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Crustal structure and buried paleo-sedimentary basins in the north-eastern Black Sea-Azov Sea area and tectonic implications (DOBRE-2 project)

DOBRE-2 was about the crustal structure of the northern margin of the eastern Black Sea basin, north across the Azov Sea onto the East European Craton and the deeper expression of sedimentary basins and what controls the geometry of their inversion, the processes forming syn-inversional basins and the role of inherited lithosphere (crustal) structure. The basin/crust/lithosphere geometry of the study area has been characterised across a range of scales using regional seismic reflection profiling, long-offset refraction/wide-angle reflection profiling and local earthquake tomography. I'll put the results in the context of the regional tectonic history of the area and in so doing make some speculations about basin formation and inversion.

