

## Supplementary Material SX

### Quaternary basin infill thickness

The data on the thickness of Quaternary sedimentary infill of the Upper and Middle Aterno Basin that we use as input for seismic response modeling is reported on a 30 per 30-meter resolution grid. The table contains three columns representing the Longitude, Latitude and thickness (in meters) data of each relative grid centroid. The data is reported in the UTM geographic position, zone 33S.