Supplementary data

Spatio-Temporal Analysis of PM2.5 Concentrations through Integration of Aerosol Optical Depth and Sentinel-5P Data Using Google Earth Engine

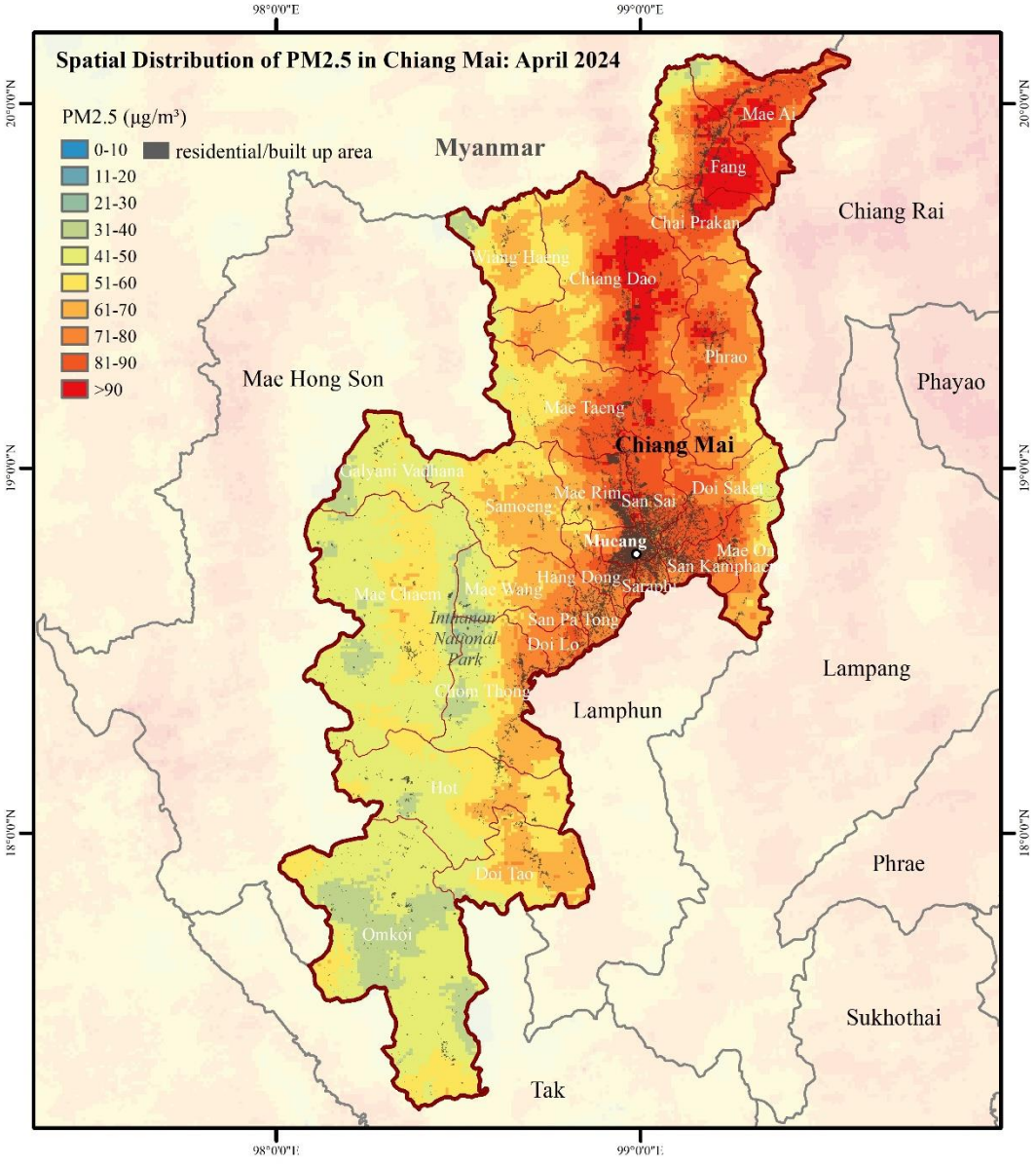


Figure S1. This satellite-derived PM2.5 map reveals intense air pollution concentrated in Chiang Mai's valleys during the April 2024 haze peak. The residential overlay highlights the severe exposure risk to local populations.

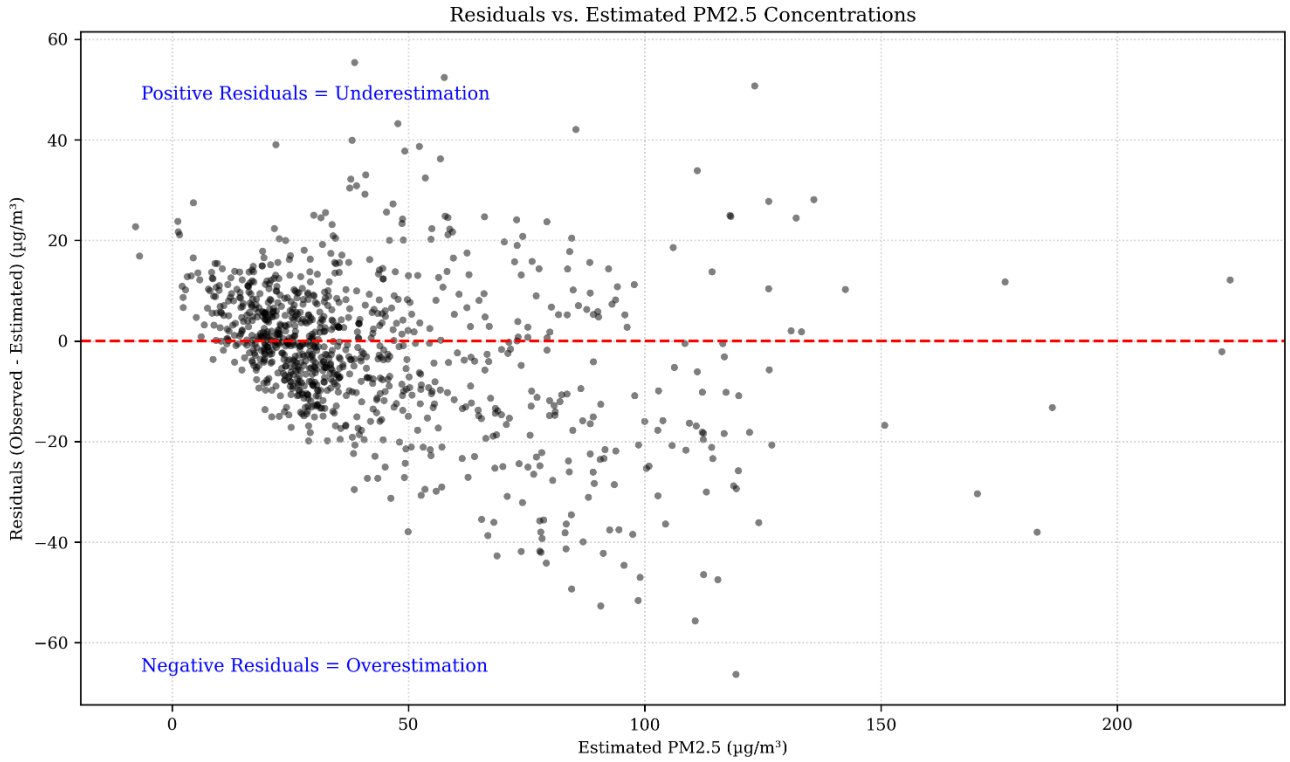


Figure S2. Residual analysis showing the distribution of prediction errors against estimated PM2.5 concentrations. The red dashed line indicates zero-error reference.