Boğaziçi Üniversitesi
Kandilli Rasathanesi ve Deprem Araştırma Enstitüsü
Deprem Mühendisliği Ana Bilim Dalı

28 Eylül 2025 (12:59)
M5,5 Simav-Kütahya Depremi

Kuvvetli Yer Hareketi Parametreleri
İlksel Değerlendirmeler

28.09.2025 (v1)
İstanbul

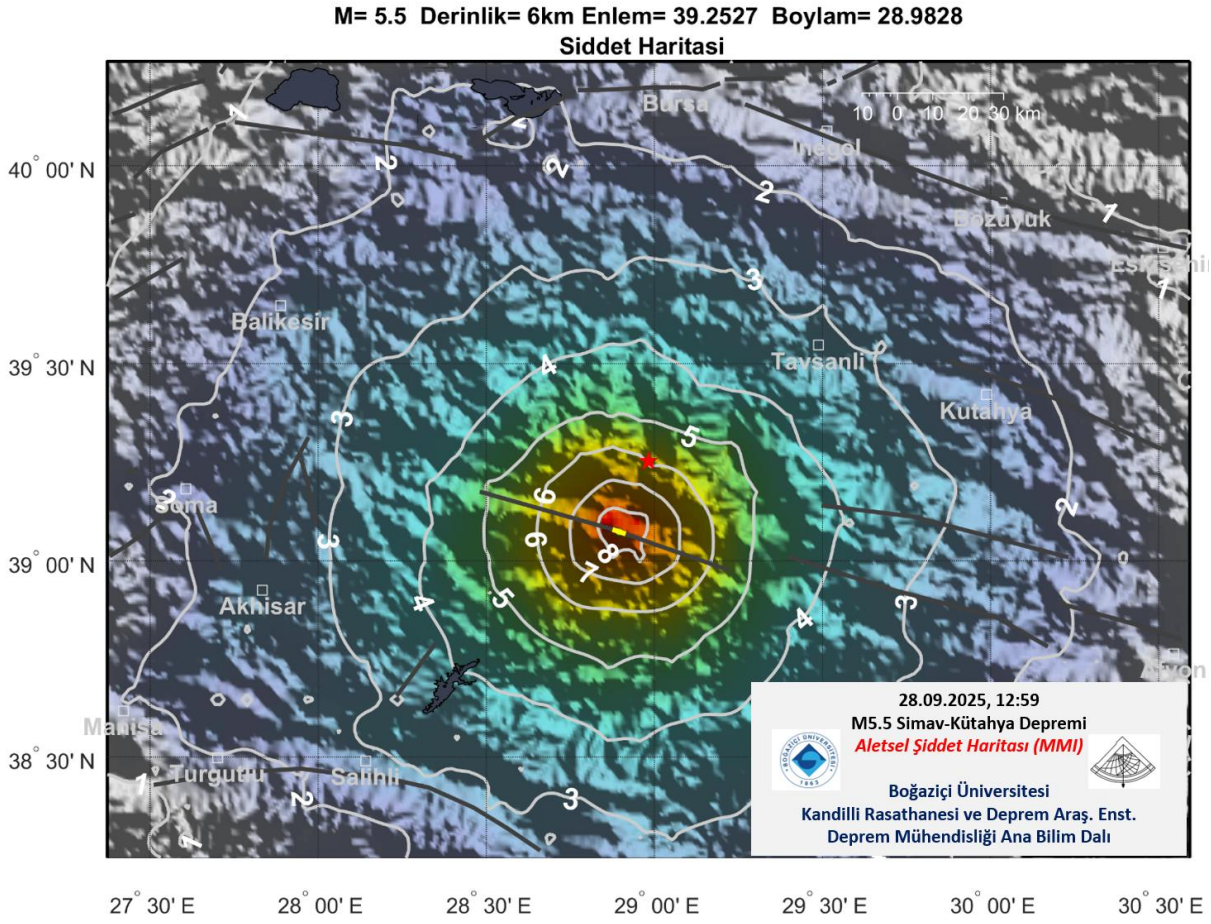
DEPREM BİLGİSİ

Büyüklük : M5,5

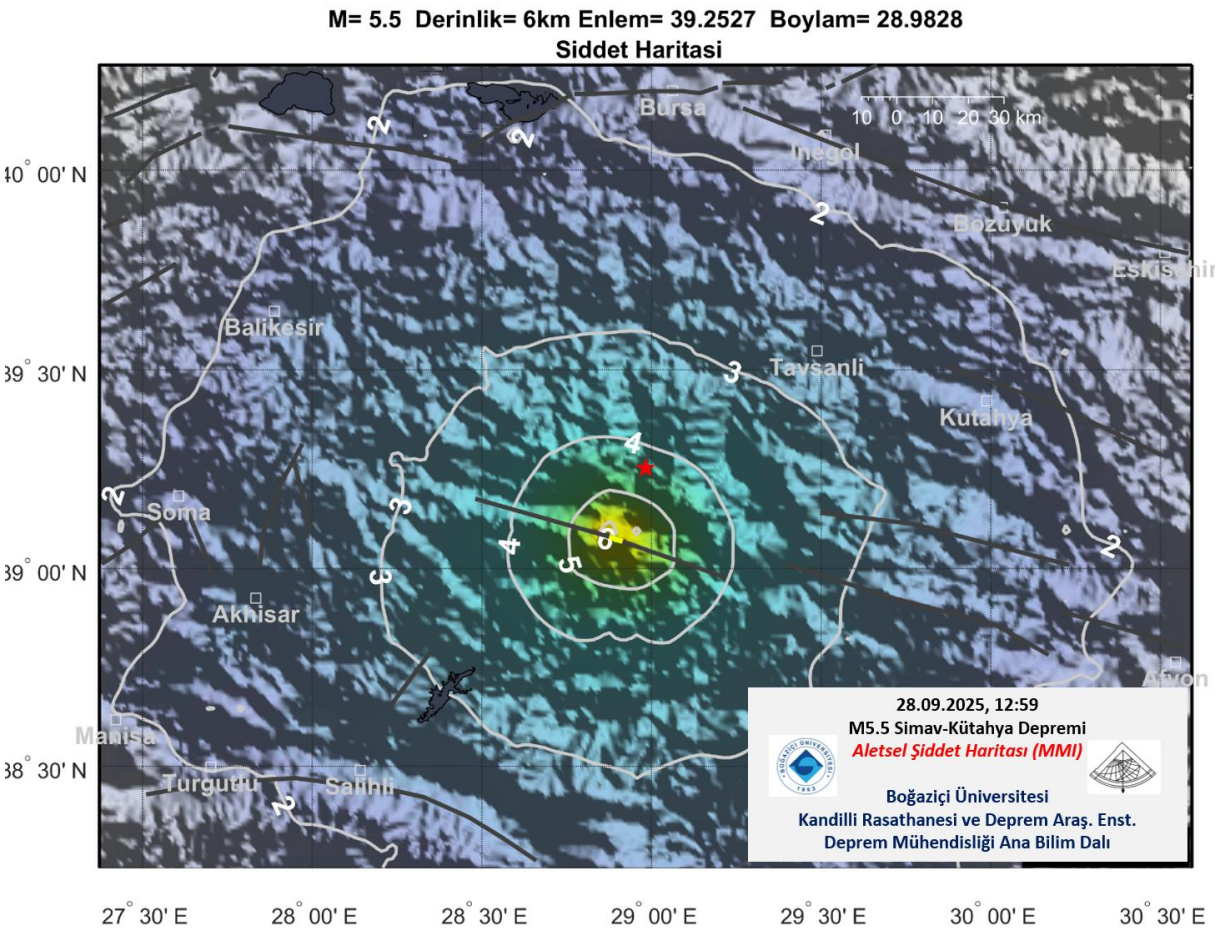
Merkez Üssü : 39,2527° K / 28,9828° D

Derinlik : 6,0 km

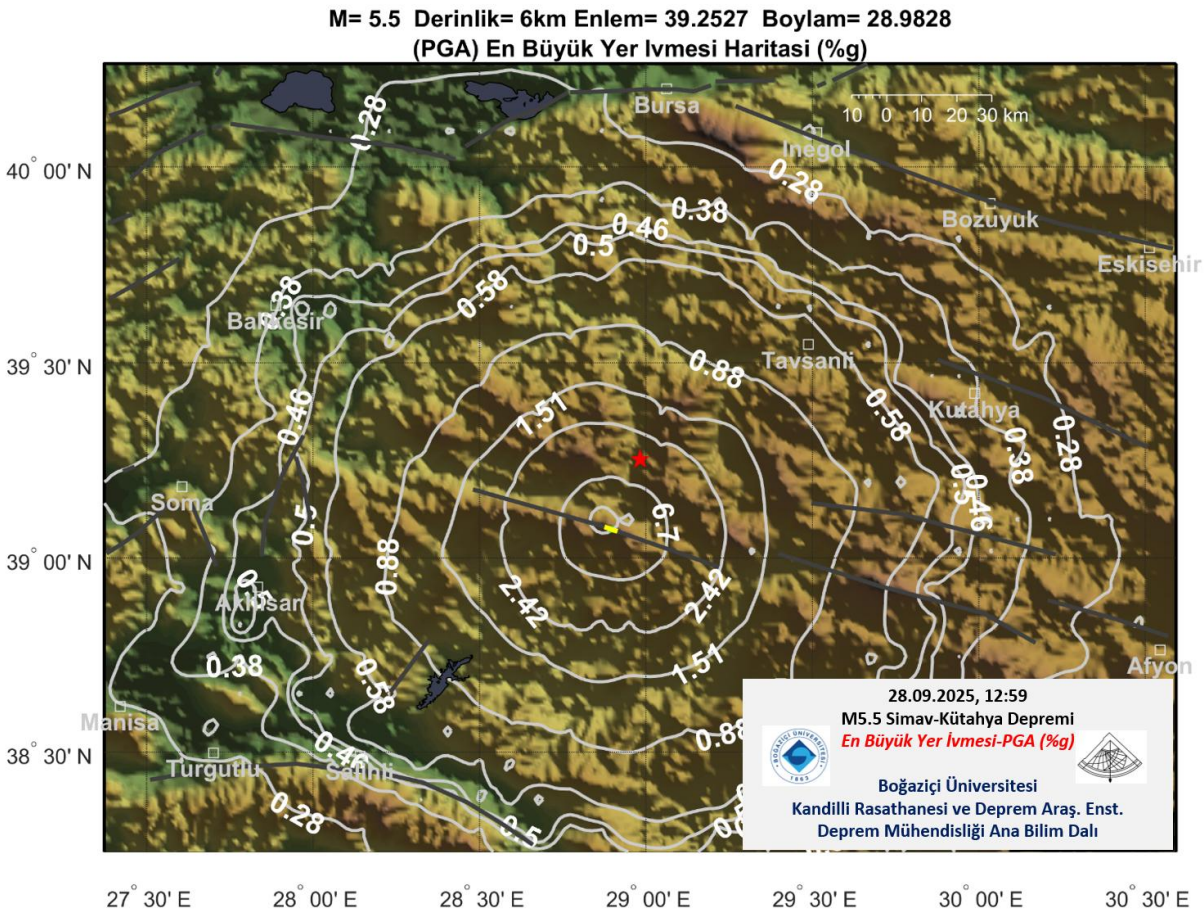
KUVVETLİ YER HAREKETİ COĞRAFİ DAĞILIMI



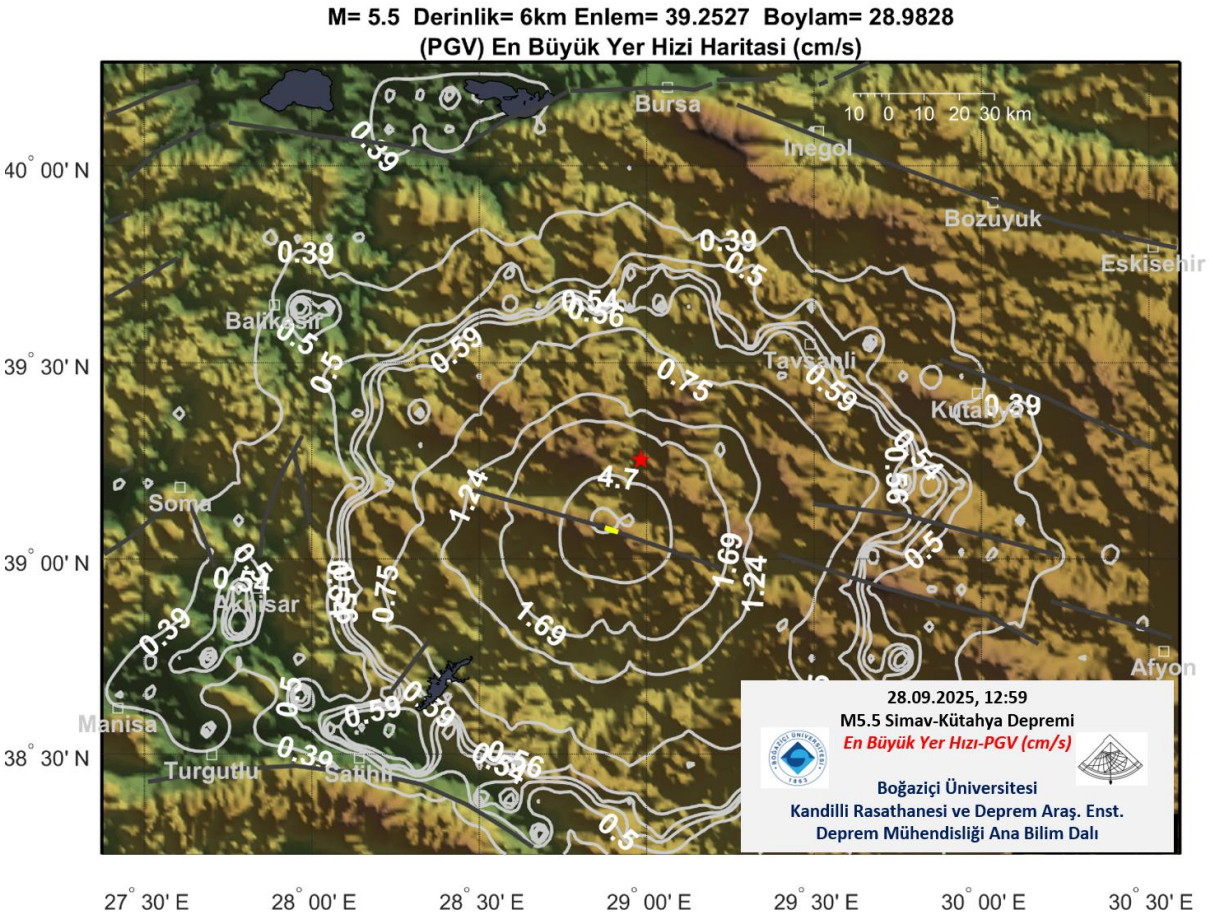
Şekil 1. Aletsel şiddet dağılımı-MMI (BA2014)



Şekil 2. Aletsel şiddet dağılımı-MMI (WQHK1999)



Şekil 3. En büyük yer ivmesi (PGA, %g cinsinden) dağılımı



Şekil 4. En büyük yer hızı (PGV, cm/s cinsinden) dağılımı

KAYNAKÇA

ELER: Earthquake Loss Estimation Routine, https://eqe.bogazici.edu.tr/tr/eler-metodolojisi-ve-yazilimi

Kuvvetli Yer Hareketi Tahmin Denklemi:
CY14: Chiou, Brian S.-J. et al. Update of the Chiou and Youngs NGA Model for the Average Horizontal Component of Peak Ground Motion and Response Spectra. Earthquake Spectra (2014),30(3): 1117.

Şiddet Tahmin Denklemi:
BA2014 - M. Bilal and A. Askan (2014). Relationships between Felt Intensity and Recorded Ground-Motion Parameters for Turkey,"Bulletin of the Seismological Society of America , 104(1).
WQHK1999 - Wald, D. J., V. Quitoriano, T. H. Heaton, H. Kanamori (1999). Relationship between Peak Ground Acceleration, Peak Ground Velocity, and Modified Mercalli Intensity for Earthquakes in California, Earthquake Spectra, Vol. 15, No. 3, 557-564.