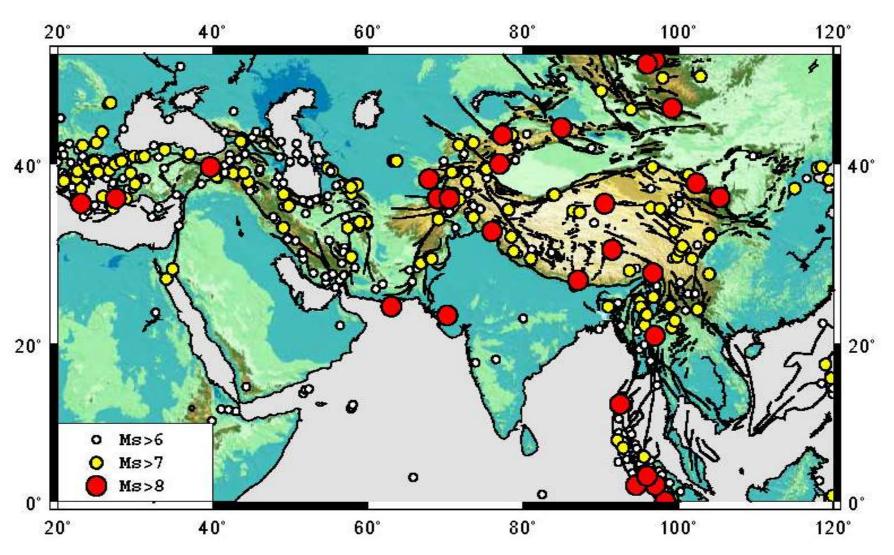


Seismological aspects and aftershock sequences of the November 12, 2017 Sarpol-e Zahab (Kermasnhah) Earthquake (Mw=7.3)

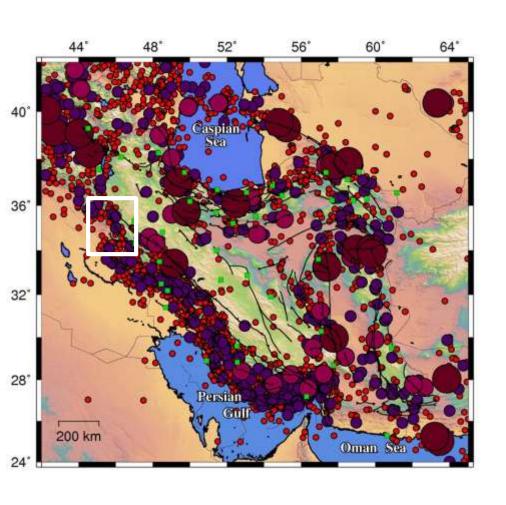
Mohammad Tatar, Farzam Yamini Fard Associate Professor of Seismology

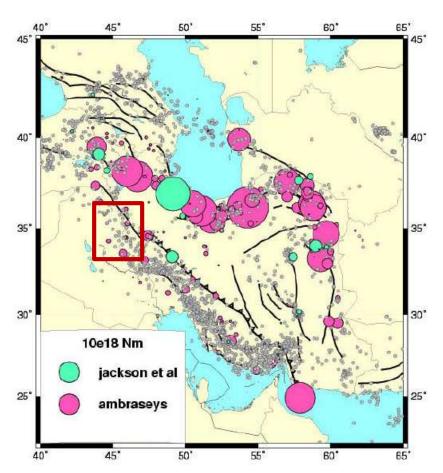
International Institute of Earthquake Engineering and Seismology IIEES, Tehran, 11 of December, 2017

Major earthquakes

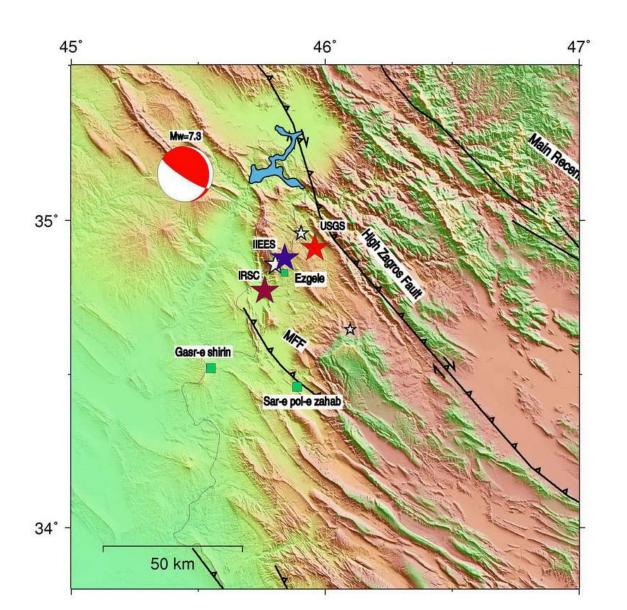


Seismicity and seismic energy

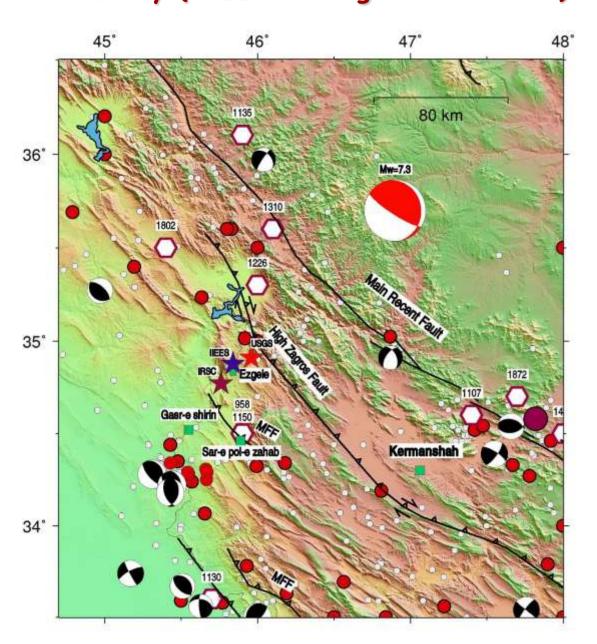




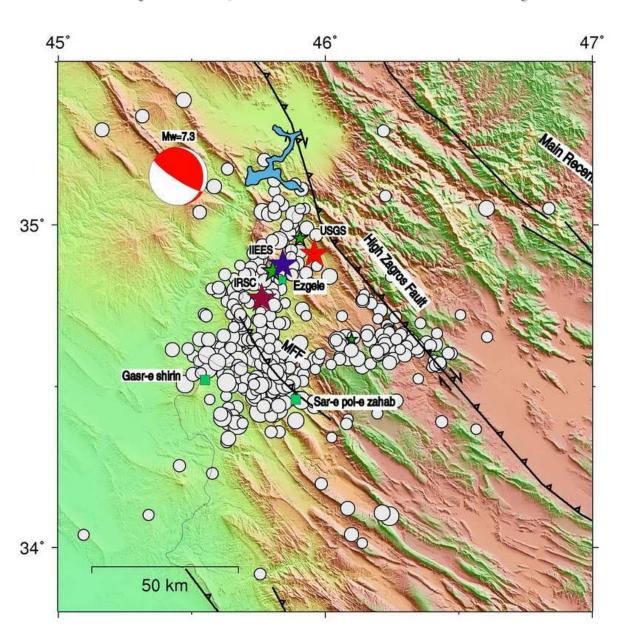
Foreshocks and Main shock



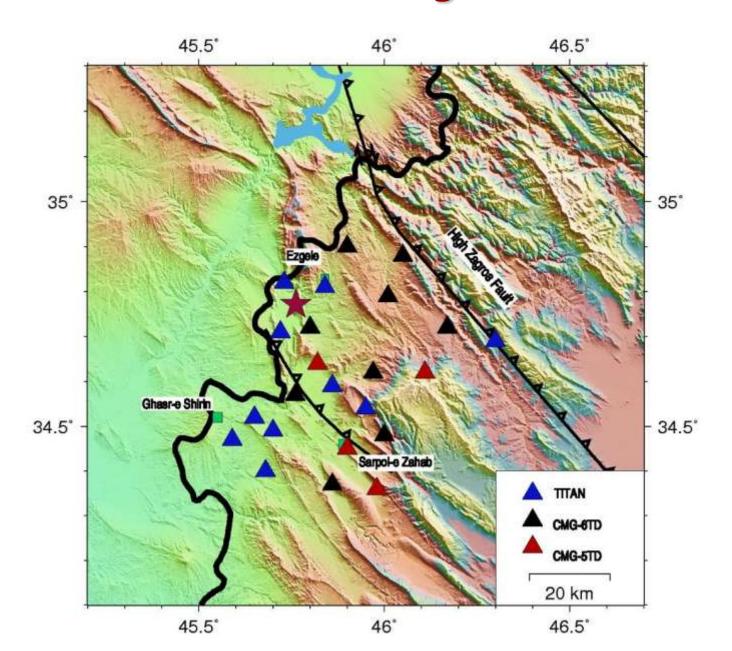
Historical (Ambraseys and Melville, 1982) and Instrumental Seismicity (IIEES catalogue 1900-2017)



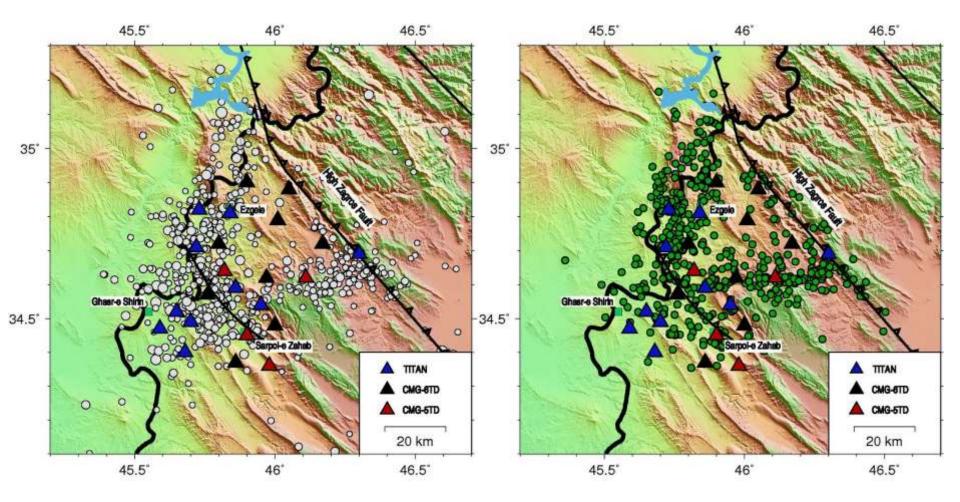
Main shock and aftershocks (IRSC, until 10/12/2017)



IIEES Local Seismological Network



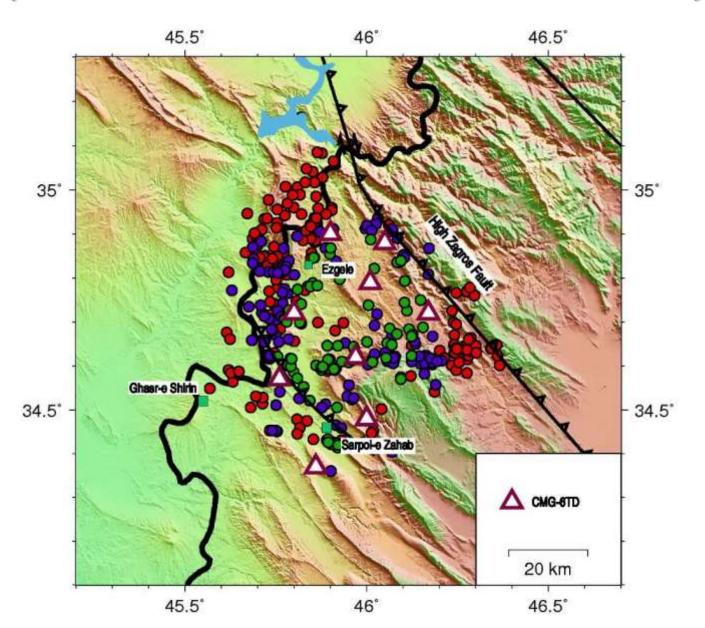
IIEES Local Seismological Network



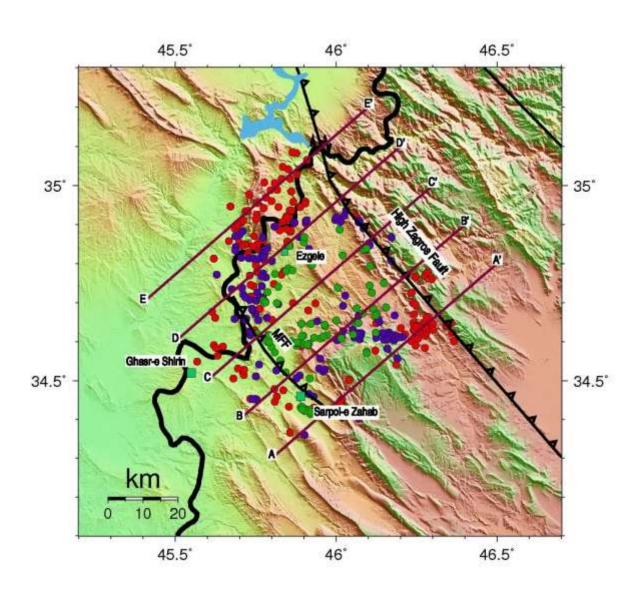
~620 recorded aftershock by IRSC during 3 weeks after the Main shock

~550 recorded aftershock by IIEES local Network in just 2 days after installation

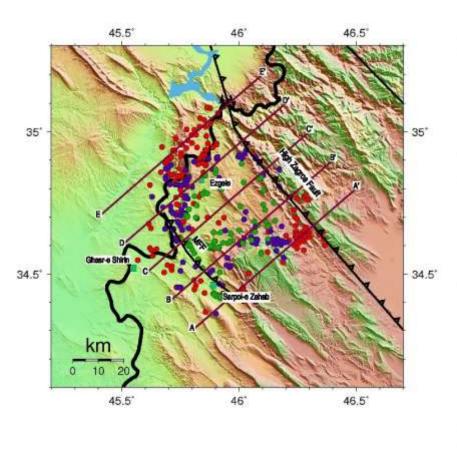
IIEES Local Seismological Network (Selected events located within the network)

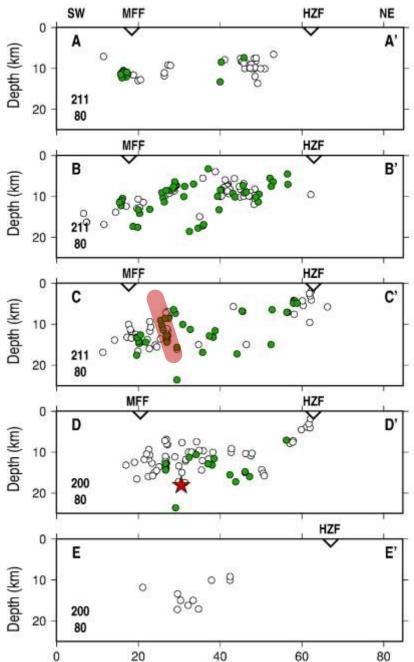


Cross sections

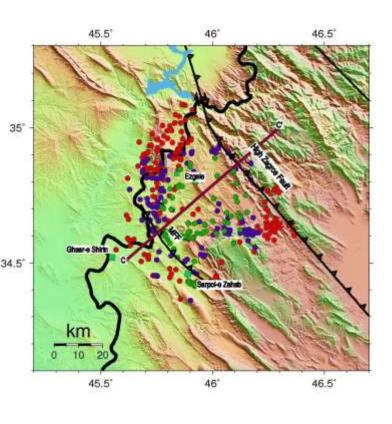


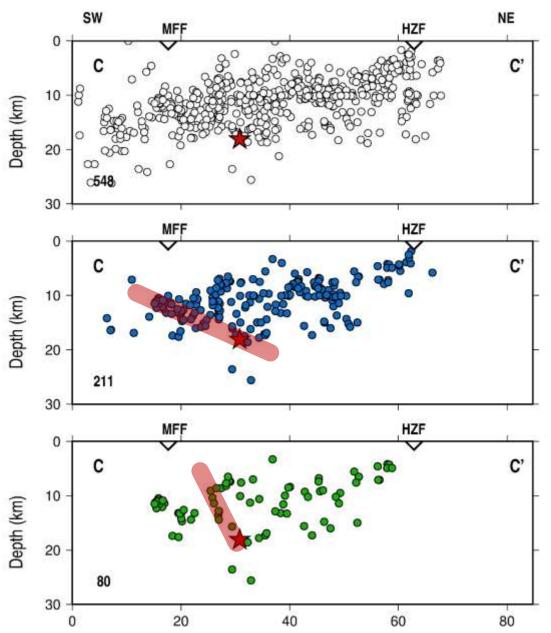
Cross section (10 km width)



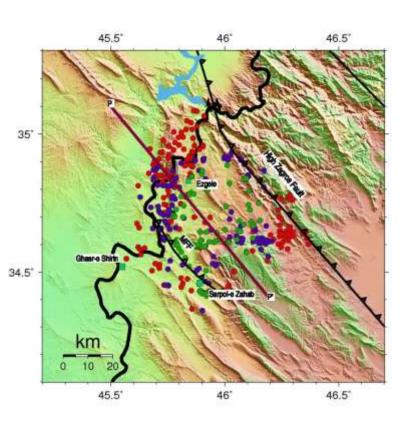


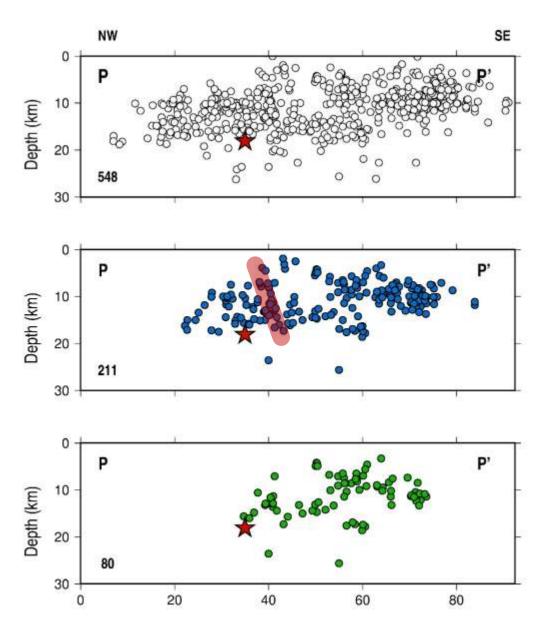
Cross section (50 km width)





Cross section (50 km width)





Summary

