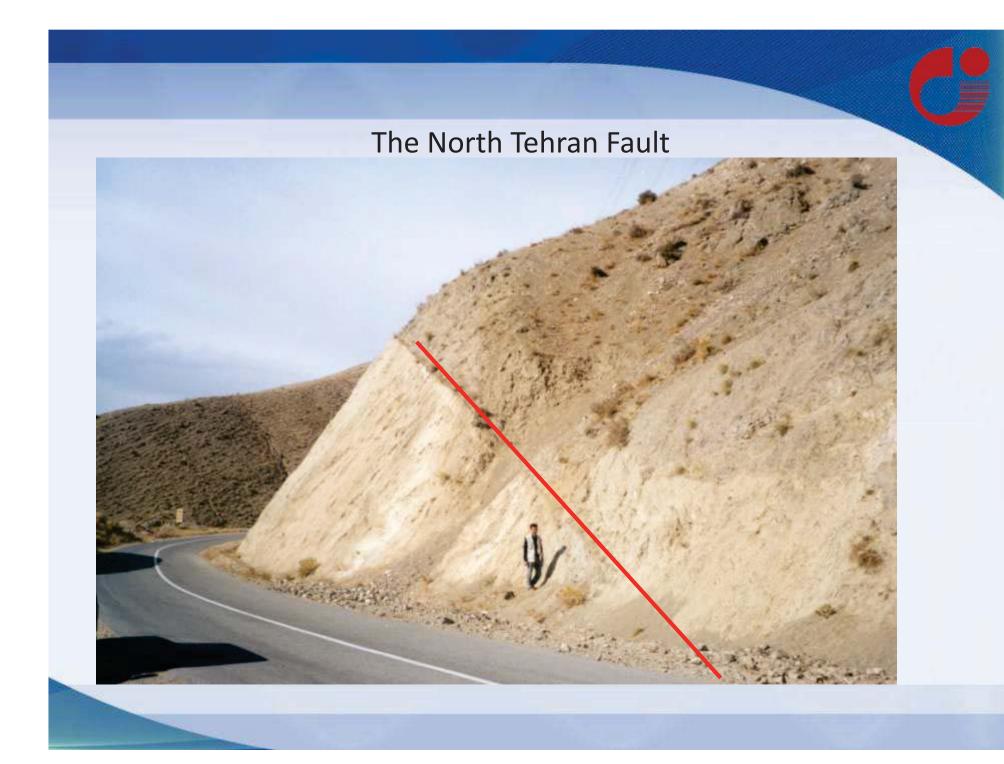
Brown curves are topographic contour lines.

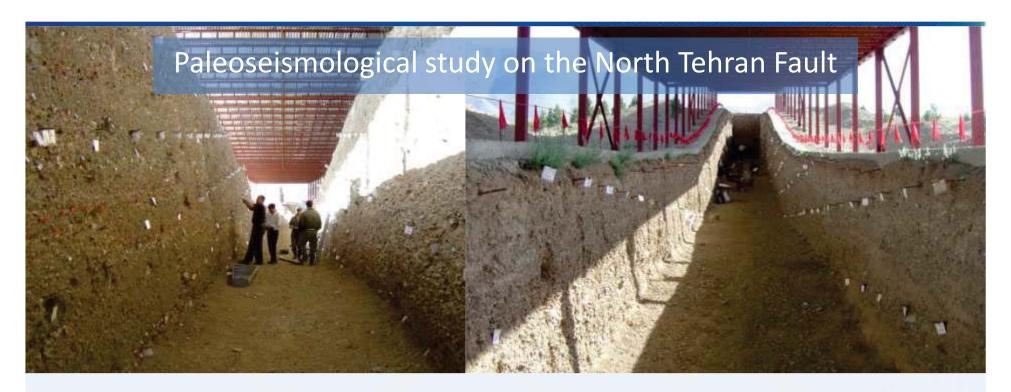


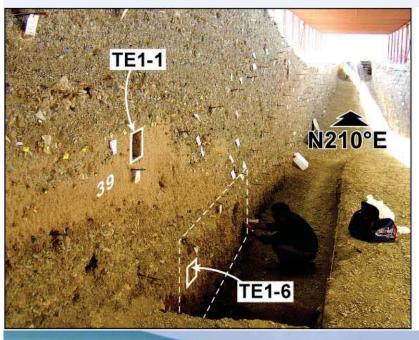


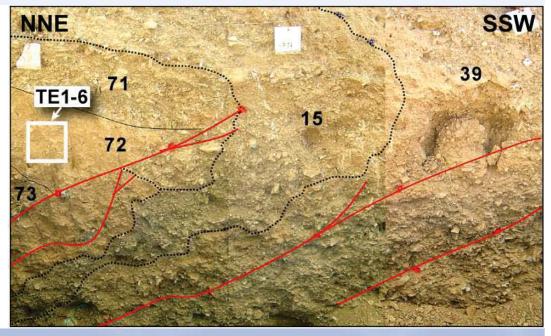


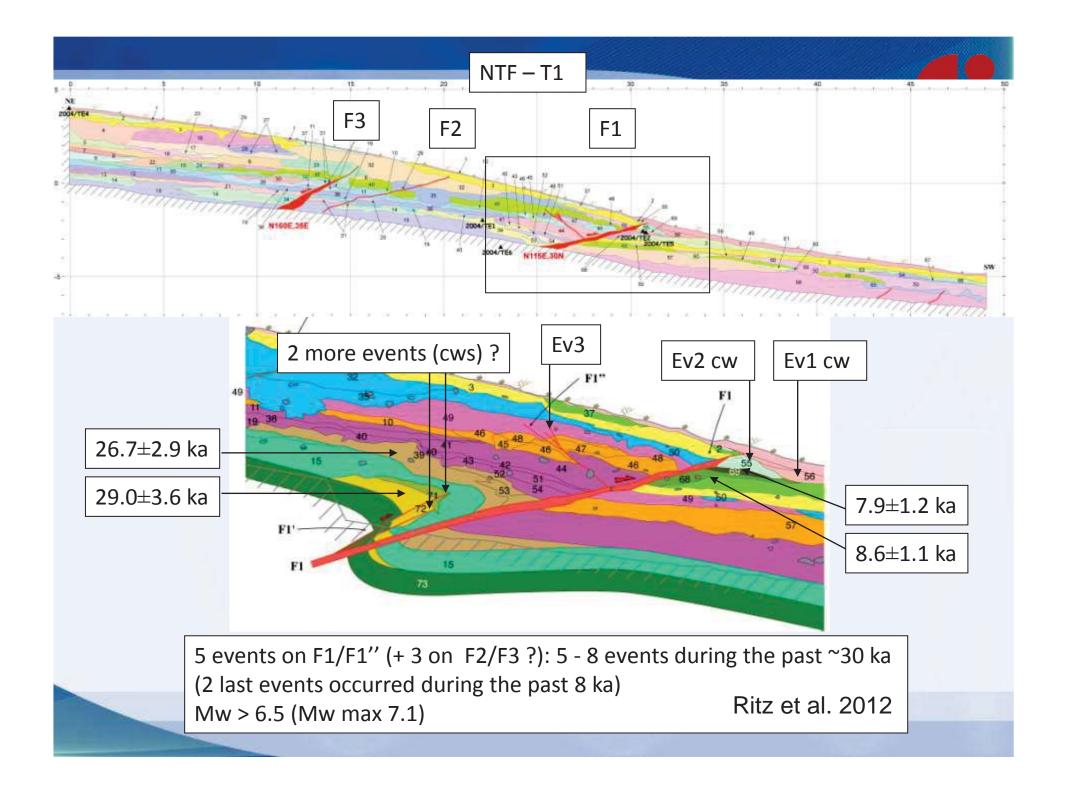
HYPOTHETICAL VIEW OF NORTHERN COASTAL MARGIN OF THE ANCIENT LAKE IN SOUTH OF ALBORZ MOUNTAIN ABOVE TOPOGRAPHIC LEVEL **1000M** THAT CORRESPONDS TO PRESENT TOPOGRAPHIC LEVEL ALONG **KAHRIZAK SCARP**.

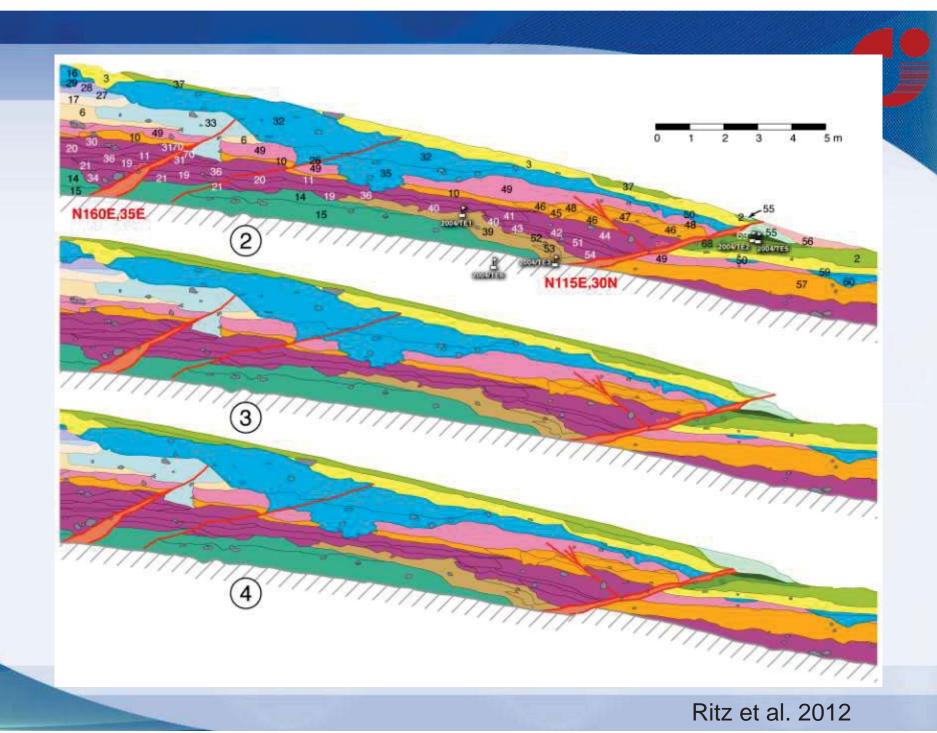


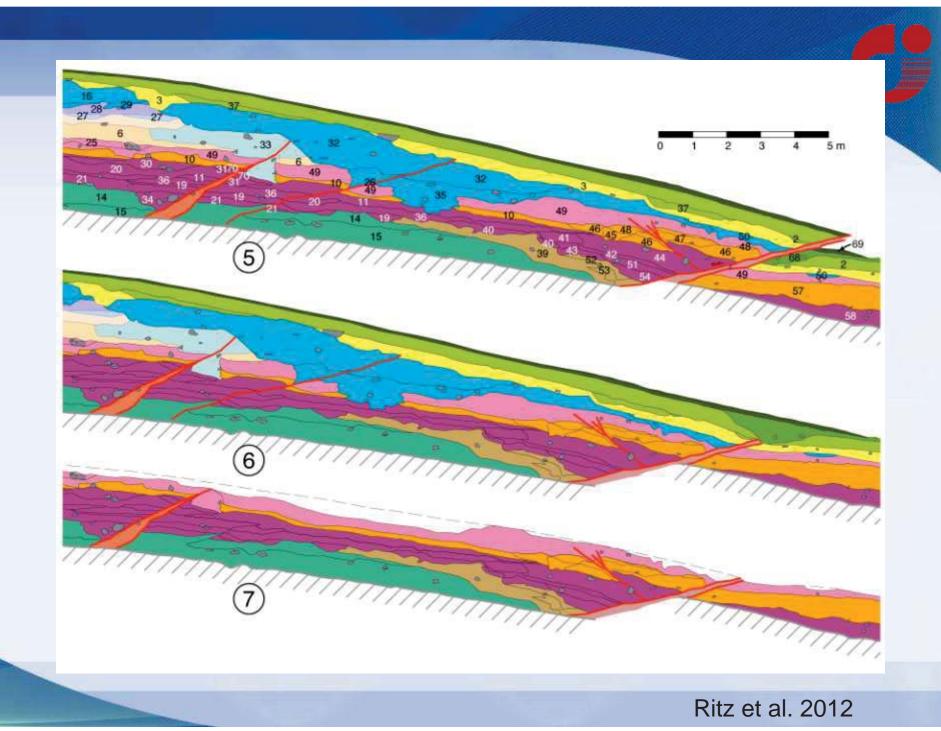


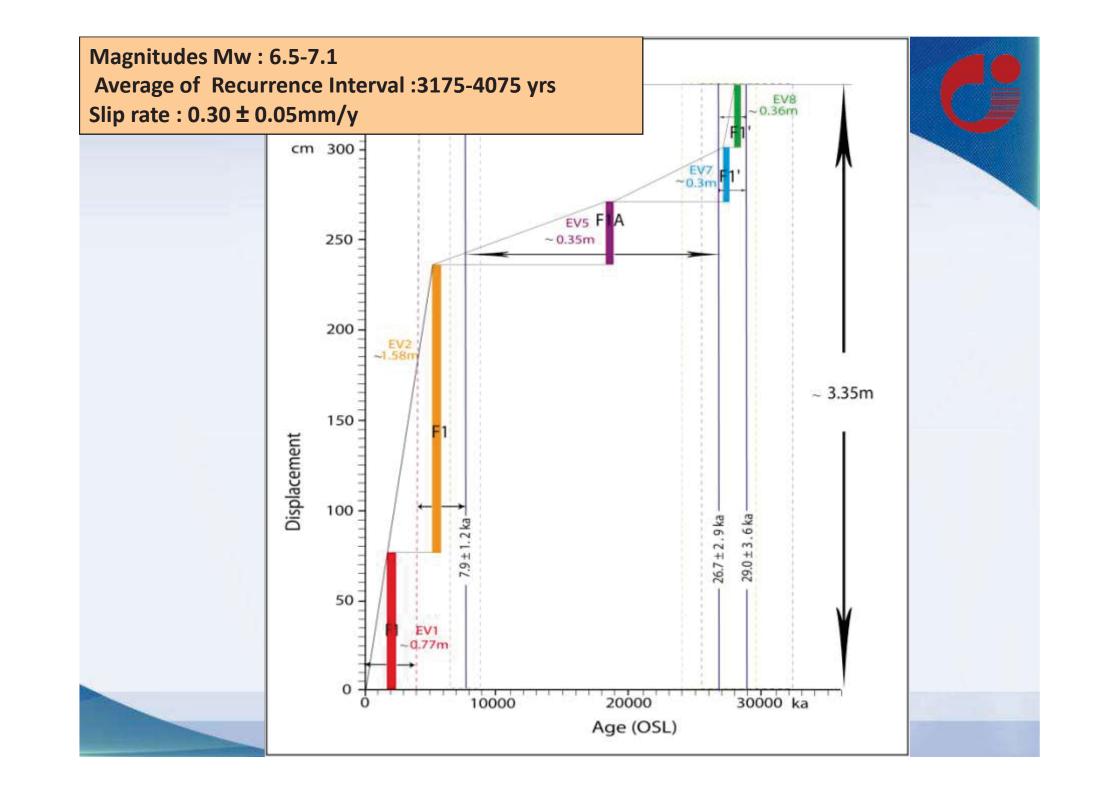






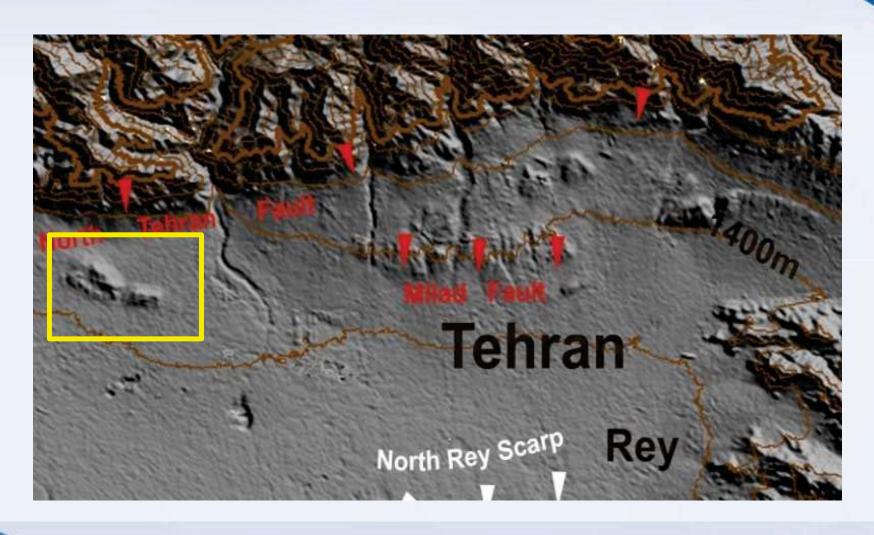


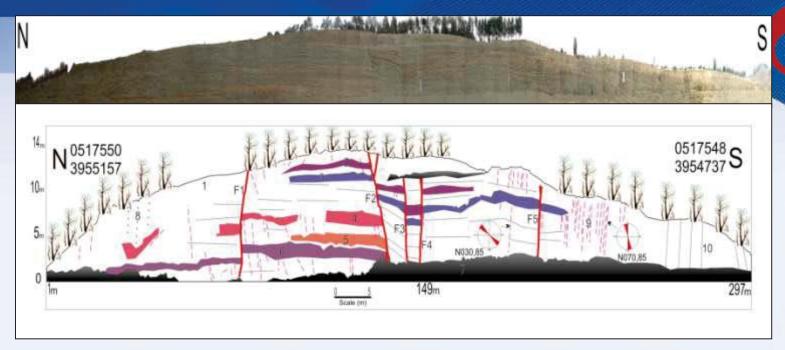


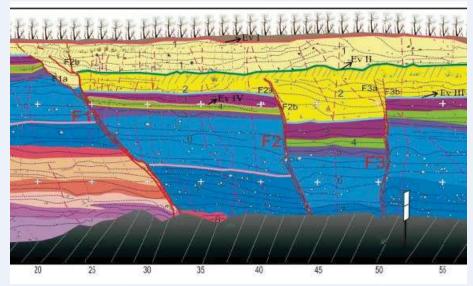




The Chitgar blind fault in Tehran





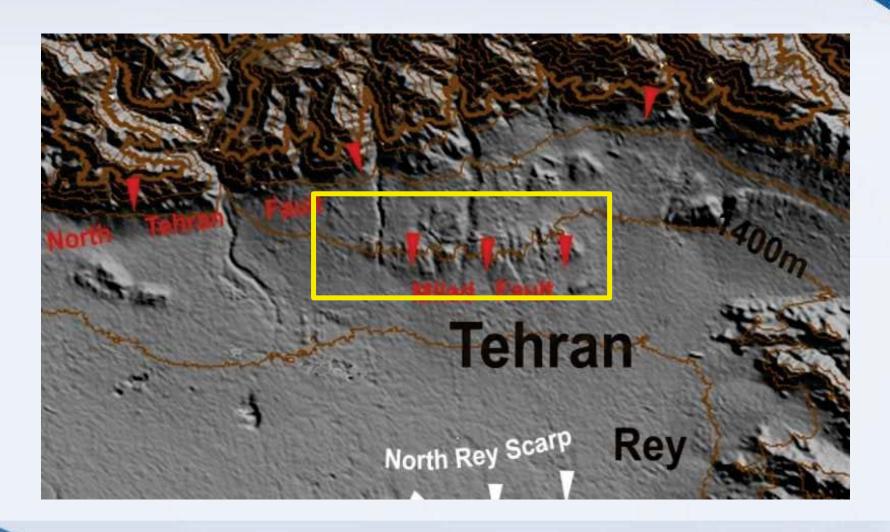




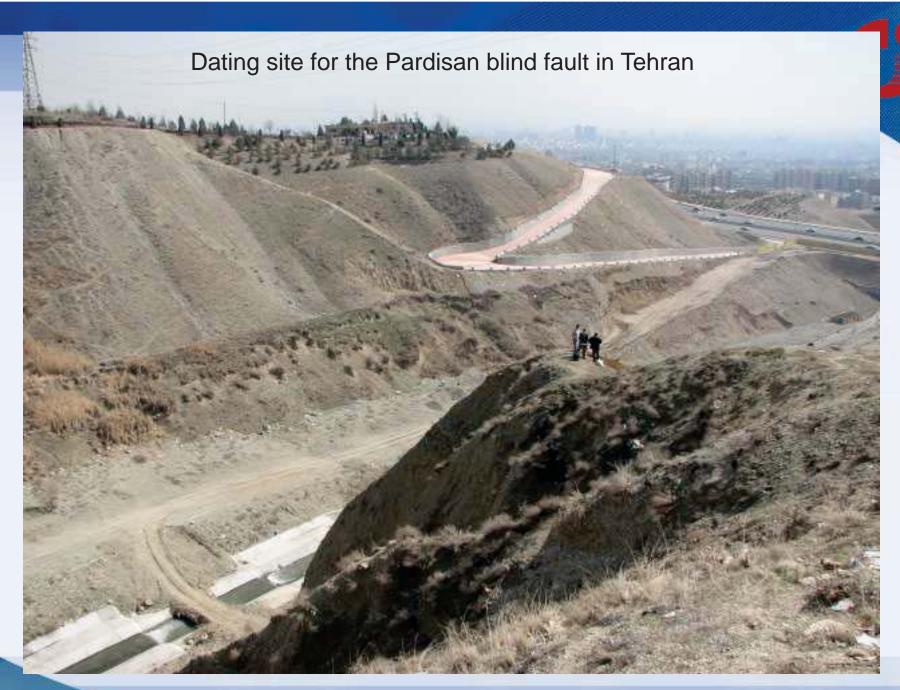
Kaveh et al., 2013



The Pardisan blind fault in Tehran

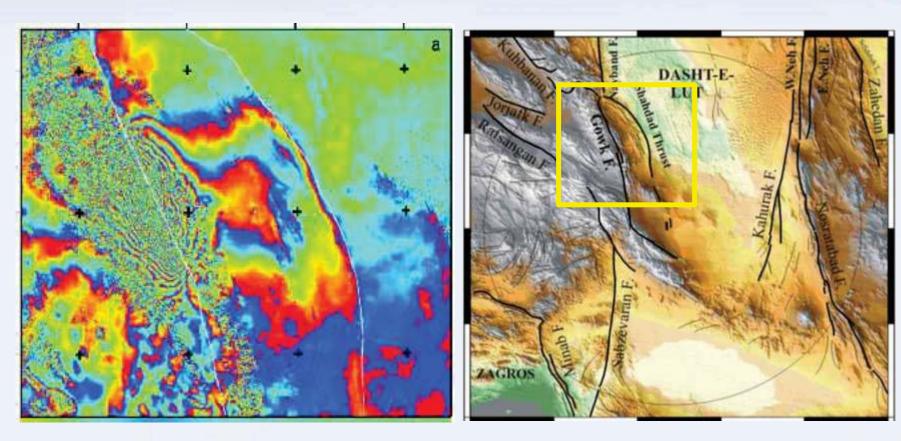






Talebian et al. In preparation





Berberian et al., (Golbaf)

Incision on the hanging wall of the the Sahdad thrust-Eastern Iran



