**Manuscript:** Historical trends in PM2.5 related premature mortality during 1990-2010 across the northern hemisphere

This manuscript has 6 figures:

Figure 1 shows the modeling domain and includes a map with the different analysis sub-regions. Shapefiles to be used with ArcGIS for re-creating this figure is included.

The file named “EHP\_data\_summary” is and Excel file and includes the data used in creation of Figures 2-6.

Note that these data files are a result of extensive data processing of many terra-bytes of model output from the hemispheric WRF-CMAQ model. The manuscript includes details on how this analysis was conducted, and other data-sets incorporated.