



## **Coseismic uplift along the coasts of the Northern Cyprus**

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Coseismic tectonic deformation along the coasts of Cyprus is important to understand seismic hazard in the Eastern Mediterranean Region. Since the island is situated at the boundary between African and Eurasian plates it may provide information about major tectonic events. The presence of uplifted wave-cut platforms at the northern and eastern coasts of the Cyprus is evidence of coseismic uplift. We focus on wave-cut platforms at six localities that preserve wave-cut platform morphology allow defining shoreline angle elevations with high-resolution (10cm) digital elevation models. We used Radiocarbon ( $^{14}\text{C}$ ) dating method to date coral fossils attached on the wave-cut platforms. Our primarily results indicate presence of wave-cut platform shoreline angles at 0.3 -0.6 m and 1.0-1.5 m above sea level. We believe that these levels are associated with coseismic events associated with plate boundary. Our radiocarbon  $^{14}\text{C}$  results will help us to constrain timing of these events.